

U. S. Department of Commerce  
*Sinclair Weeks, Secretary*

Bureau of the Census  
*Robert W. Burgess, Director*

U. S. Department of Agriculture  
*Ezra Taft Benson, Secretary*

Agricultural Research Service  
*Byron T. Shaw, Administrator*

# United States Census of Agriculture: 1954

Volume III

Part 6

## IRRIGATION IN HUMID AREAS

A Cooperative Report

**SOURCE OF WATER • METHOD OF APPLICATION •  
NUMBER OF PUMPS • ACRES IRRIGATED •  
FREQUENCY OF APPLICATION • COST**



BUREAU OF THE CENSUS  
Robert W. Burgess, *Director*

AGRICULTURE DIVISION  
Ray Hurley, *Chief*  
Warder B. Jenkins, *Assistant Chief*

AGRICULTURAL RESEARCH SERVICE  
Byron T. Shaw, *Administrator*

FARM AND LAND MANAGEMENT RESEARCH  
Sherman E. Johnson, *Director*

PRODUCTION ECONOMICS RESEARCH BRANCH  
Carl P. Heisig, *Chief*

SOIL AND WATER CONSERVATION RESEARCH  
BRANCH  
Cecil H. Wadleigh, *Chief*

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## PREFACE

Volume III, Special Reports, comprises a group of special compilations that present final summaries and results for the 1954 Census of Agriculture. Part 6, Irrigation in Humid Areas, a cooperative report by the Bureau of the Census, U. S. Department of Commerce and the Production Economics Research Branch, Agricultural Research Service, U. S. Department of Agriculture, presents data obtained by a mail survey of operators of irrigated farms in 28 Eastern States on acres irrigated in 1954 and 1955; specified irrigation facilities, including pumps; source of water; source of power; method of applying water; largest acreage irrigated in any year; year irrigation began; number of times each crop was irrigated; and cost of irrigation systems.

The planning, compilation of statistics, and the preparation of this report were under the supervision of Ray Hurley, Chief of the Agriculture Division, Bureau of the Census, and Elco L. Greenshields, Production Economics Research Branch, Agricultural Research Service, U. S. Department of Agriculture. They were assisted by Robert L. Tontz and Marlowe M. Taylor, Production Economics Research Branch, Agricultural Research Service, U. S. Department of Agriculture, and Snider W. Skinner, Russell V. Oliver, William F. Kauffman, and Gladys L. Eagle, Bureau of the Census, U. S. Department of Commerce. Data for the graphs and State maps were compiled by the Production Economics Research Branch, Agricultural Research Service, and the maps and graphs were prepared under the supervision of Clarence E. Batschelet, Chief, Geography Division, Bureau of the Census.

December 1956

III

# UNITED STATES CENSUS OF AGRICULTURE: 1954

## REPORTS

**Volume I.—Counties and State Economic Areas.** Statistics for counties include number of farms, acreage, value, and farm operators; farms by color and tenure of operator; facilities and equipment; use of commercial fertilizer; farm labor; farm expenditures; livestock and livestock products; specified crops harvested; farms classified by type of farm and by economic class; and value of products sold by source.

Data for State economic areas include farms and farm characteristics by tenure of operator, by type of farm, and by economic class.

Volume I is published in 33 parts as follows:

Part	State or States	Part	State or States	Part	State or States
1	New England States: Maine. New Hampshire. Vermont. Massachusetts. Rhode Island. Connecticut.	8	West North Central: Minnesota.	21	East South Central—Continued Alabama.
2	Middle Atlantic States: New York. New Jersey. Pennsylvania.	9	Iowa.	22	Mississippi.
3	East North Central: Ohio.	10	Missouri.	23	West South Central: Arkansas.
4	Indiana.	11	North Dakota and South Dakota.	24	Louisiana.
5	Illinois.	12	Nebraska.	25	Oklahoma.
6	Michigan.	13	Kansas.	26	Texas.
7	Wisconsin.	14	South Atlantic: Delaware and Maryland.	27	Mountain: Montana.
		15	Virginia and West Virginia.	28	Idaho.
		16	North Carolina and South Carolina.	29	Wyoming and Colorado.
		17	Georgia.	30	New Mexico and Arizona.
		18	Florida.	31	Utah and Nevada.
		19	East South Central: Kentucky.	32	Pacific: Washington and Oregon.
		20	Tennessee.	33	California.

**Volume II.—General Report.** Statistics by Subjects, United States Census of Agriculture, 1954. Summary data and analyses of the data for States, for Geographic Divisions, and for the United States by subjects as illustrated by the chapter titles listed below:

Chapter	Title	Chapter	Title
I	Farms and Land in Farms.	VII	Field Crops and Vegetables.
II	Age, Residence, Years on Farm, Work Off Farm.	VIII	Fruits and Nuts, Horticultural Specialties, Forest Products.
III	Farm Facilities, Farm Equipment.	IX	Value of Farm Products.
IV	Farm Labor, Use of Fertilizer, Farm Expenditures, and Cash Rent.	X	Color, Race, and Tenure of Farm Operator.
V	Size of Farm.	XI	Economic Class of Farm.
VI	Livestock and Livestock Products.	XII	Type of Farm.

### Volume III.—Special Reports

**Part 1.—Multiple-unit Operations.** This report will be similar to Part 2 of Volume V of the reports for the 1950 Census of Agriculture. It will present statistics for approximately 900 counties and State economic areas in 12 Southern States and Missouri for the number and characteristics of multiple-unit operations and farms in multiple units.

**Part 2.—Ranking Agricultural Counties.** This special report will present statistics for selected items of inventory and agricultural production for the leading counties in the United States.

**Part 3.—Alaska, Hawaii, Puerto Rico, District of Columbia, and U. S. Possessions.** These areas were not included in the 1954 Census of Agriculture. The available current data from various Government sources will be compiled and published in this report.

**Part 4.—Agriculture, 1954, a Graphic Summary.** This report will present graphically some of the significant facts regarding agriculture and agricultural production as revealed by the 1954 Census of Agriculture.

**Part 5.—Farm-mortgage Debt.** This will be a cooperative study by the Agricultural Research Service of the U. S. Department of Agriculture and the Bureau of the Census. It will present, by States, data based on the 1954 Census of Agriculture and a special mail survey to be conducted in January 1956, on the number of mortgaged farms, the amount of mortgage debt, and the amount of debt held by principal lending agencies.

**Part 6.—Irrigation in Humid Areas.** This cooperative report by the Agricultural Research Service of the U. S. Department of Agriculture and the Bureau of the Census will present data obtained by a mail survey of operators of irrigated farms in 28 States on the source of water, method of applying water, number of pumps used, acres of crops irrigated in 1954 and 1955, the number of times each crop was irrigated, and the cost of irrigation equipment and the irrigation system.

**Part 7.—Popular Report of the 1954 Census of Agriculture.** This report is planned to be a general, easy-to-read publication for the general public on the status and broad characteristics of United States agriculture. It will seek to delineate such aspects of agriculture as the geographic distribution and differences by size of farm for such items as farm acreage, principal crops, and important kinds of livestock, farm facilities, farm equipment, use of fertilizer, soil conservation practices, farm tenure, and farm income.

**Part 8.—Size of Operation by Type of Farm.** This will be a cooperative special report to be prepared in cooperation with the Agricultural Research Service of the U. S. Department of Agriculture. This report will contain data for 119 economic sub-regions, (essentially general type-of-farming areas) showing the general characteristics for each type of farm by economic class. It will provide data for a current analysis of the differences that exist among groups of farms of the same type. It will furnish statistical basis for a realistic examination of production of such commodities as wheat, cotton, and dairy products in connection with actual or proposed governmental policies and programs.

# INTRODUCTION

(v)

# IRRIGATION IN HUMID AREAS

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# INTRODUCTION

History of the Census of Irrigation.--Inquiries relating to irrigation have been included in each decennial Census of Agriculture since 1890. A special Census pertaining to irrigation in 32 States and territories was taken in 1902. The 1902 Census included 11 arid States and territories, 6 semiarid States and territories, 8 humid States and 6 rice-growing States, plus the Hawaiian Islands. Beginning in 1910, a special Census of Irrigation has been taken in the United States for States and territories in which irrigation was most extensively practiced. The States included in the Irrigation Census in 1910, 1920, and 1930 were the 17 Western States and Arkansas and Louisiana. Florida was included in 1940 and 1950. In the mid-decennial Censuses of Agriculture in 1935, 1945, and 1954, inquiries were included relating to the acreage irrigated in all States.

The special survey of irrigation in 1955 for which data are presented in this report covers the 28 Eastern States which are not included in the regular decennial Censuses of Irrigation.

Legal basis for this special report.--Authorization for the 1955 Survey of Irrigation in Humid Areas is covered by Act of Congress (Title 13, U. S. Code) approved August 31, 1954, which includes provisions for the mid-decade Censuses of Agriculture. This report was prepared cooperatively by the Production Economics Research Branch, Agricultural Research Service, United States Department of Agriculture, and the Bureau of the Census, United States Department of Commerce.

## DEFINITIONS AND EXPLANATIONS

Farms reporting.--Farms reporting represent the number of farms for which the particular item was reported. For purposes of tabulation, the questionnaires obtained in the special survey were divided into two groups. The first group comprised all farms for which usable questionnaires were obtained in the special survey. These farms totaled 14,541 for the 28 States. The data given in Tables 3, 5, 7, 9, 11, and 14 relate to these 14,541 farms. The second group of farms comprised those for which the cost of the irrigation system was represented. These farms totaled 6,414. The data given in Tables 4, 6, 8, 10, 12, 13, and 15 relate to these farms only.

In the case of 196 questionnaires, the data obtained for this special survey cover more than one Census farm as the special survey questionnaire was filled out by the landlord of a multiple-unit landholding. The number of multiple-unit operators from whom special questionnaires covering more than one Census farm were obtained are as follows:

Connecticut .....	1
Missouri .....	2
Virginia .....	9
North Carolina .....	86
South Carolina .....	18
Georgia .....	20
Kentucky .....	15
Tennessee .....	21
Mississippi .....	24
Total .....	196

Land irrigated.--Generally, land irrigated represents land to which irrigation water was applied. Data are presented for three categories of irrigated land as follows:

- (1) Largest acreage irrigated in any one year
- (2) Acreage irrigated in 1954
- (3) Acreage irrigated in 1955

The data on the largest acreage irrigated in any year were obtained by asking each farm operator to list the largest acreage irrigated. The number of acres irrigated in 1954 and 1955 were obtained by adding the acreages for the various crops reported as irrigated in each of these years. Thus, the acreage irrigated for 1954 and 1955 may be greater than the total acreage of land to which water was applied, as account was not taken of the duplicate counting of acreage on which two different crops were harvested during the same year. For example, if 4 acres of lettuce were irrigated in 1954 and later the same land was planted to string beans which were irrigated, the total acreage of land irrigated for 1954 would be 8 acres. This procedure resulted in some overstatement of the acreage of land actually irrigated. In comparing the acreage reported as irrigated in 1954 as shown by the special survey with the Census of Agriculture, this overstatement needs to be taken into account.

Questionnaire used.--A questionnaire, designated Form A16, "Survey of Irrigation in Humid Areas 1955," was used. (A facsimile of the questionnaire appears on page XLVI.)

The number of questions in the questionnaire was necessarily limited to key items relating to irrigation in humid areas. Additional information about variation in humid areas had been requested by several interested groups, but a pretest of a more extensive questionnaire in 6 selected countywide areas indicated that satisfactory data could not be obtained by mail for many items relating to the operation of irrigation systems.

The enumeration.--The questionnaires were mailed in December 1955, to each farm operator in the 28 Eastern States who reported irrigated acreage in the 1954 Census of Agriculture, except those who irrigated cranberry bogs and a small number for whom complete addresses were not available. Generally, all the data were collected by mail. However, enumerators obtained by personal visit questionnaires for those farm operators with 100 acres or more of irrigated land in 1954 who did not submit a report by mail. Data in Table 1 indicated the completeness of the coverage by the special survey of farms reporting land irrigated in the 1954 Census of Agriculture.

Cost of irrigation systems.--The questionnaire for the survey specified that the cost of irrigation systems was to be reported only in case irrigation began in 1946 or later. Therefore, the data given on cost of irrigation systems relate only to farms on which irrigation began in 1946 or later. The total number of farms whose operators reported the year in which irrigation was begun as 1946 or later was 9,494. However, only 6,414 of these farms reported complete data on irrigation costs and only these farms were included in the tabulations for farms whose operators reported the cost of irrigation systems. The inquiries regarding cost of irrigation equipment, cost of land leveling and ditching, cost of construction of reservoirs and dams for storing water and for drilling wells for irrigation purposes, relate to the original cost without allowance for depreciation or change in price level.

Irrigation facilities.--Farm irrigation in the humid areas generally requires the use of pumps, some kind of power, and sprinkler equipment. However, a few farmers who used gravity flow from lakes, streams, and artesian wells, require very little equipment. Also, users of city water usually do not require pumps and power plants for operating their sprinkler systems. The questionnaire did not provide for reporting the number of storage facilities, such as dams and reservoirs, for irrigation water. Also, no provision was made for obtaining the size of the constructed storage facilities. These constructed storage facilities vary greatly in size as well as in cost.

Source of water.--The questionnaire provided for indicating the following sources of water used for irrigation:

- Wells
- Natural streams or rivers
- Natural lakes or ponds
- Springs, seepage, farm run-off (not streams)
- City, town, or community water supply
- Irrigation or drainage district or company
- Other

Some farm operators reported more than one source of water. In making the tabulations, provision was made only for the tabulation of data for the three most important sources for each farm. The questionnaire did not list constructed ponds or reservoirs as sources of water. However, many farm operators indicated ponds or reservoirs as sources on the questionnaire. Unless some other source was indicated, constructed ponds and reservoirs were classified as springs in regard to the source of water.

The classification "streams only" used in the statistical tables refers to natural streams and rivers. "Lakes only" refers to natural lakes and ponds. The classification given in the statistical table for springs actually includes springs, seepage, and farm run-off (not streams).

In Tables 3 and 4, farms reporting combinations of various sources of water are listed in the same order that water sources are listed on the questionnaire and data for farms whose operators reported several sources are included only once in the totals. For example, farms whose operators reported wells and streams as the source of water are included in the grouping of wells, and designated wells and streams. Data for these farms are not included again under streams.

Generally, most farms obtained irrigation water from a single source and the significant data in most of the tables may be analyzed by examining the figures for the important sources of water without considering the data for the several groups of farms obtaining water from more than one source.

Source of power.--The questionnaire provided for reporting three sources of power as follows:

- Tractor
- Electric motor
- Other motors or engines

"Other motors or engines" includes internal combustion engines of all types except tractors.

Method of applying water.--Six methods of applying water were listed on the questionnaire as follows:

- Portable pipe and sprinkler
- Fixed overhead irrigation
- Portable gated pipe
- Ditches and furrows
- Flooding
- Other

More than one method of applying water was reported by many farmers. The tabulation procedure provided for the summarizing of data for two methods of applying water for each farm. When more than two methods were reported for a farm, the data were summarized for the two most important methods only.

Other methods include applying water with tank trucks, garden or other type of hose, underground pipe, and pumping water by a contractor.

Year irrigation began.--The question on this item was intended to obtain the year irrigation began on the farm and not by the 1955 operator of the farm. A farm may have been operated by several persons since irrigation began.

Legality of water use.--In general, answers to the question on legality of rights to the water used for irrigation were not restricted to cases of actual legal action. They also included oral threats of legal action.

In a number of cases, users of city water reported that legality of their use of water had been challenged. This usually meant that restrictions were placed only on the day or time of watering or the amount of water used. These cases were not considered as challenges to the right to use water.

## PRESENTATION OF STATISTICS

Organization of tables.--Data obtained in the 1955 Survey of Irrigation in Humid Areas are presented in 8 summary tables and in 16 tables giving data for individual States. Both summary and State tables that give data by States contain data for farms reporting, acres irrigated, and specified irrigation facilities, classified according to such items as source of water, source of power, and cost of irrigation systems.

The data in Summary Tables I to VIII relate only to the 6,414 farms for which the cost of the irrigation system was completely reported.

Extent of irrigation according to 1955 survey.--A total of 14,541 usable questionnaires was received in the 1955 special survey. For 1954, the survey reported 545,671 acres as irrigated. This acreage exceeded that for 1955 by 12 percent. The largest acreage irrigated in any year was 646,247 acres, or 18 percent more than the 1954 irrigated acreage. This largest acreage probably represents the minimum potential area that could be irrigated in any one year by the farms reporting irrigation in 1954.

The 1955 survey as compared with the 1954 Census of Agriculture.--A comparison of farms reporting and number of acres irrigated as shown by the 1955 Survey of Irrigation and the 1954 Census of Agriculture, is presented in Table 1. The information on acreage obtained from the 1955 survey equaled 93 percent of the total acreage reported by the 1954 Census of Agriculture. For individual States, the acreage of irrigated land reported by the survey as compared with the 1954 Census ranged from 39 percent for Maine to more than 110 percent for Indiana. The method of obtaining the number of acres irrigated for the special survey by adding the number of acres of crops and pasture irrigated resulted in some overstatement of the actual area irrigated because of the counting more than once of the acreage on which more than one irrigated crop was harvested in 1954.

In using the 1955 survey data, two significant qualifications of the data need to be considered. First, the acreage irrigated in the humid area varies appreciably from year to year because of variation in rainfall and, second, the acreage irrigated has increased rapidly during recent years. These two facts make the data from the 1955 survey less representative of the current situation than would otherwise be the case.

Precipitation in 1954-1955.--Data on precipitation by months during the growing seasons of 1954 and 1955 are presented in Table 2 and a series of maps on pages XLII to XLVI. Although these data do not fully indicate the need for moisture by crops as the data relate to entire States and to specific months, they do indicate roughly the relative need for irrigation in 1954 and 1955. In the summer growing months in the humid States, rainfall is quite variable. Crops and pastures frequently suffer from lack of rainfall during crucial growing periods. The data presented in Table 2 and the accompanying maps show the variation of rainfall from normal for 1954 and 1955. In general, precipitation during the 1954 growing season was much less than during the corresponding period of 1955. June of 1954 was especially dry; rainfall was 50 percent below normal in 9 of the 31 States as shown on the precipitation maps. During July 1954, generally improved rainfall conditions prevailed, but in August and September of 1954, rainfall was below normal throughout much of the humid area.

In 1955, rainfall in the New England States, except in Connecticut, was less adequate than during the preceding year. As a result, the 1955 irrigated acreage exceeded the acreage irrigated in 1954 except in Rhode Island.

Farms and acreage irrigated.--In the 28 Eastern States, most farmers irrigated relatively small acreages. Thirty-eight percent irrigated less than 10 acres per farm, and a little more than 18 percent irrigated from 10 to 19 acres. One-third of all farmers reporting irrigated between 20 to 99 acres. Relatively few farmers reported 100 or more acres irrigated. However, more than 80 percent of the total irrigated acreage was on farms reporting 30 or more acres irrigated.

Some indication of the total acreage that farmers are equipped to irrigate is shown by the largest acreage irrigated in any one year. The total of the largest acreage irrigated on each farm for any year since irrigation was undertaken was 646,247 acres for the 28 States. This total exceeds the acreage irrigated in 1954 by 18 percent and the 1955 irrigated acreage by 33 percent. An appreciable expansion of irrigated acreage could take place in the humid area on the farms now irrigating.

In appraising changes in irrigation in humid areas, allowance must be made for yearly variations. Irrigation in humid areas, unlike that in arid regions, can be expected to vary considerably from year to year as a result of variations in rainfall.

The acreage irrigated in each State ranged from less than 1,000 acres to more than 150,000 acres. The three leading States were Mississippi, with 151,772 acres, followed by New York and New Jersey, each with more than 60,000 acres.

Year farmers began irrigation.--The data indicate a rapid rate of adoption of irrigation farming during recent years. More farmers reported beginning irrigation in 1954 than in any other year during the period 1946-1955. For the 28 States, 29 percent of the 14,541 farms reporting indicated that irrigation was started in 1954. Of the 546,000 acres irrigated in the 28 States during 1954, approximately 134,000 acres were in farms on which irrigation was started during 1954. North Carolina, with 789 farms, had a larger number of farms reporting that irrigation began in 1954 than any other of the 28 States.

Data given in State tables under column headings 1955 or later as the date of beginning irrigation do not indicate the extent of new irrigation in 1955. The data are only for those farms whose operators reported irrigation in 1954 and no information was obtained for farms whose operators started irrigation in 1955 or for farms whose operators did not report irrigation in 1954. The small amount of irrigation shown for farms starting irrigation in 1955 or later is the result of a few reports that were received from farm operators who obtained questionnaires from neighbors or for whom reports were obtained by enumerators.

Source of water.--Water for more than 40 percent of all farms reporting and approximately 37 percent of the irrigated acreage in 1954 was obtained directly from streams (natural streams or rivers). Wells were the second most important source of irrigation water; they were reported by 19 percent of the farms. Springs, seepage, and surface run-off (not streams) were reported by 18 percent. Farms using wells accounted for nearly 24 percent of the irrigated acreage for 1954. Farms using spring, seepage, and farm run-off (not streams) accounted for less than 9 percent of the 1954 irrigated acreage. Farms whose operators reported combinations of various sources of water represented only 13 percent of all farms, but reported a little more than 25 percent of the acreage irrigated in 1954.

About 90 percent of the farms whose operators reported the source of water as springs, seepage, and farm run-off had reservoirs for water storage. Farmers who used other sources of irrigation water reported reservoirs or dams infrequently.

Farms for which streams were reported as sources of water were widely distributed throughout all of the 28 States. Very few farmers reported that wells were used for irrigation in the New England States. The number of farmers reporting wells outnumbered those reporting streams (natural streams or rivers) as a source in 1954 in New York, Iowa, New Jersey, Indiana, Illinois, and Minnesota. The use of city or municipal sources of irrigation water was concentrated around large centers of population in New York, New Jersey, Massachusetts, and Ohio. These four States accounted for nearly 64 percent of the farmers reporting city, town, or community water supply as the source of irrigation water.

Constructed reservoirs for storing irrigation water.--Forty-two percent of all farms reported reservoirs and dams used for storing water. It is likely that as more and more farmers use irrigation, streams and similar sources will become more fully utilized. As a result, farmers will undoubtedly rely to an increasing extent on the use of their own constructed storage facilities.

Operators of about a third of the farms with small, and approximately one-half of the farms with large irrigation enterprises reported water-storage facilities. In general, size of irrigation enterprise, except for extremely small and large units, had little effect on whether water-storage facilities had been constructed.

Source of power for pumping.--Most farmers in the humid area reported "other motors or engines" (internal combustion engines of all types except tractors) as the source of power for pumping irrigation water. Sixty-four percent of all farmers listed "other motors or engines" as the source of power. By States, the proportion reporting this source of power ranged from 34 percent of all farmers in Mississippi to 92 percent in Delaware.

Electric motors and tractors were of about equal importance as sources of power for pumping. These two sources, however, were of relatively minor importance in terms of farms reporting. Only 12 percent of the farmers reported using electric motors as the source of power; and 11 percent reported tractors. Combinations of tractors, electric motors, and other motors or engines as a source of power were used on 7 percent of the farms.

Method of applying water.--Sprinklers (including portable pipe) represented the chief method of applying irrigation water in the humid area. Over 78 percent of the 14,541 farms for which irrigation was reported indicated that this method was used for applying water.

Sprinklers are well adapted to irrigation in humid areas. They can be used without extensive land leveling or ditch systems. Portable sprinklers can be easily moved from one field to another as needed in different years or at different times during the growing season.

Other methods for applying water, less frequently used than sprinklers, included fixed overhead pipe, ditches, flooding, and portable gated pipe.

In some States, methods other than sprinklers were more commonly used. In Mississippi, where rice is the most important irrigated crop, ditches and flooding were used extensively. In this State, ditches and flooding, including combinations with other methods, were reported on 47 percent

of the 909 farms for which irrigation was reported. Fixed overhead pipe was another method used in localized areas. This method of application was used primarily for nursery and flower crops.

Pumps used for irrigation.--Operators of a total of 13,662 farms, or 94 percent of all farms, reported the use of pumps in 1955. The widespread use of pumps indicates that only a small number of operators of irrigated farms rely on gravity flow, artesian wells, or city water supply. A total of 17,588 pumps was reported for the 13,662 farms in the humid area. For 29 percent of the farms, more than one pump was reported per farm.

In some instances, farmers who reported use of sprinkler irrigation systems required no pumps as their irrigation was done on a rental or contractual basis. No data are available, however, as to the extent of this practice.

Cost of irrigation systems.--The data on the cost of the irrigation systems were compiled for farms on which irrigation began in 1946 or later (see definitions and explanations). Average cost per farm was determined by dividing the total cost of irrigation systems by the number of farms reporting.

The average cost per acre given in the tables presenting data by States was computed by dividing the total cost of irrigation systems by the acreage irrigated in 1954. The 1954 acreage irrigated was used as the best available measure for computing per-acre costs, as the acreage irrigated in 1955 was smaller than the 1954 acreage because of heavier rainfall and the "largest acreage irrigated in any year" did not always relate to the equipment in use at the time of the survey. Although this procedure provides a comparison of various groups of farms, it does not furnish typical per-acre costs for individual farms. For example, the cost of leveling and ditching is shown in the tables as \$3.36 per acre for the 28 States. Actually, the leveling and ditching costs for the 693 farms whose operators reported leveling and ditching would be many times this amount.

The total cost reported for irrigation systems in the 28 States for (1) irrigation equipment, (2) leveling and ditching, and (3) constructing reservoirs and drilling wells was \$35.5 million. The major cost item in the irrigation systems was the cost of irrigation equipment, which totaled \$27.5 million and represented 78 percent of the total cost of irrigation systems. The cost of constructing reservoirs and drilling wells, which was reported for 61 percent of the farms, was second in importance and totaled \$7.2 million. It represented 20 percent of the total cost of irrigation systems. Costs of leveling and ditching were reported by only 11 percent of farms whose operators reported costs. On many of the farms, the rolling terrain and shallow surface soils preclude land leveling and use of ditches unless the ditches are on the contour. The total of \$0.8 million reported as the cost of leveling and ditching was only 2 percent of the total cost of irrigation systems in the 28 States.

The cost of irrigation systems averaged \$5,542 per farm and \$145 per acre. The per farm cost of irrigation equipment alone was \$4,305. Constructing reservoirs and drilling wells cost an average of \$1,859 per farm. Leveling and ditching costs averaged \$1,193 per farm for the farms reporting this cost.

The classification of farms by total cost per farm shows a wide range in total cost per farm. Almost two-thirds of the 6,414 farms reporting costs show a total cost of less than \$5,000 per farm. A total cost of \$50,000 or more was reported for a few farms.

Cost by acreage irrigated.--The tabulation of data for farms classified by the largest acreage irrigated shows that total cost of the irrigation system per farm increases as the irrigated acreage increases. Operators of farms with irrigated areas ranging in size from 1 to 9 acres reported an average cost of \$1,960 per farm. On the other hand, the average cost per farm was \$18,133 for farms in the 200 to 499 acre size group.

Ninety percent of the farmers who irrigated 1 to 9 acres reported a total cost of irrigation systems of less than \$4,000 per farm. Seventy-six percent of the farmers with 20 to 29 acres irrigated had costs per farm of \$1,000 to \$5,999. Approximately 50 percent of those with 100 to 199 acres irrigated had a total cost of \$10,000 and over, while 70 percent of those with 200 or more acres had a total cost of \$10,000 and over.

In general, farms with the larger irrigation systems had lower per acre costs regardless of source of water or method of applying water. Costs for farmers who used streams as a source were lower and varied less by size of irrigated acreage, largely because the lower cost of developing this water source.

Most farmers reporting springs required the use of a dam or reservoir and had costs somewhat similar to farms reporting wells. For farms with sprinklers and streams or lakes as a source of water, the average cost per largest acreage irrigated was \$116. Cost ranged from \$48 per acre for farms irrigating 500 to 999 acres to \$415 for farms irrigating less than 10 acres.

Although 44 percent of the irrigated farms had less than 20 acres under irrigation, only 20 percent of the total cost of the irrigation systems was reported by these farms.

Costs of leveling and ditching were more significant on farms irrigating large acreages than on those with small acreages. Operators of farms with 500 to 999 acres irrigated reported that 27 percent of the total costs went for leveling and ditching.

The average per acre cost of irrigation systems for farms with 1 to 9 acres irrigated was \$482. The cost per acre for farms with more than 1,000 acres irrigated per farm was \$56 per acre. Costs were approximately the same per acre for farms with 200 to 499 acres irrigated as for farms with 500 to 999 acres irrigated. Costs per acre of irrigation for the 200 to 499 acre group was \$81 and costs per acre for the 500 to 999 acre group was almost the same. The difference in cost per acre for farms with 1 to 9 acres irrigated and farms with 10 to 19 acres irrigated was \$160. As the irrigated acreage per farm increased the cost per acre decreased. For example, the cost per acre for farms of 10 to 19 acres irrigated was \$322 as compared with \$237 for farms with 20 to 29 acres.

Cost by source of water.--The average cost of irrigation systems per farm for operators who irrigated from wells was approximately \$8,000. This was a higher average per farm cost than for farms obtaining water from any other source. Farmers who reported springs had an average cost of \$5,031 per farm; those with streams, a cost of \$4,679 per farm; and those with lakes, a cost of \$3,933 per farm. The lowest cost per farm was \$1,544 for farms with small acreages irrigated from municipal water supplies.

Nearly all the costs of irrigation systems for farms using natural lakes and city water supply as water sources were accounted for by the cost of irrigation equipment. For farms with other sources--streams, wells, and springs or surface run-off, three-fourths of the total cost was made up by the cost of irrigation equipment and one-fourth by the cost of reservoirs and wells.

The recent rapid expansion of irrigation in the humid areas in most instances utilized readily accessible supplies of water. More than half of all farmers reporting costs relied on streams and lakes as sources of water. Farmers reporting the larger total costs for irrigation systems, particularly those with \$15,000 and over, depended less on streams and lakes than farmers having a total cost of less than \$15,000.

A larger percentage of the large irrigation enterprises use wells as a source of water than do the smaller farms. Although only 10 percent of the operators of all farms reported wells; 25 percent of all those with a cost of more than \$15,000 for the irrigation system reported wells as the source of water.

Total costs of irrigation systems per acre according to different sources of irrigation water varied only between \$129 to \$138 except when springs, seepage, or surface run-off were used. Since water storage reservoirs are required to collect spring and run-off water, average per acre costs of \$249 were higher for farms with this source of water.

**Cost by use of storage facilities.**—Operators of about 50 percent of all farms reported the use of constructed irrigation storage. Seventy-six percent of those reporting costs of irrigation systems under \$1,000 had no constructed storage. Operators of 62 percent of farms with a total cost of irrigation systems of \$1,000 to \$1,999 reported no constructed storage, while 55 percent of those with a total cost of \$2,000 to \$2,999 reported no constructed storage.

A larger percentage of the operators of farms with a cost of irrigation systems of more than \$3,000, reported constructed storage facilities than farms with a smaller cost. Fifty percent of the farms with costs of \$3,000 to \$3,999 had constructed storage. Constructed storage was reported for 73 percent of the farms with irrigation system costs of \$50,000 and over.

Operators of farms in the 28 States for which constructed storage facilities were reported indicated an average per acre cost of irrigation systems of \$184 as compared with \$109 per acre for farms with no constructed storage.

**Cost by source of power.**—The total cost of irrigation systems on farms using motors and engines (internal combustion engines other than tractors) as the source of power was \$25.7 million out of a total cost of \$35.5 million for all farms. The cost per farm for those depending on motors or engines other than electric motors was \$5,500.

The cost of irrigation systems for farms using tractor to power irrigation pumps averaged \$3,640 per farm, or 34 percent less than the average for farms reporting other motors or engines as the source of power. This lower cost per farm was due in large part to the exclusion of all tractor costs from the costs of the irrigation equipment except when the tractors were used only for pumping irrigation water. No attempt was made to obtain and to include the costs of general farm tractors in the cost of irrigation equipment. For farms using electricity as the source of power, the total cost of irrigation equipment per farm was slightly less than farms for which other motors or engines were reported.

Of farms for which other motors or engines as a source of power were indicated, 52 percent had costs of irrigation systems of less than \$4,000. Fifty-seven percent of the farms using electricity as the source of power reported the cost of the irrigation systems as less than \$4,000. Of the farms with tractors as a source of power, 64 percent reported the irrigation system cost as less than \$4,000.

Cost of irrigation systems per acre was \$102 for farms using electric motors and \$161 per acre for farms using other motors or engines. The differences in costs per acre between farms using electricity and farms with other motors or engines appears to be related more to the number of acres irrigated than to the source of power.

**Cost by method of applying water.**—Costs per acre of irrigated land for the different methods of applying water ranged from \$38 for flooding in combination with other methods to \$577 for fixed overhead pipe. These per-acre costs varied not only because of method of applying irrigation water, but also because of the source of water, acreage irrigated, etc.

The average cost for farms with sprinklers was \$166 per acre. Farms with combinations of sprinklers with other methods had a range in costs from \$67 per acre for those using sprinklers and ditches to \$289 for those with sprinklers and overhead pipe. The average cost for farms with sprinkler systems was \$526 per

acre in Maine (average size of enterprise was only about 10 acres) and \$89 in Missouri.

Of the operators of 132 farms who reported ditches as the method of applying water, fifty-seven percent reported total costs under \$1,000. Another 20 percent had costs of \$1,000 to \$1,999. Thirty-four percent of the 101 farms for which flooding in combination with other methods was reported has costs under \$1,000 per farm for the irrigation systems. Fifteen percent reported a cost of irrigation system of \$1,000 to \$1,999 per farm.

On the farms with sprinklers, nearly 80 percent of the total cost was represented by cost of equipment, about 20 percent by the cost of storage facilities and drilling of wells, and less than 1 percent by the cost of land leveling or ditching. For farms reporting a fixed overhead pipe system, the cost of equipment amounted to nearly 84 percent of the total cost. For farms with ditch irrigation systems, nearly 50 percent of the total cost was represented by the cost of irrigation equipment, 35 percent by storage facilities and drilling of wells, and 15 percent by leveling and ditching.

**Crops irrigated.**—For the 28 Eastern States, 543,647 acres of crops and pasture were reported as irrigated in 1954. Of this total acreage, approximately three-fifths was used for six crops: Rice, Irish potatoes, pasture, corn, cotton, and tobacco. The 12 major crops on the basis of acreage irrigated comprise 80 percent of the total irrigated acreage for the 28 Eastern States. In addition to the 6 crops listed above, these included hay, "other vegetables," (vegetables other than tomatoes, snap beans, and sweet corn), nursery and flower crops, tomatoes, snap beans, and sweet corn.

The distribution of irrigated acreage by crops in 1955 corresponds closely to that in 1954. In 1955, the six major crops equaled 56 percent of all land irrigated, and the 12 most important crops represented, 75 percent.

More acres of rice than of any other crop were irrigated in 1954. Most of this rice was produced in Mississippi. Missouri ranked second in the acreage of rice irrigated, but it had less than 9 percent of the total irrigated acreage for the 28 States.

Almost two-fifths of the irrigated acreage of Irish potatoes in 1954 was in New York. Ten other States—New Jersey, Wisconsin, Michigan, Ohio, Minnesota, Pennsylvania, Delaware, Indiana, Connecticut, and Virginia—each reported more than 1,000 acres of Irish potatoes irrigated and the 11 States accounted for 95 percent of the irrigated potato acreage.

The largest acreage of irrigated pasture, 8,373 acres, was reported for Mississippi. Thirteen States, 10 Southern and three Northern, had 92 percent of the irrigated pasture in the 28 States.

Irrigated corn was not concentrated in any particular State. Missouri, with 7,339 acres irrigated, reported the largest acreage. Thirteen States reported 1,000 acres or more of irrigated corn.

Eighty-seven percent of the irrigated cotton acreage was reported for Mississippi.

Approximately one-third of the irrigated tobacco acreage was in North Carolina. Eight States—North Carolina, Connecticut, Kentucky, Georgia, Massachusetts, Tennessee, Virginia, and South Carolina had 98 percent of the irrigated tobacco acreage for the 28 States.

New Jersey with 5,159 acres had the largest irrigated acreage of tomatoes.

The acreage used for cranberry production, all considered as irrigated land, was not included in the survey of irrigation in humid areas. For the 28 States included, the 1954 Census of Agriculture reported that 1,134 farmers harvested cran-

## XII

## IRRIGATION IN HUMID AREAS

berries from 22,598 acres of land. The figures, by States were as follows:

State	Farms reporting	Acres
28 States .....	1,134	22,598
Maine.....	8	11
New Hampshire .....	1	1
Massachusetts .....	817	12,889
Connecticut .....	4	36
New York .....	3	101
New Jersey .....	146	5,727
Wisconsin .....	150	3,798
Minnesota .....	5	35

The number of farms reporting and the acreage of cranberries harvested in 1955 was probably about the same as in 1954.

Number of times crops were irrigated.—Operators of approximately one-fourth of the farms reported irrigating two times; a fourth reported irrigating five or more times; 20 percent of the farms reported irrigating three times; 18 percent irrigated one time; and 12 percent irrigated four times.

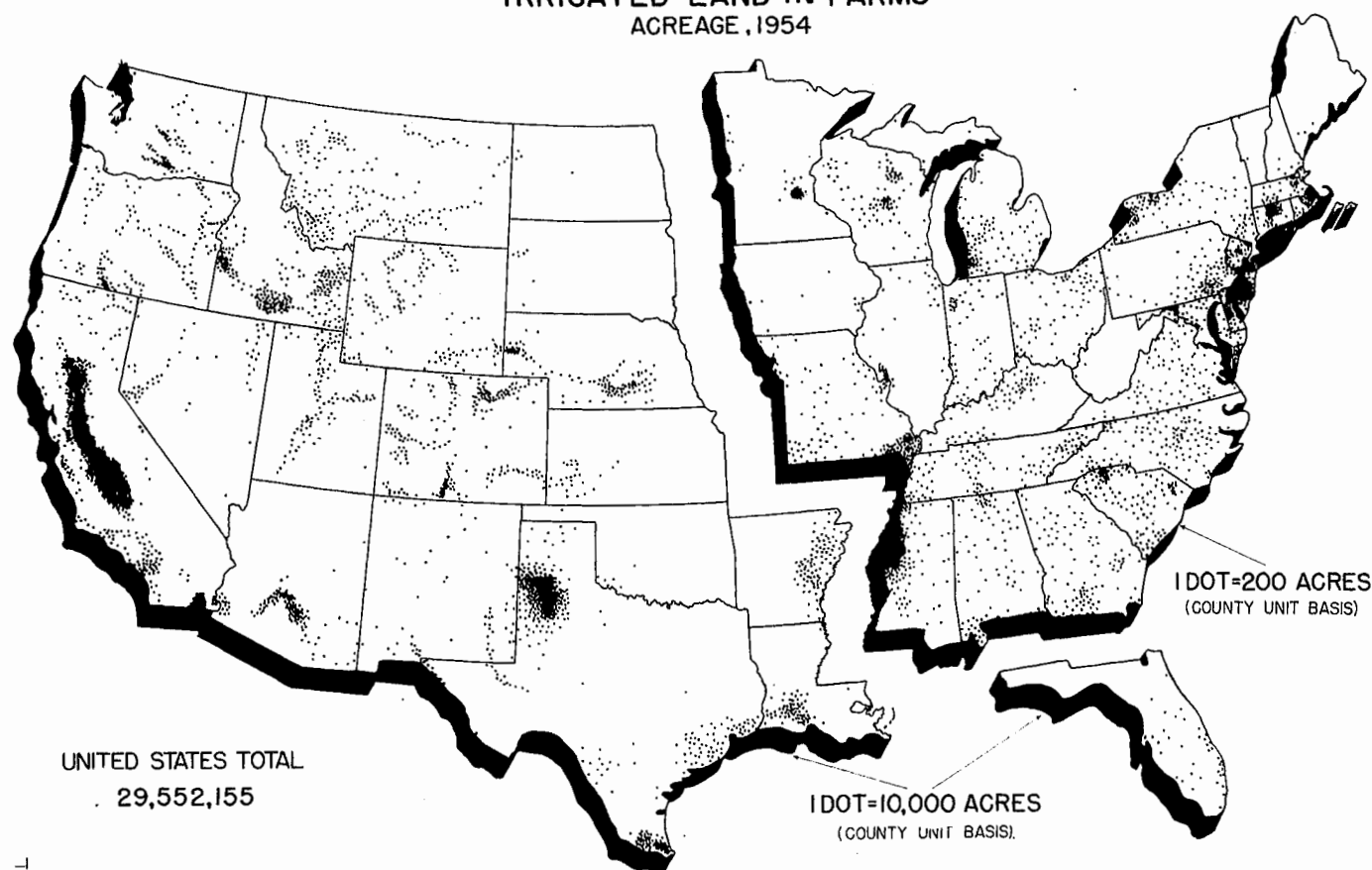
Not only the frequency and amount of rainfall, but also the length of growing season, soil type, and root system of crops irrigated influenced significantly the number of times water was applied.

Cotton and corn were irrigated fewer times in 1955 than hay, tobacco, pasture, Irish potatoes, nursery and flower crops. On nearly 80 percent of the farms cotton and corn were irrigated only one or two times during 1955.

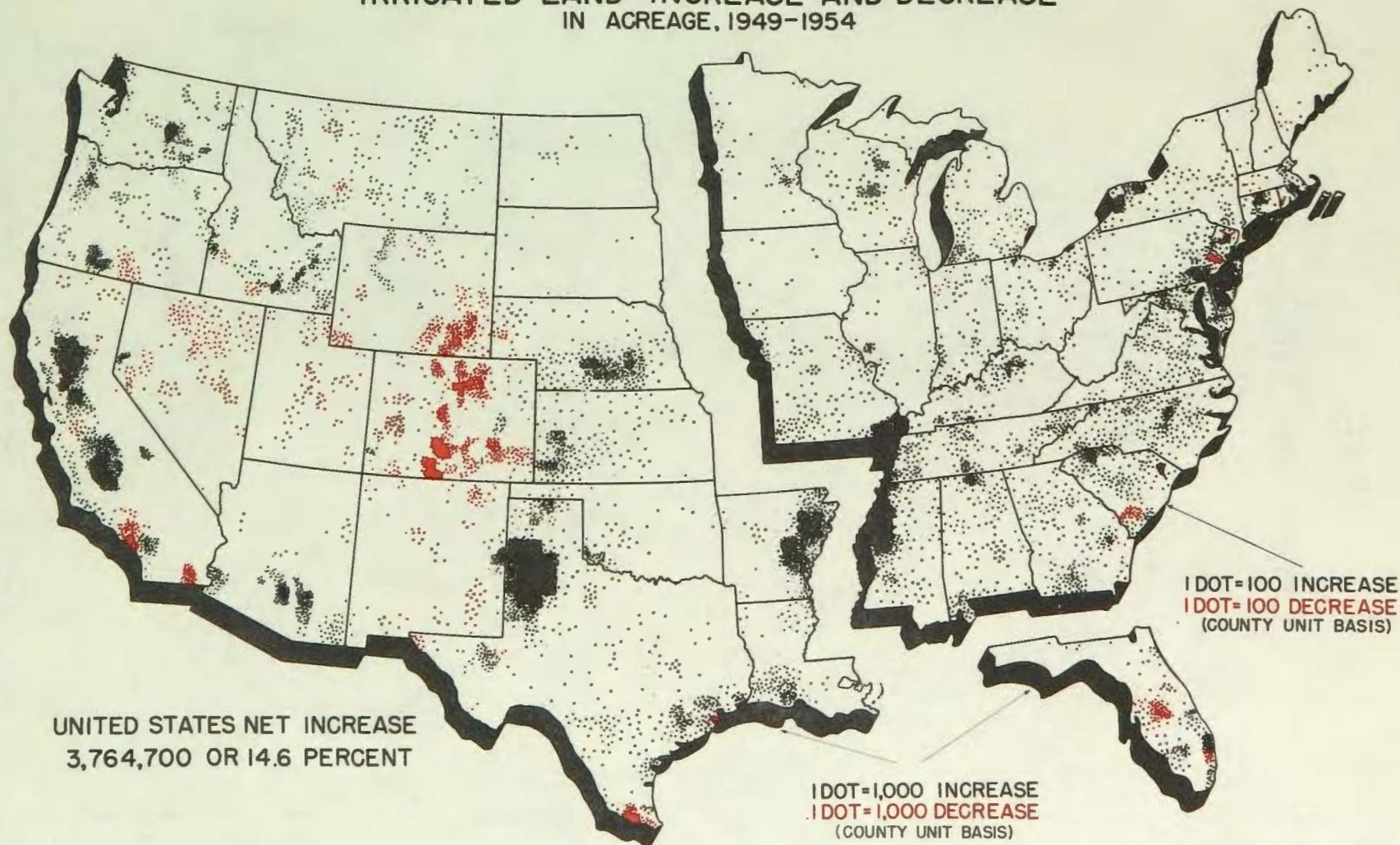
Legality of water rights.—While a challenge regarding the legality of water rights was reported by only 2 percent of the operators of 14,541 farms in the 1955 survey, this aspect of irrigation may be much more significant than is indicated by the small number of farms reporting. Some of the reports on the challenge of the legality of the right to use water, may have involved legal action, although no information is available regarding the exact number of such cases. The reports on water rights were not restricted to cases where legal action had been taken but included oral and other threats of legal action as well. Farmers who used streams for water reported most of the cases involving a question of legal rights. Laws are more restrictive with respect to the use of streams than other sources of water supply in most of the 28 States. Forty-four percent of those reporting a challenge of the legality of water rights reported the source of water as "streams only."

More than one-fourth of the farmers who reported a challenge of the legality of water rights were operators of farms on which irrigation began in 1954 or later. On approximately one-fourth of the farms reporting a challenge of legality of water rights, irrigation was begun during the period 1951-1953. Almost three-fifths of those reporting the legality of water rights questioned, reported the use of constructed reservoirs.

IRRIGATED LAND IN FARMS  
ACREAGE, 1954



# IRRIGATED LAND-INCREASE AND DECREASE IN ACREAGE, 1949-1954



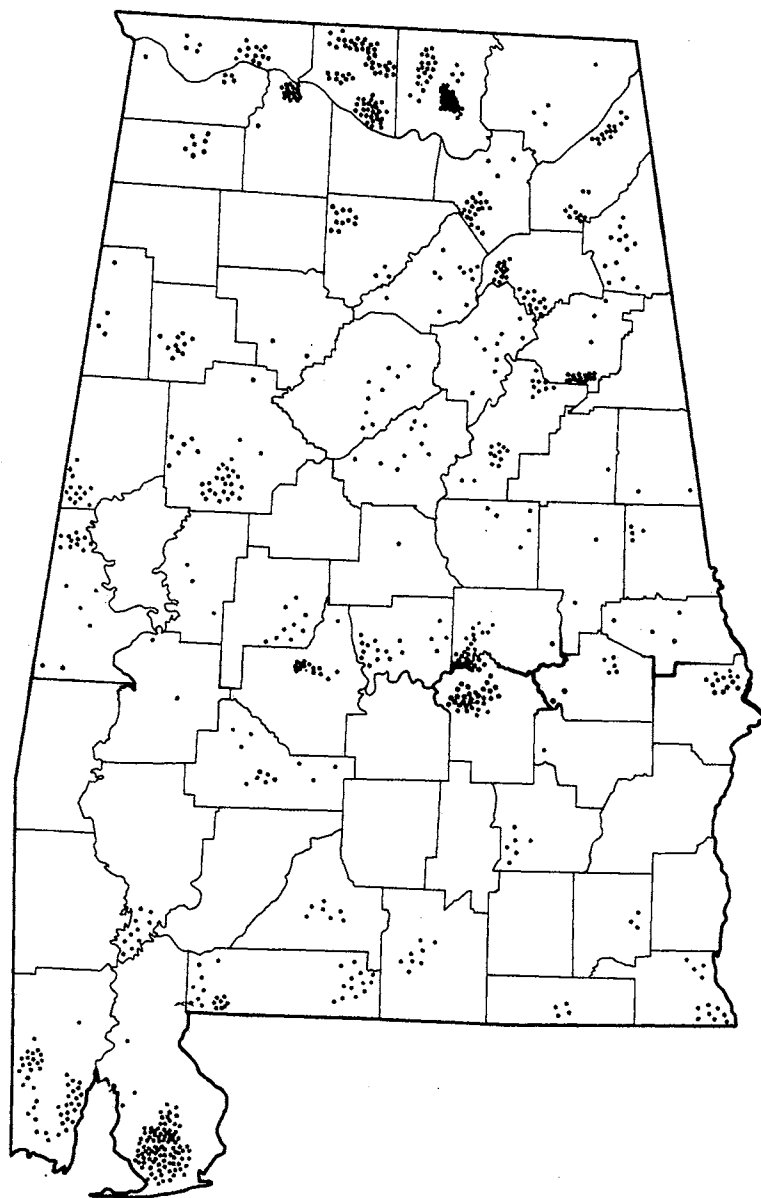
U. S. DEPARTMENT OF COMMERCE

MAP NO. A54-225

BUREAU OF THE CENSUS

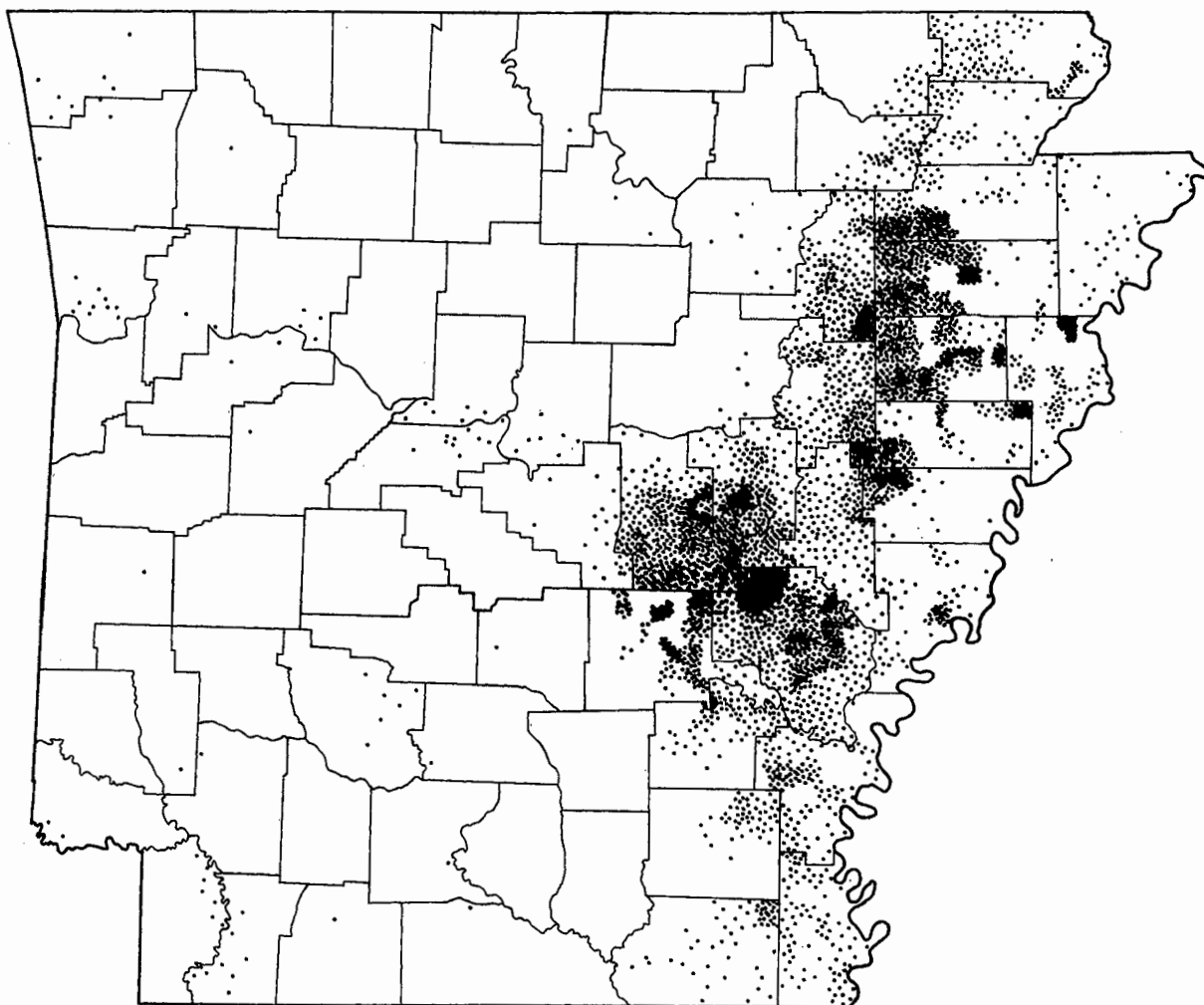
## ALABAMA

ACREAGE IRRIGATED, 1954



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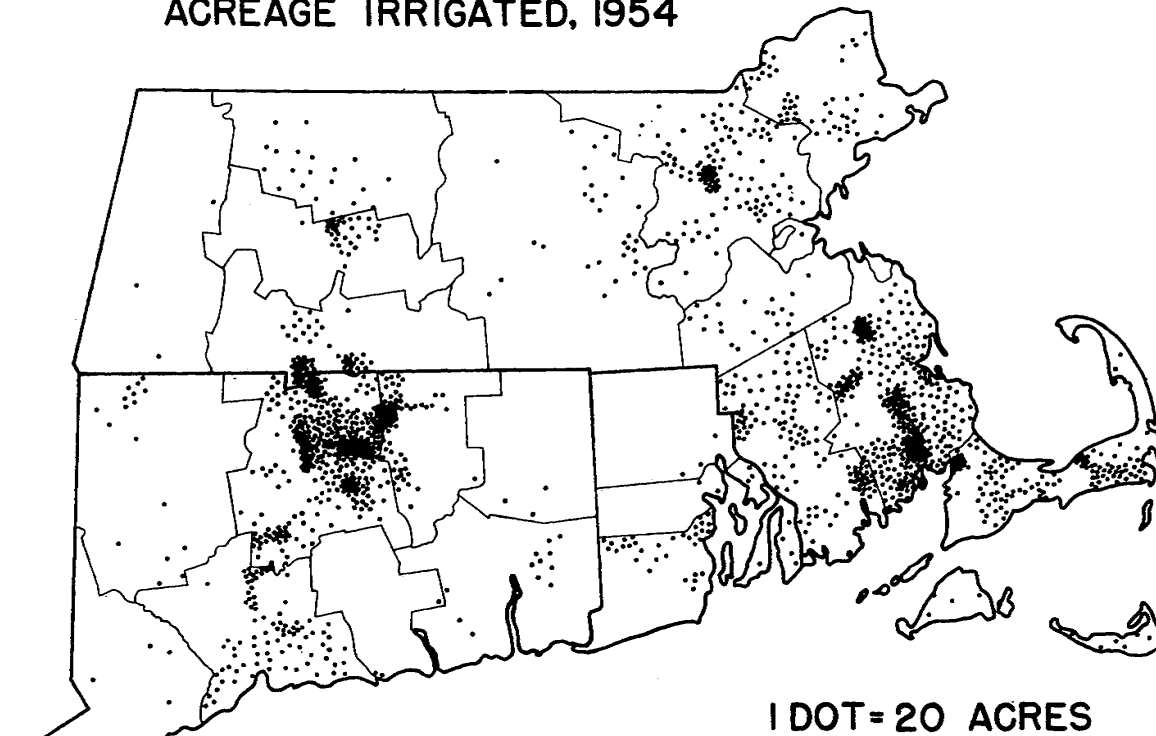
**ARKANSAS**  
**ACREAGE IRRIGATED, 1954**



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# CONNECTICUT, RHODE ISLAND, AND MASSACHUSETTS

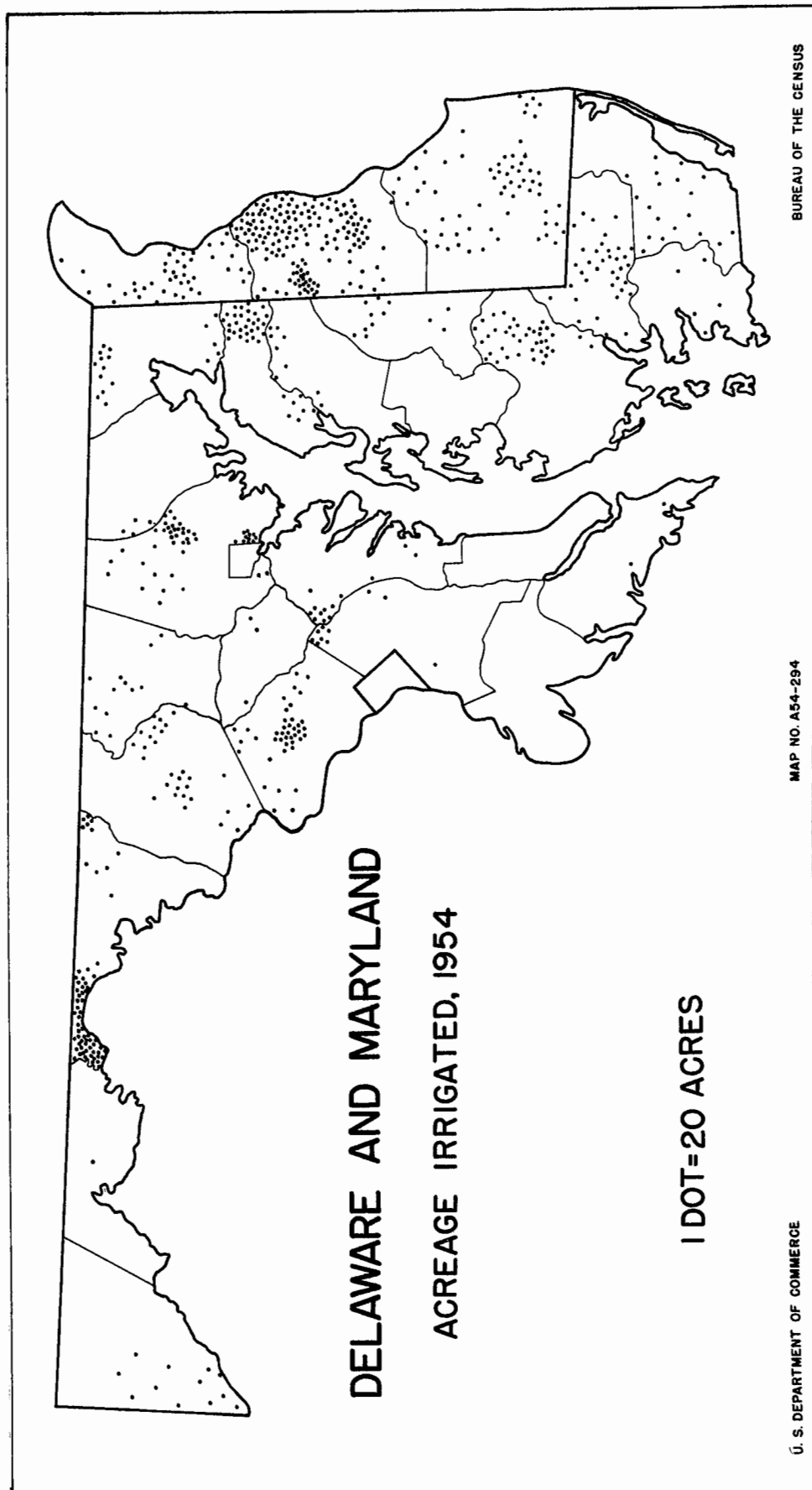
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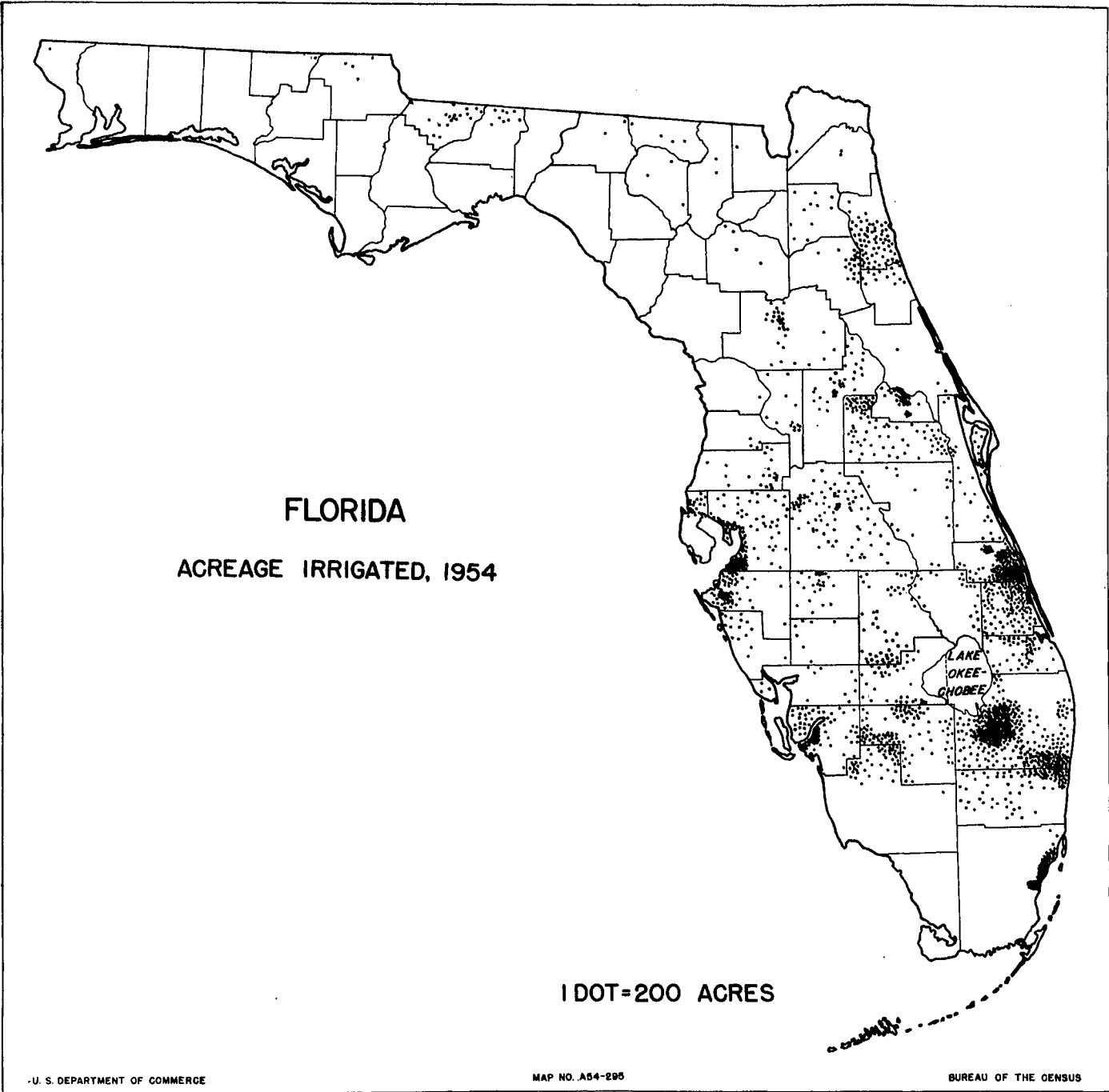


U. S. DEPARTMENT OF COMMERCE

MAP NO. A54-293

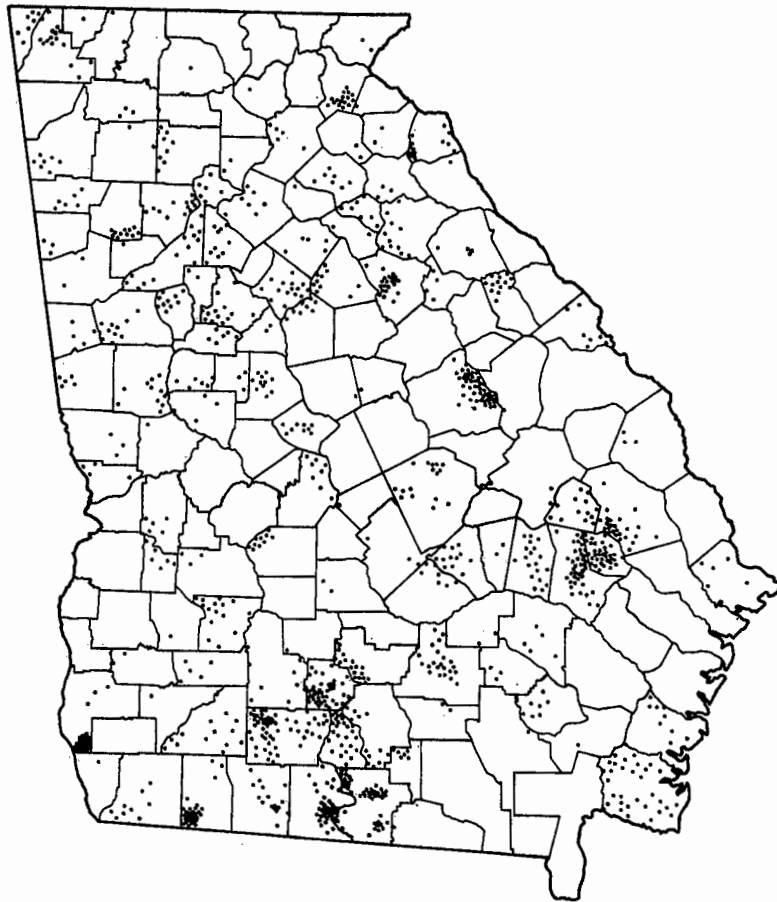
BUREAU OF THE CENSUS



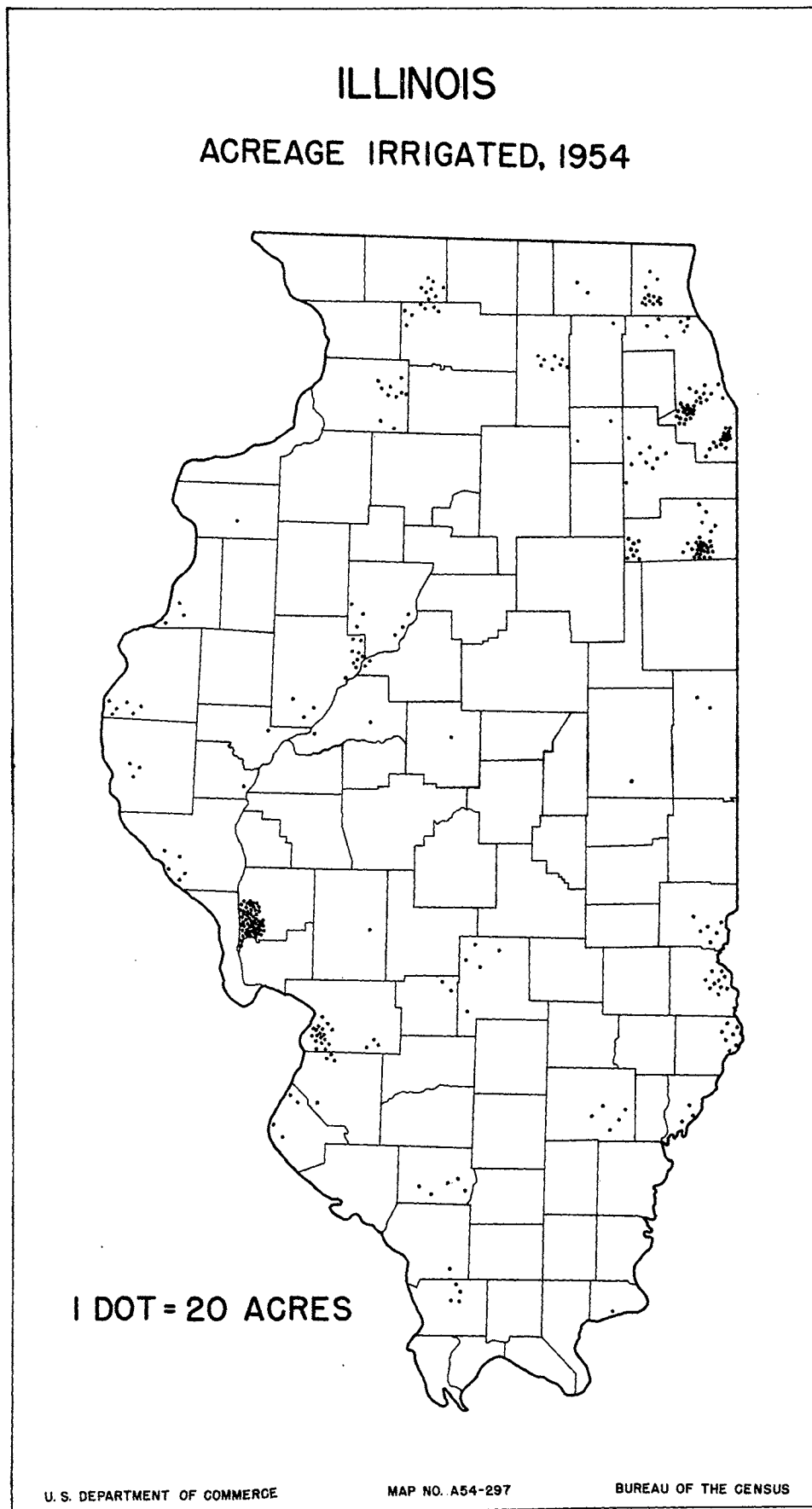


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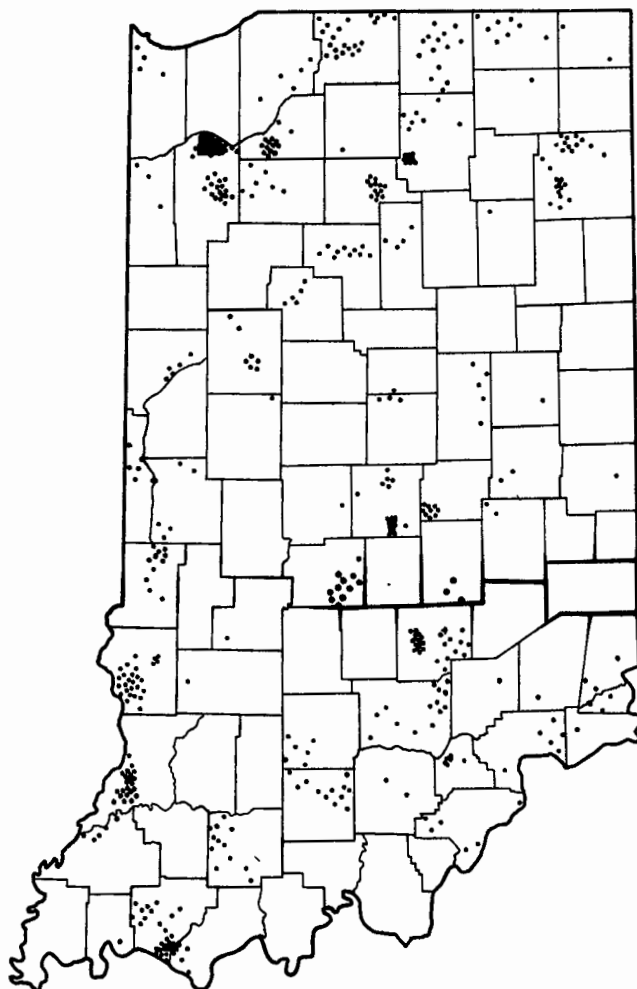
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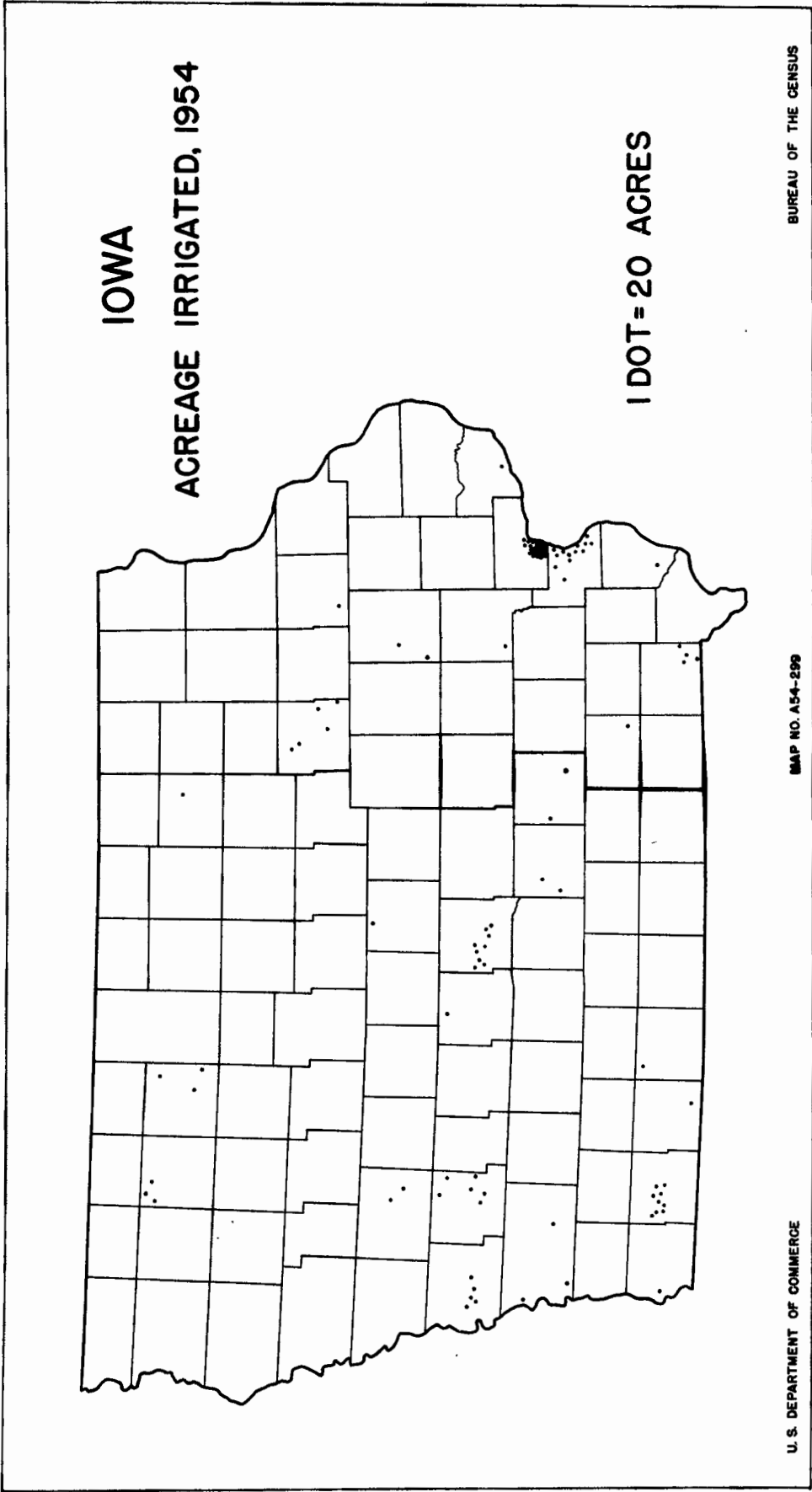
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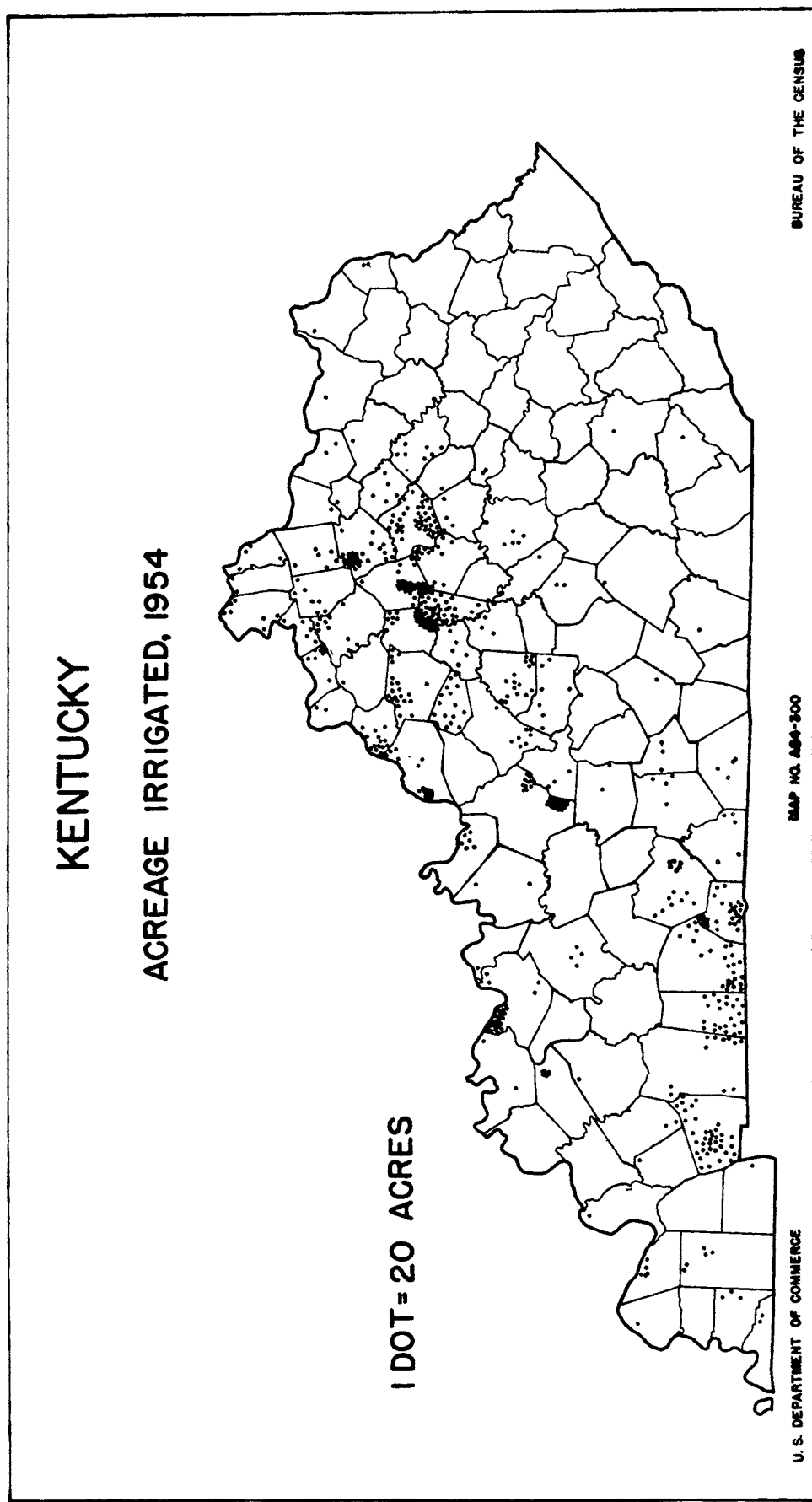


**INDIANA**  
**ACREAGE IRRIGATED, 1954**



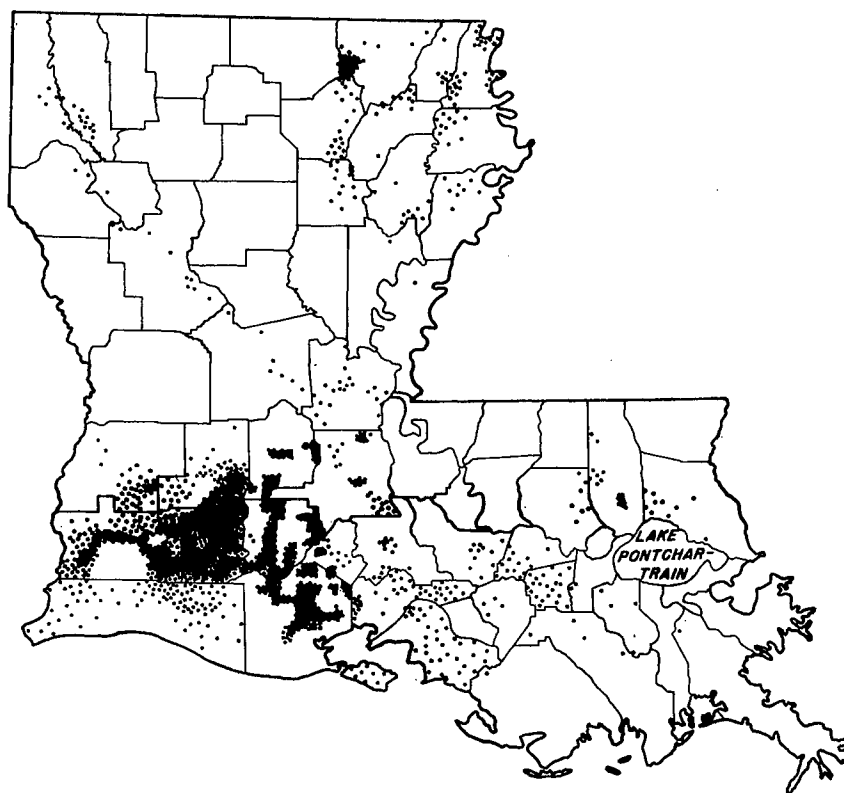
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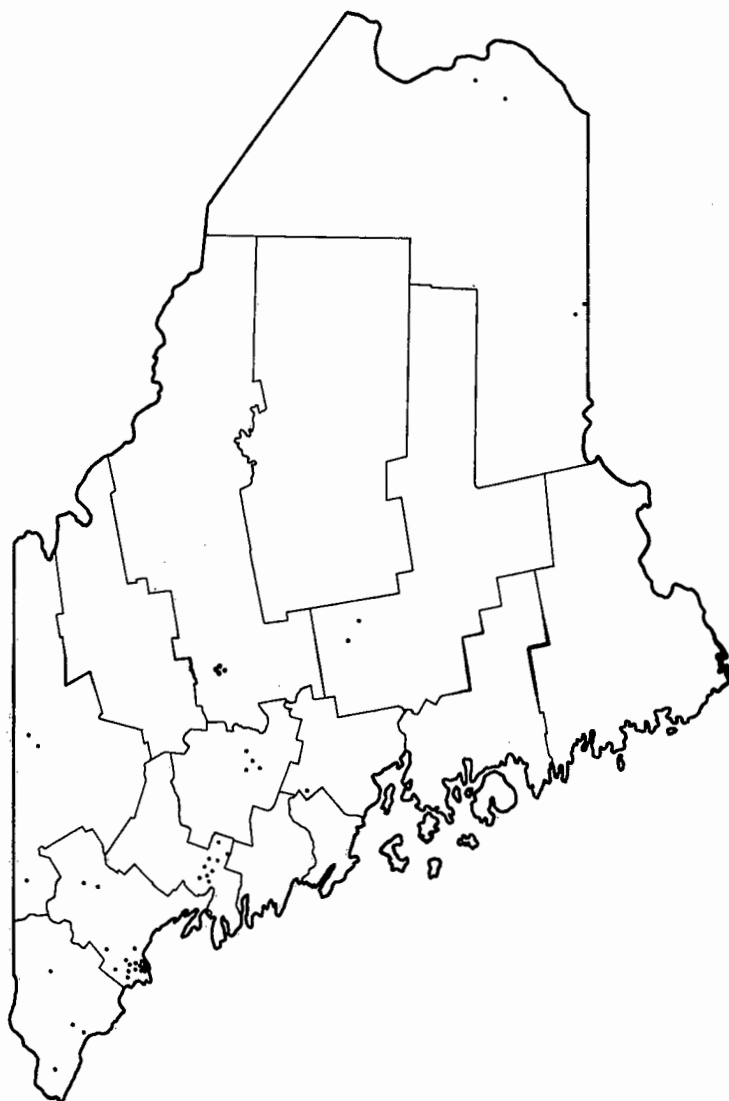
## LOUISIANA

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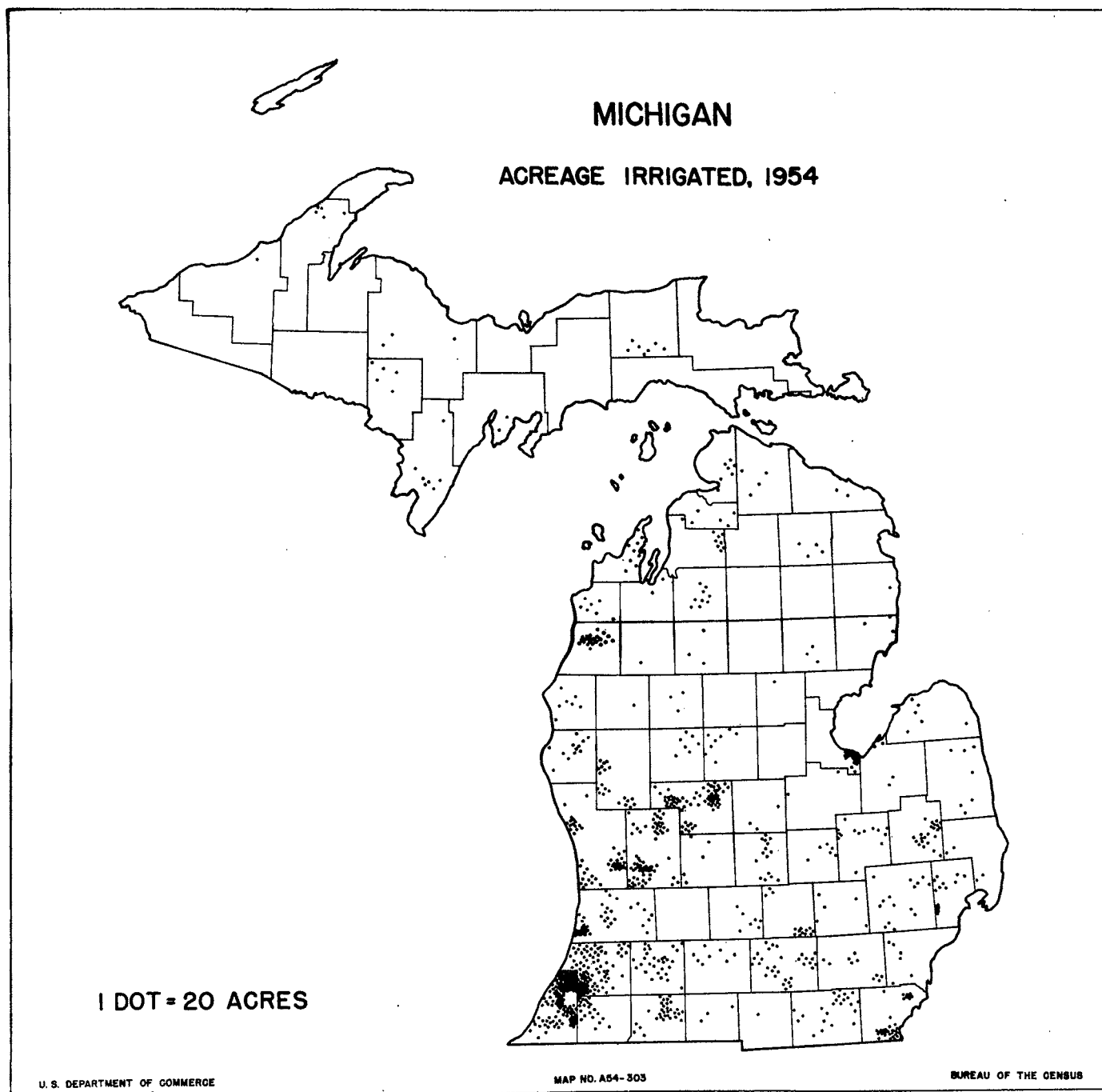


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**MAINE**  
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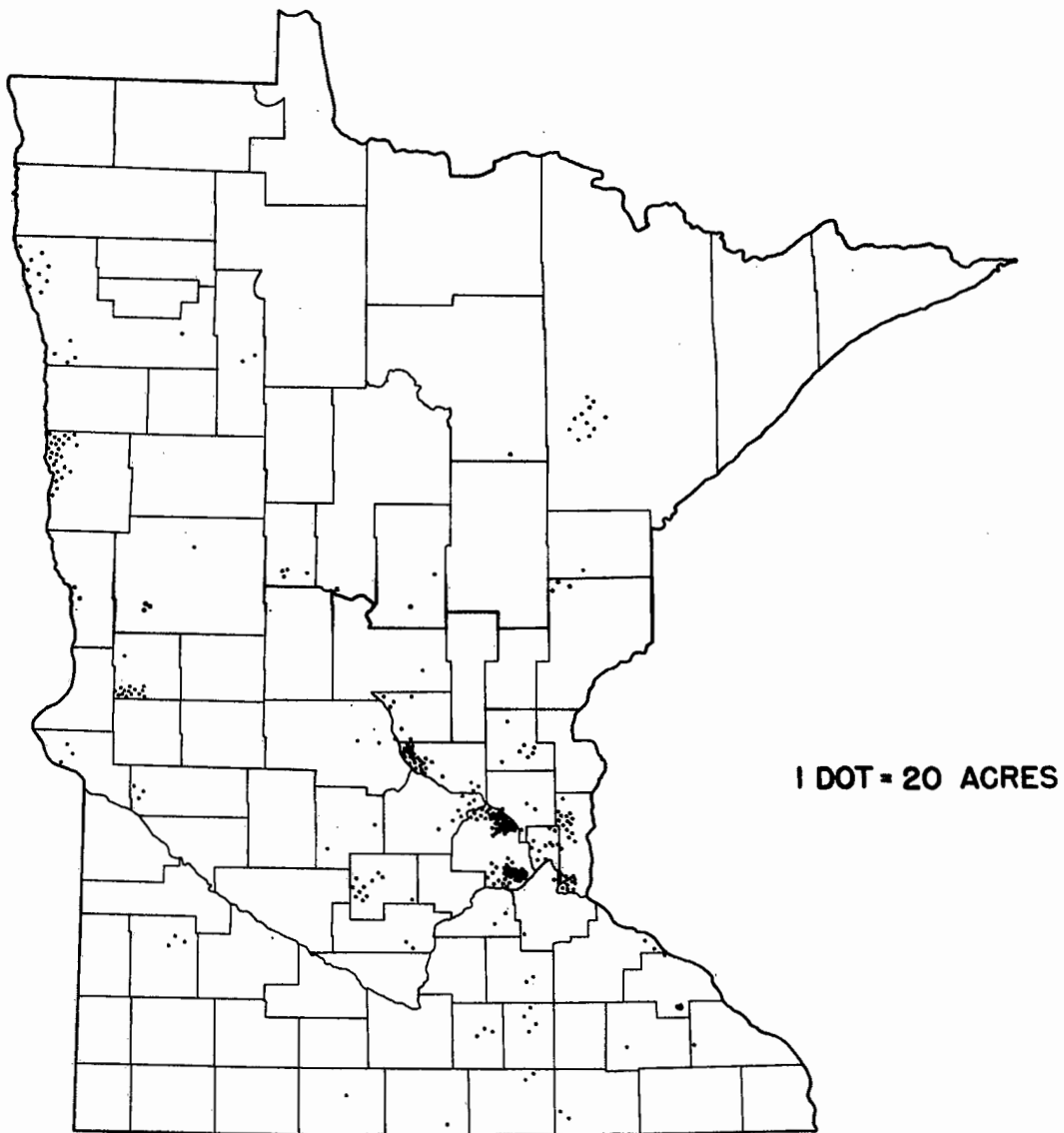


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**MINNESOTA**

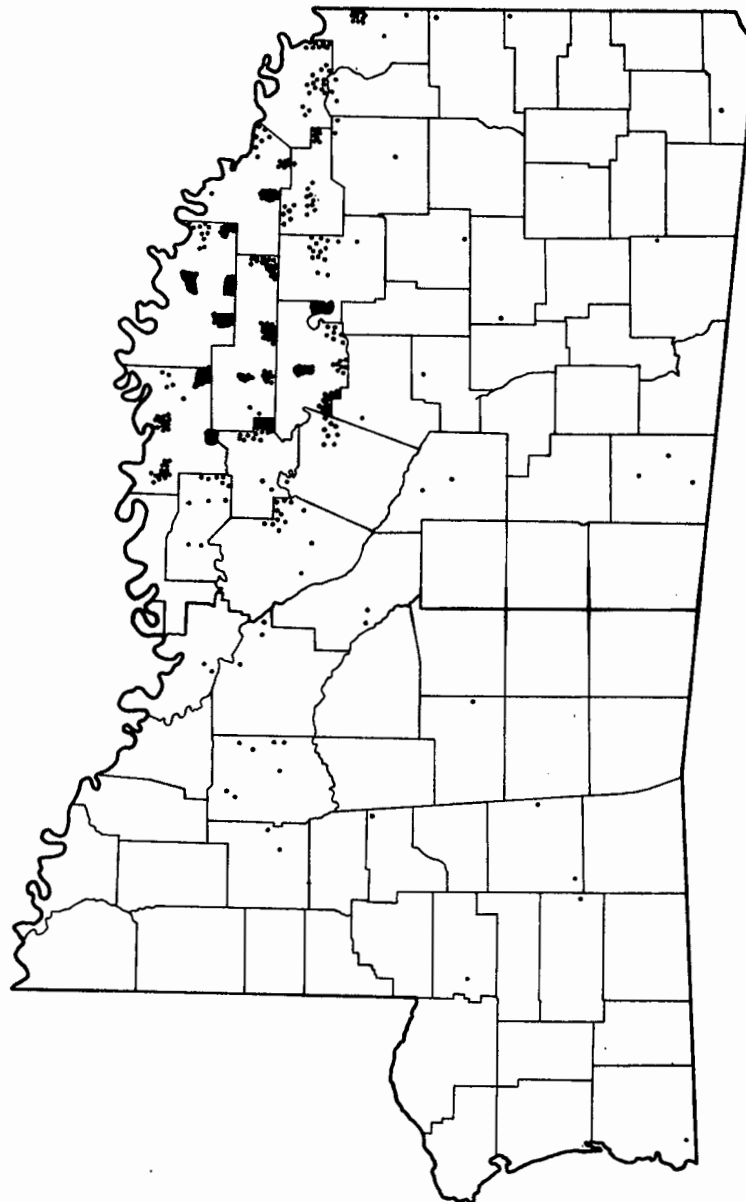
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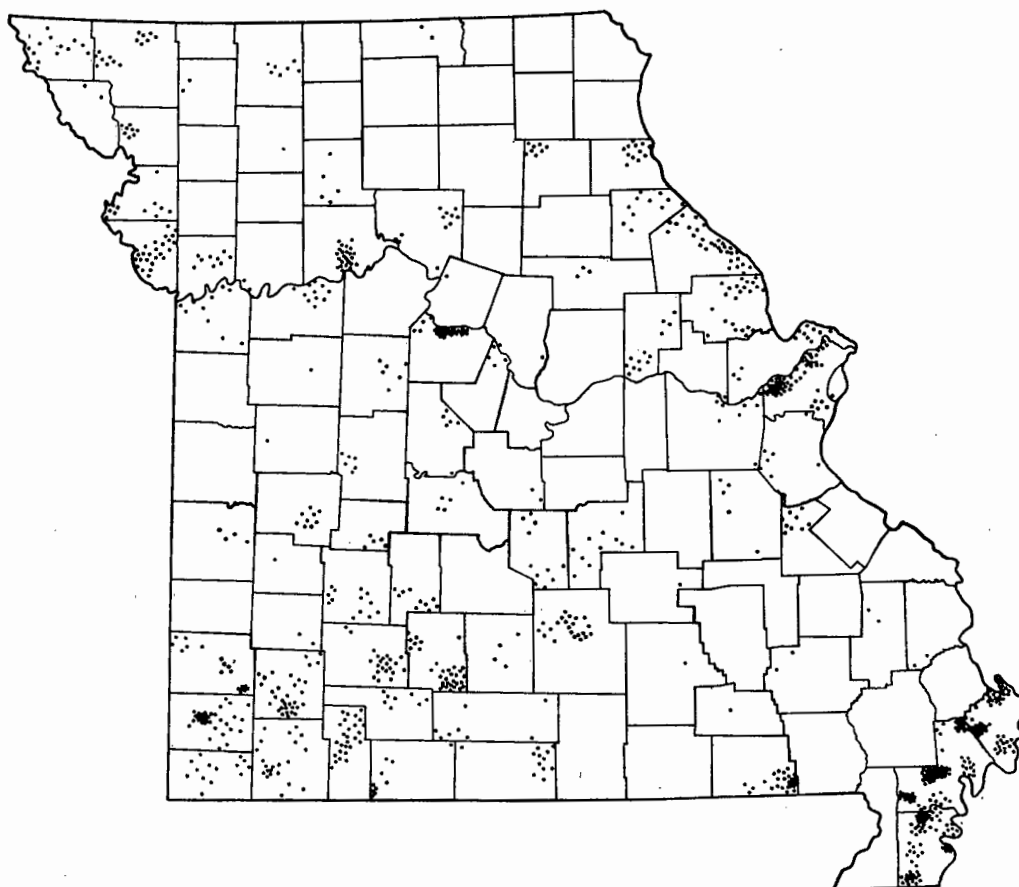
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ACREAGE IRRIGATED, 1954



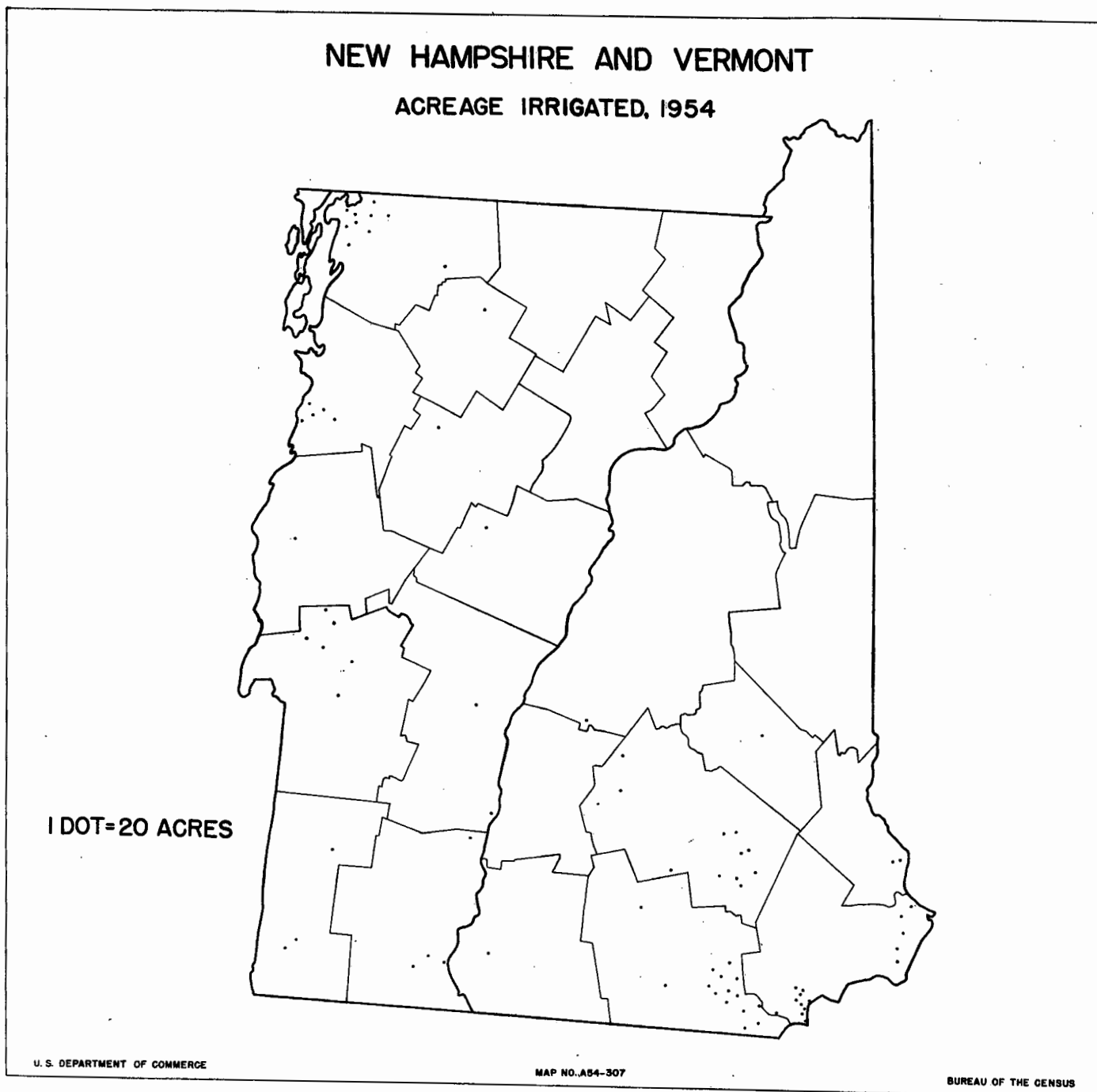
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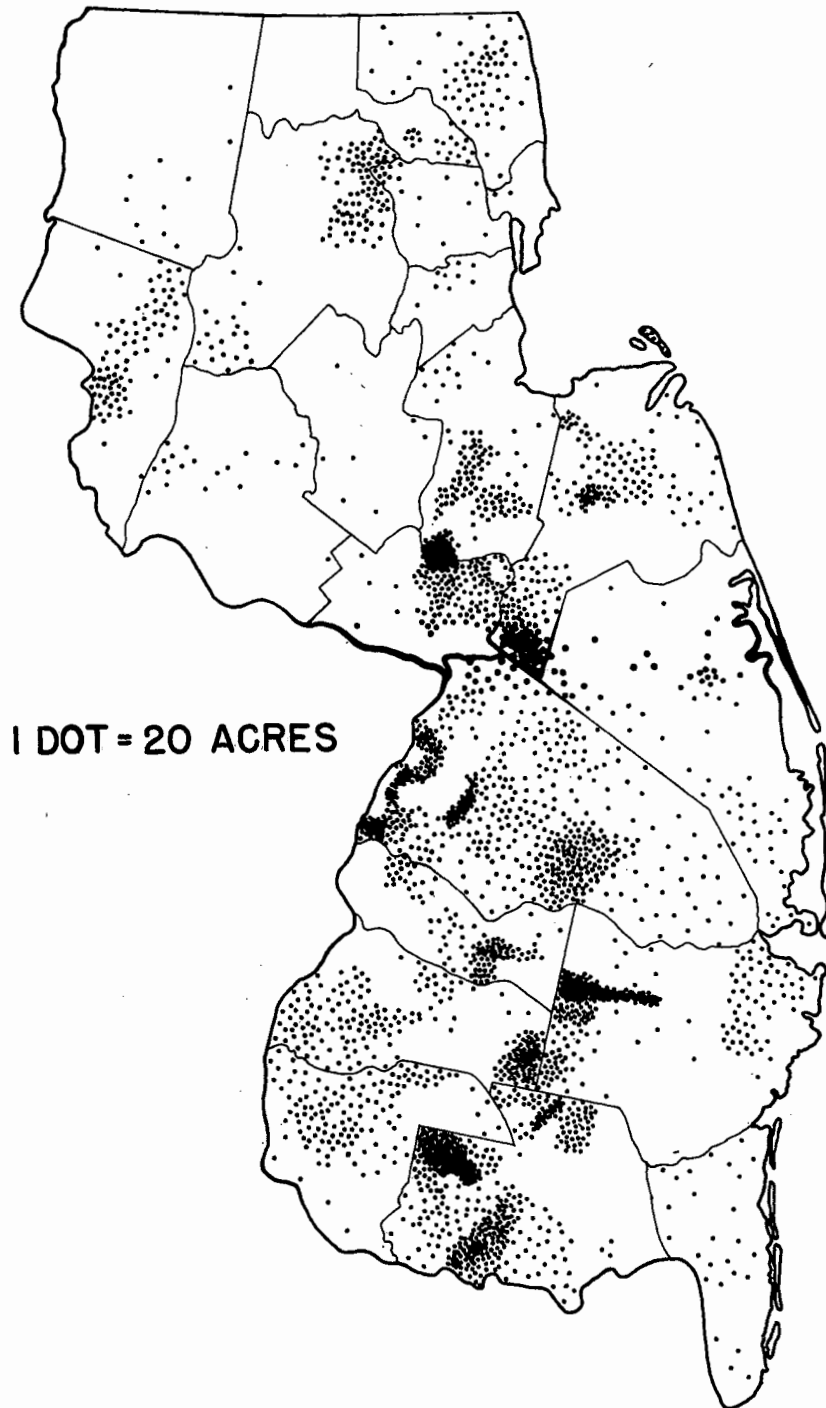


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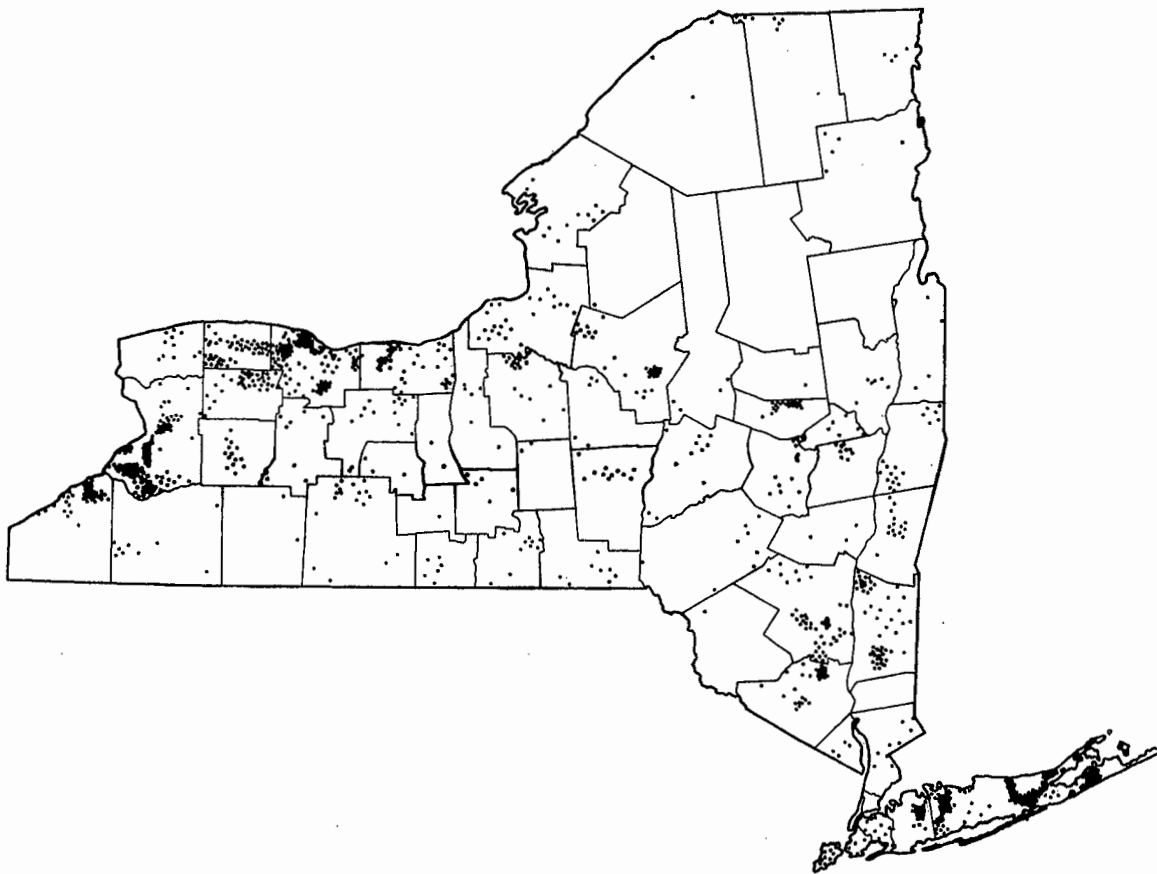
IRRIGATION IN HUMID AREAS



**NEW JERSEY**  
**ACREAGE IRRIGATED, 1954**

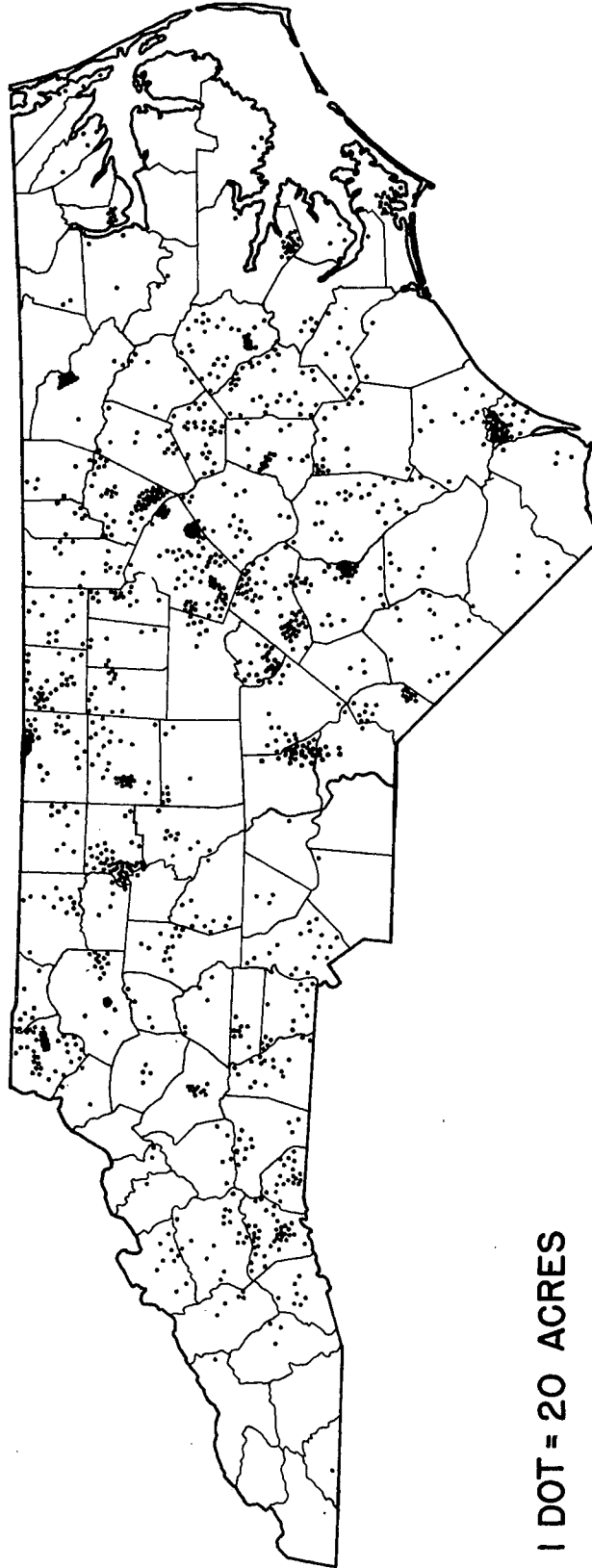


NEW YORK  
ACREAGE IRRIGATED, 1954



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**NORTH CAROLINA**  
**ACREAGE IRRIGATED, 1954**



**1 DOT = 20 ACRES**

U. S. DEPARTMENT OF COMMERCE

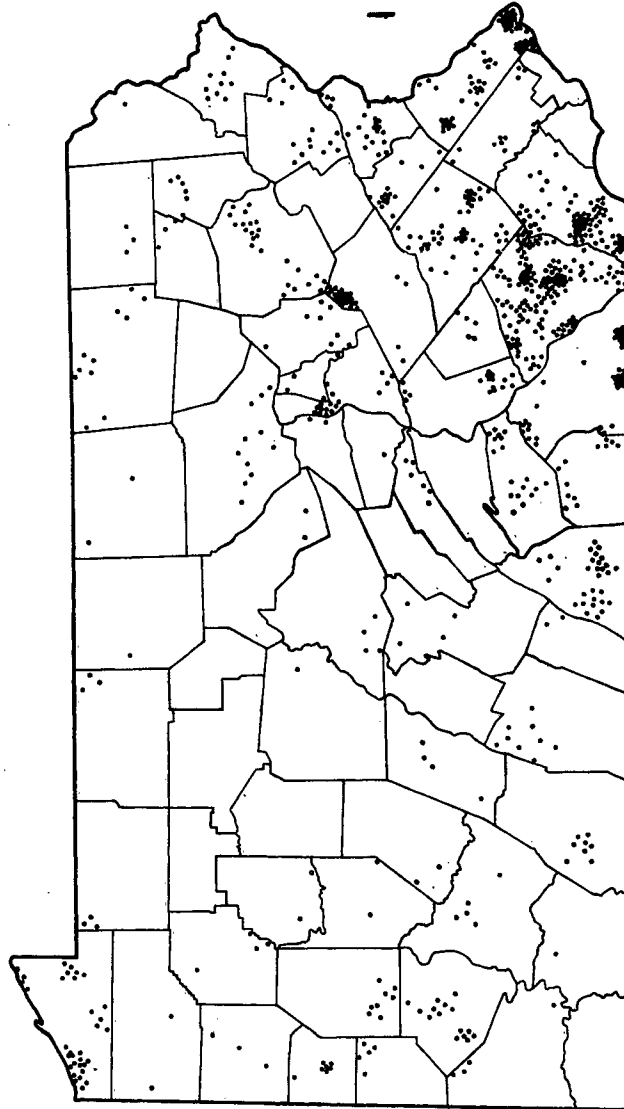
MAP NO. A54-310

BUREAU OF THE CENSUS



PENNSYLVANIA

ACREAGE IRRIGATED, 1954

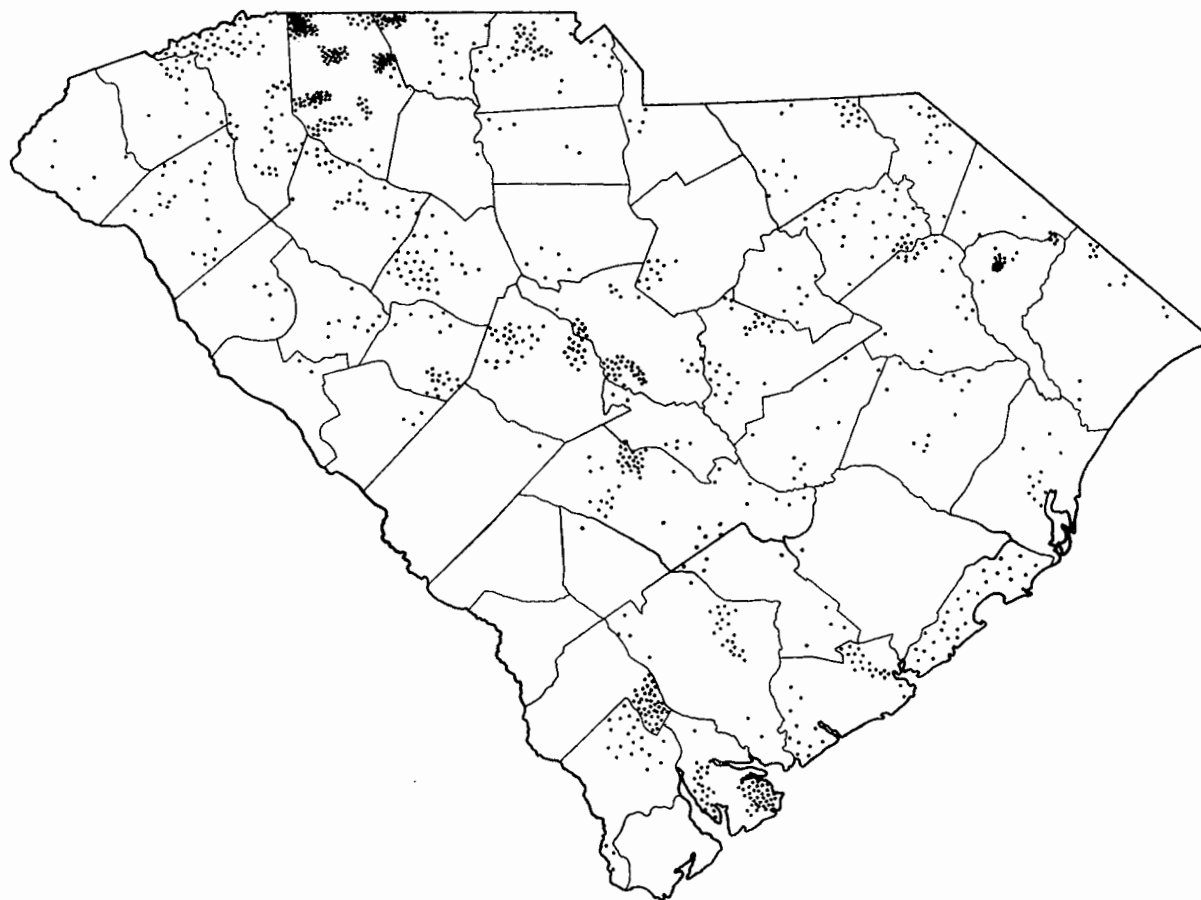


U. S. DEPARTMENT OF COMMERCE

MAP NO. A84-312

BUREAU OF THE CENSUS

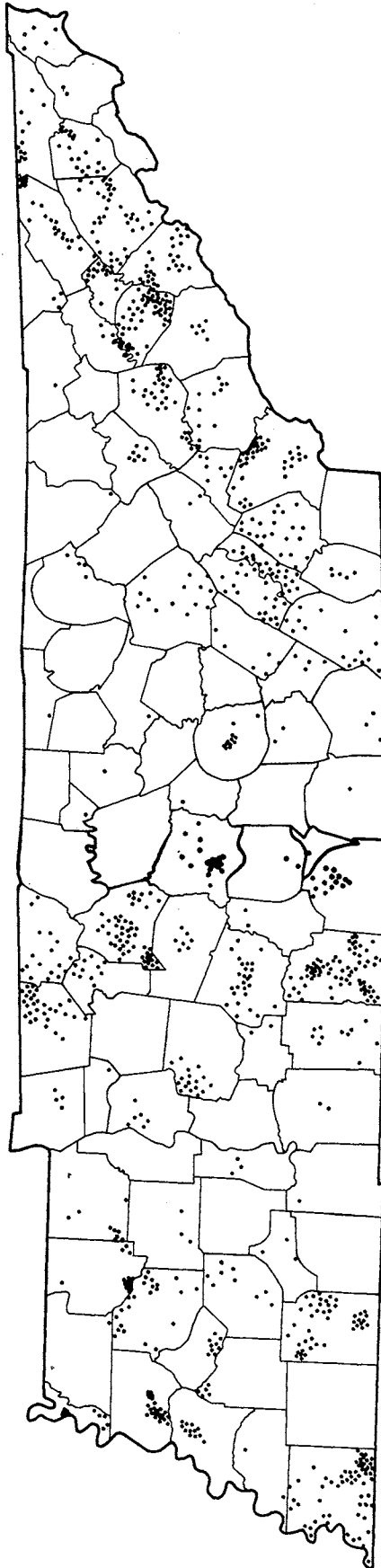
**SOUTH CAROLINA**  
**ACREAGE IRRIGATED, 1954**



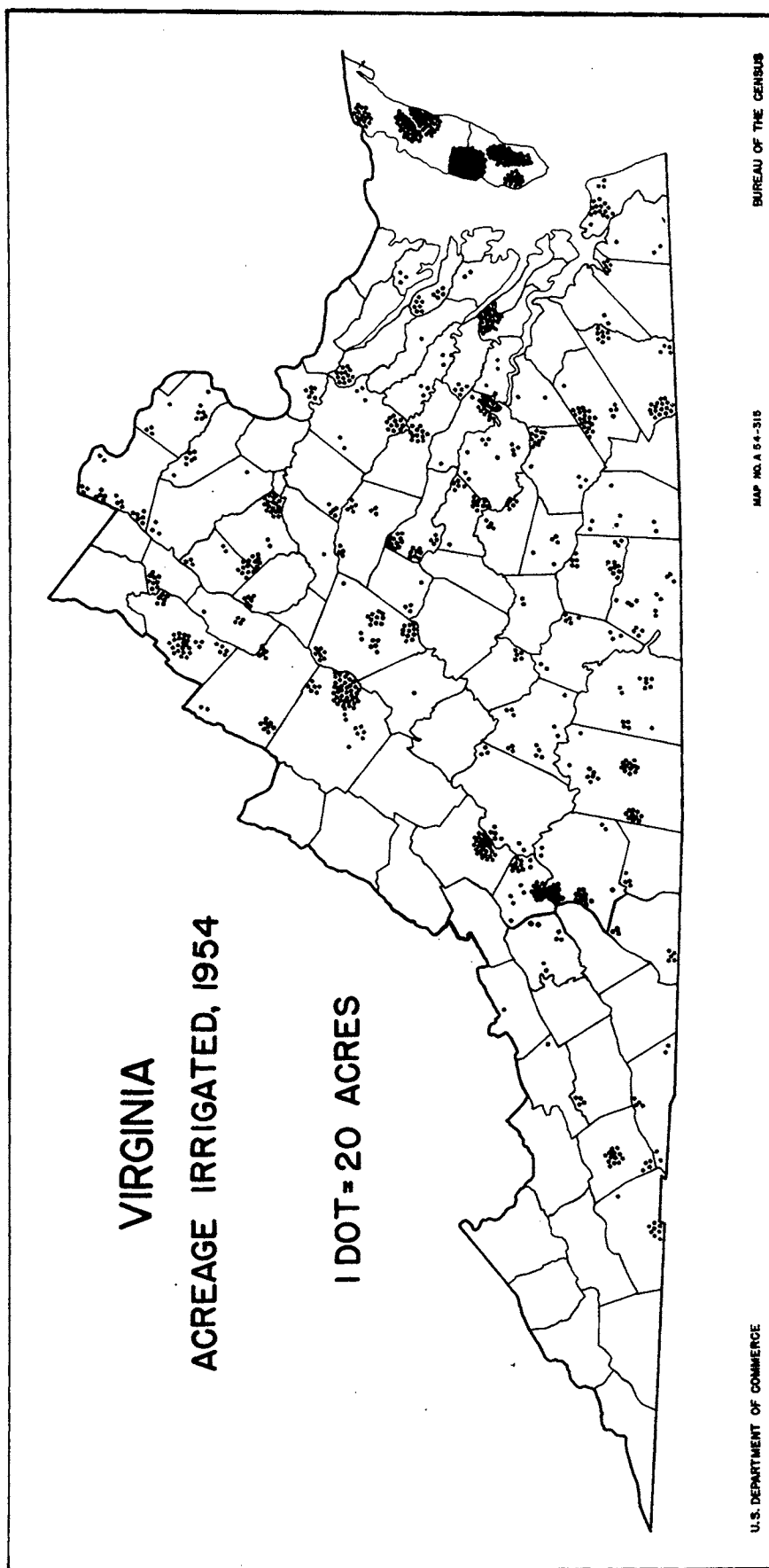
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TENNESSEE

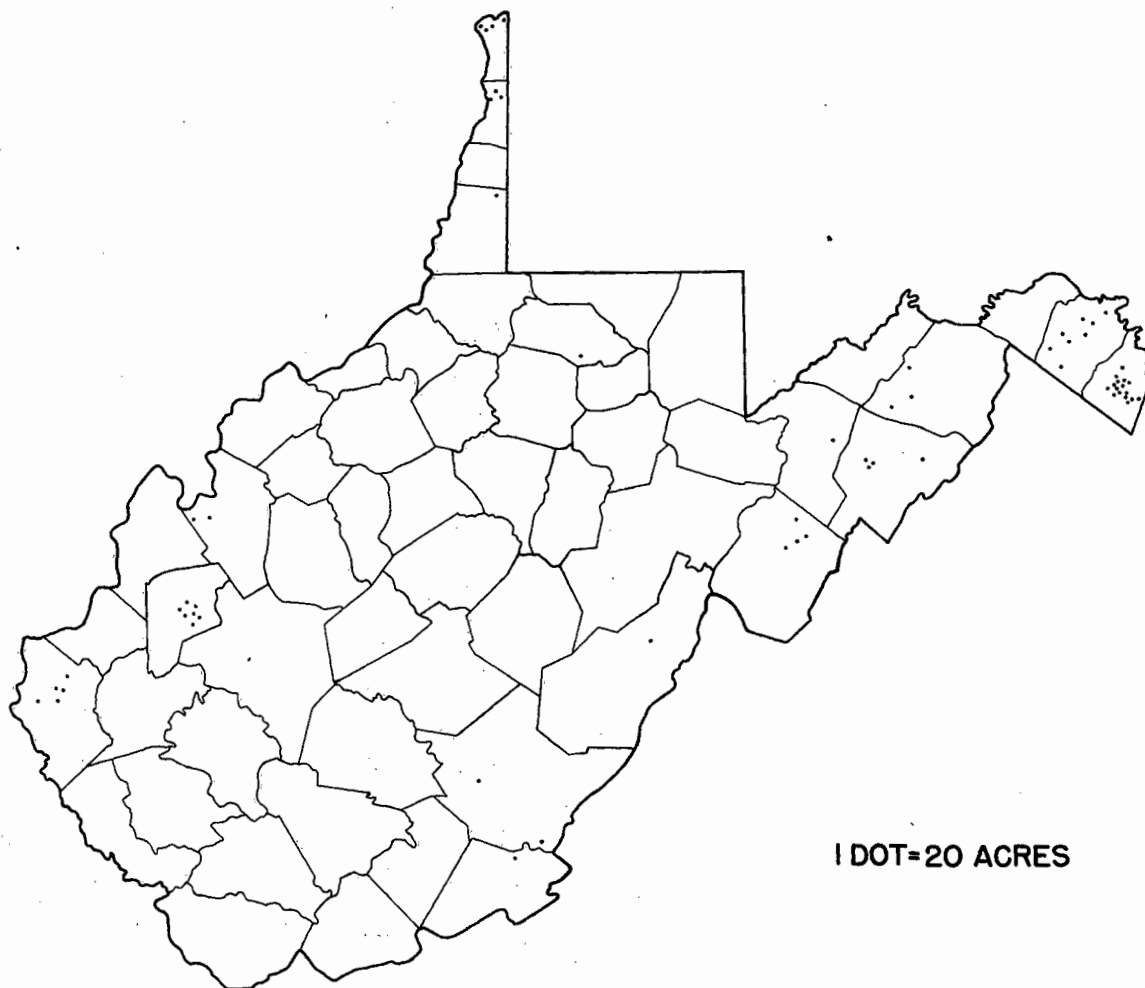
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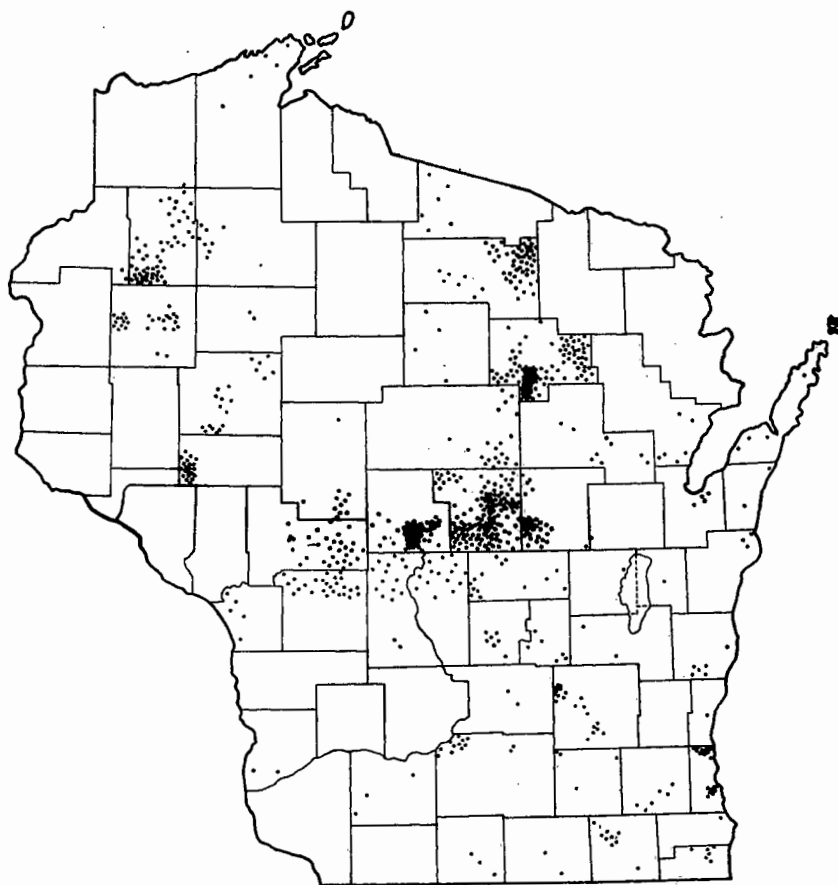


WEST VIRGINIA  
ACREAGE IRRIGATED, 1954



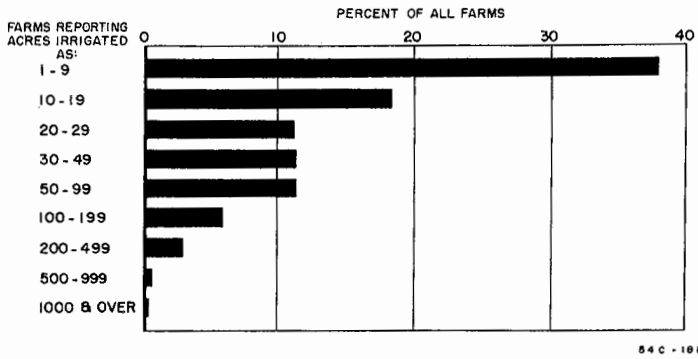
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**WISCONSIN**  
**ACREAGE IRRIGATED, 1954**

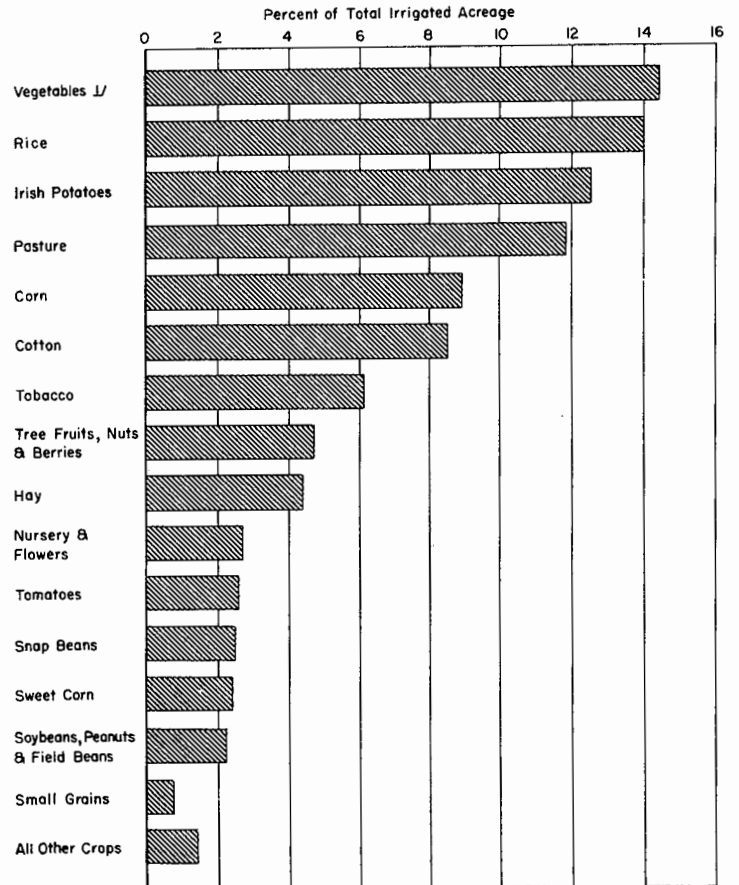


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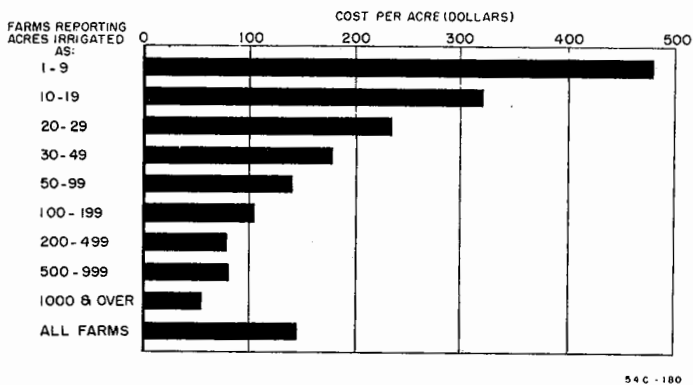
**DISTRIBUTION OF FARMS BY ACRES IRRIGATED IN 1954, FOR THE 28 STATES**



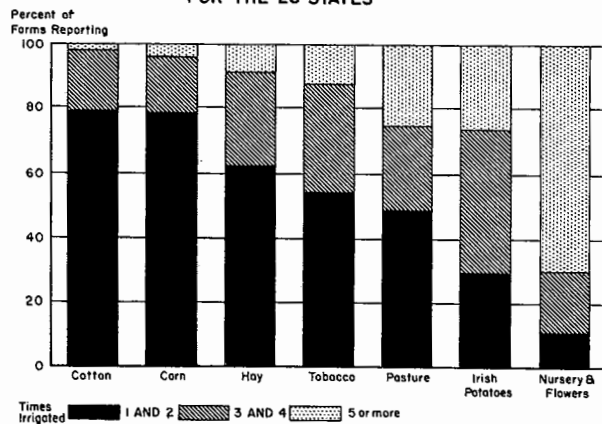
**DISTRIBUTION OF ACREAGE IRRIGATED IN 1954, BY PRINCIPAL CROPS, FOR THE 28 STATES**



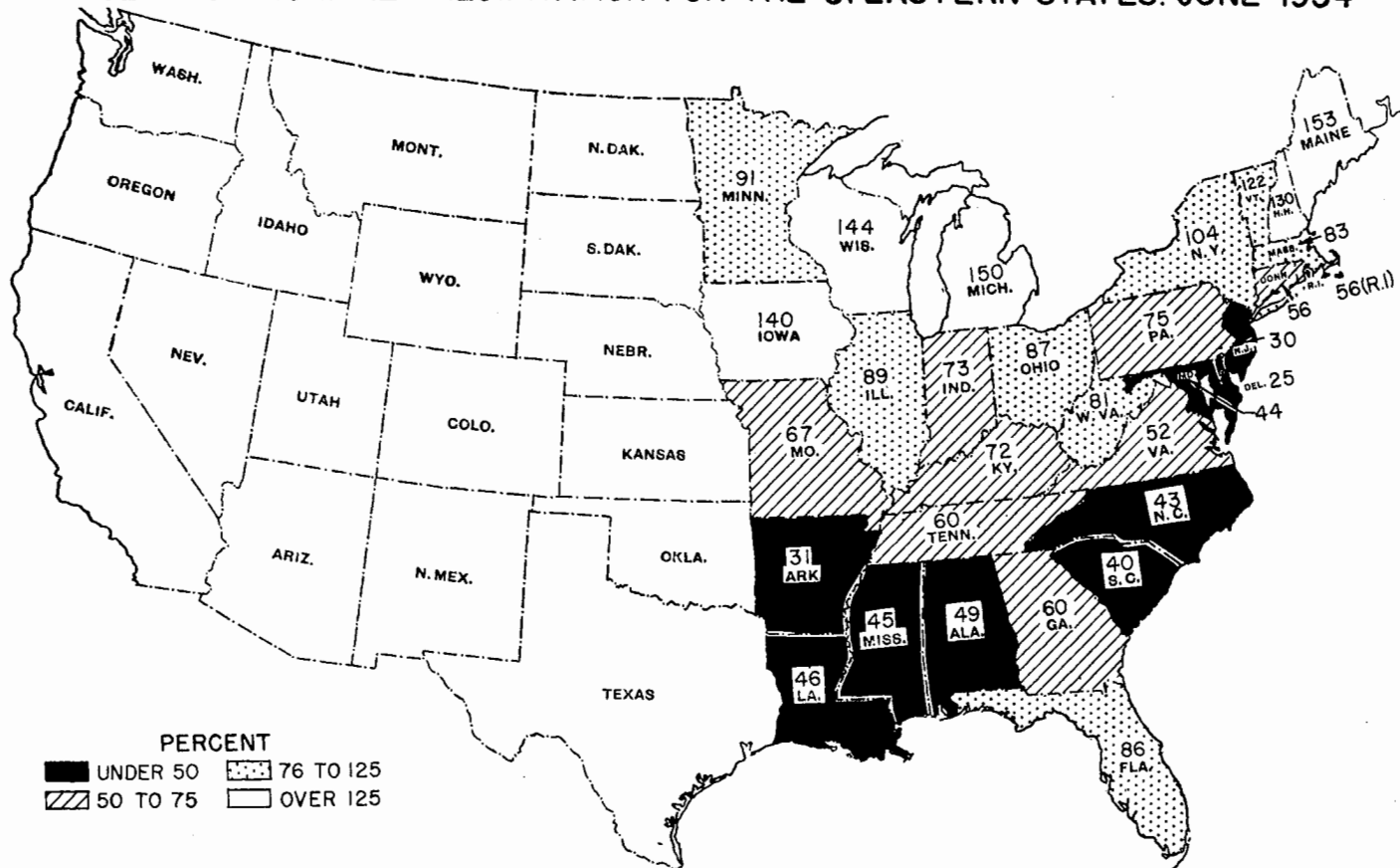
**TOTAL COST OF IRRIGATION SYSTEMS PER ACRE IRRIGATED, FOR FARMS CLASSIFIED BY LARGEST ACREAGE IRRIGATED FOR THE 28 STATES**



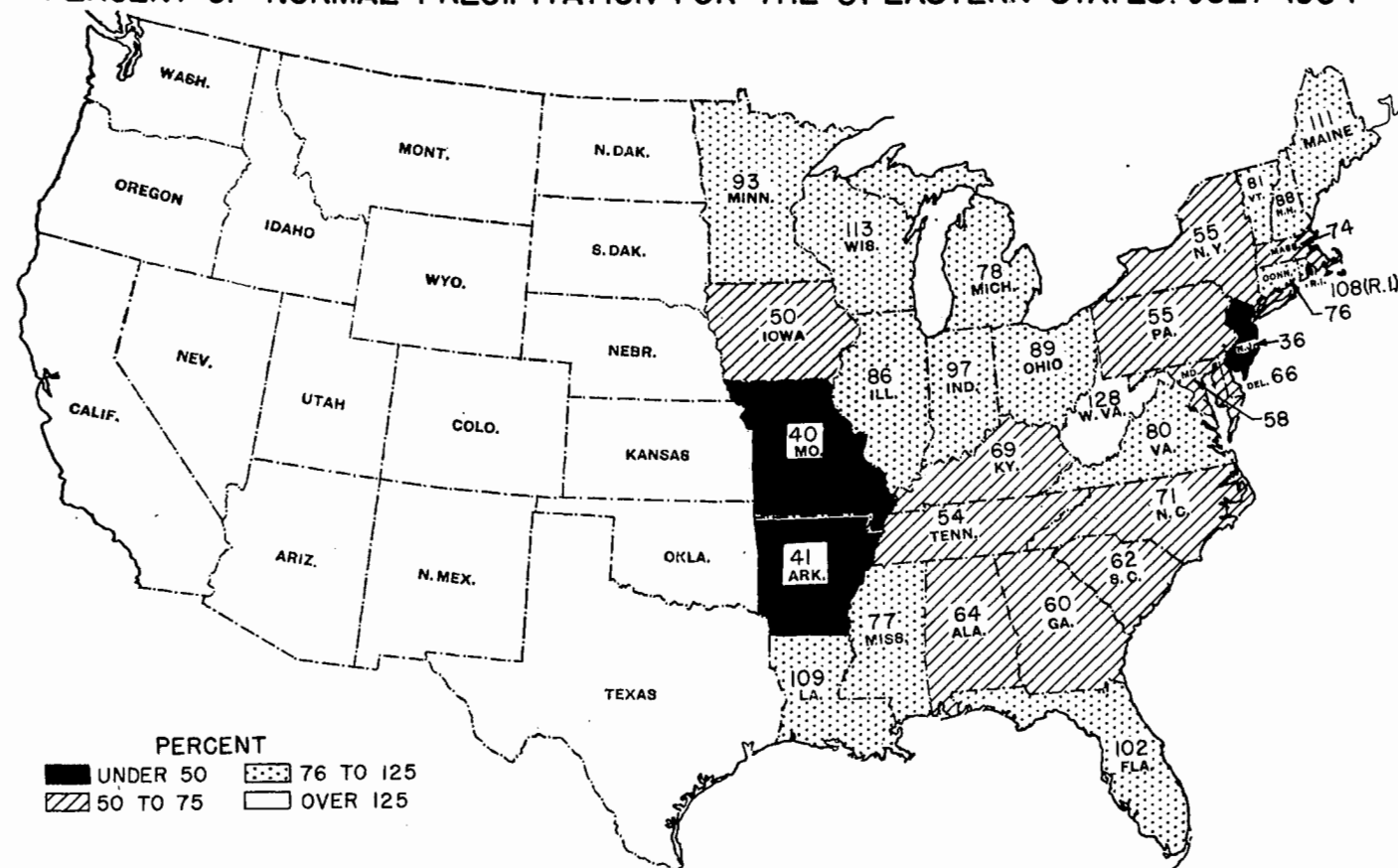
**DISTRIBUTION OF FARMS REPORTING FOR SELECTED CROPS, BY NUMBER OF TIMES IRRIGATED IN 1955, FOR THE 28 STATES**



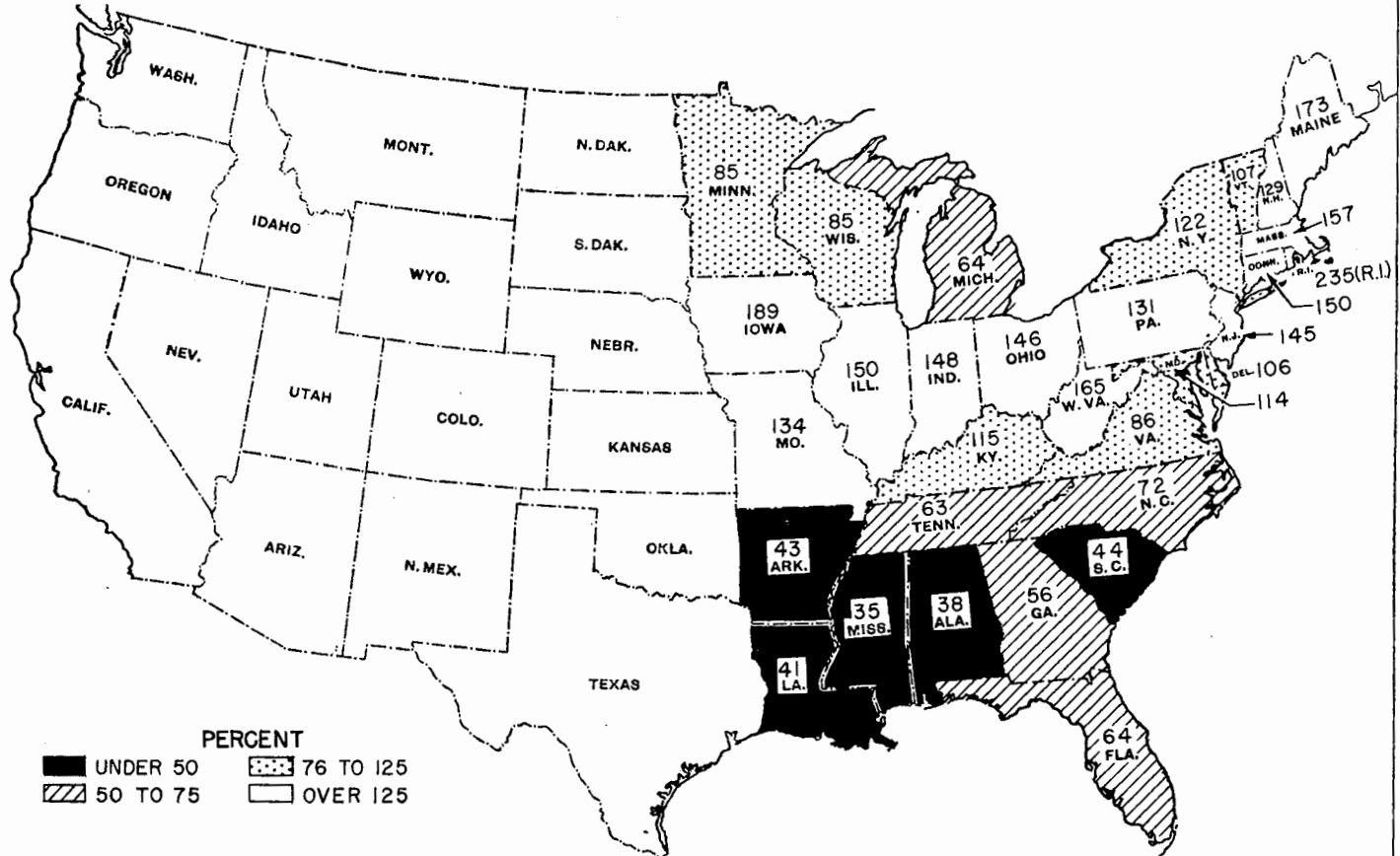
PERCENT OF NORMAL PRECIPITATION FOR THE 31 EASTERN STATES: JUNE 1954



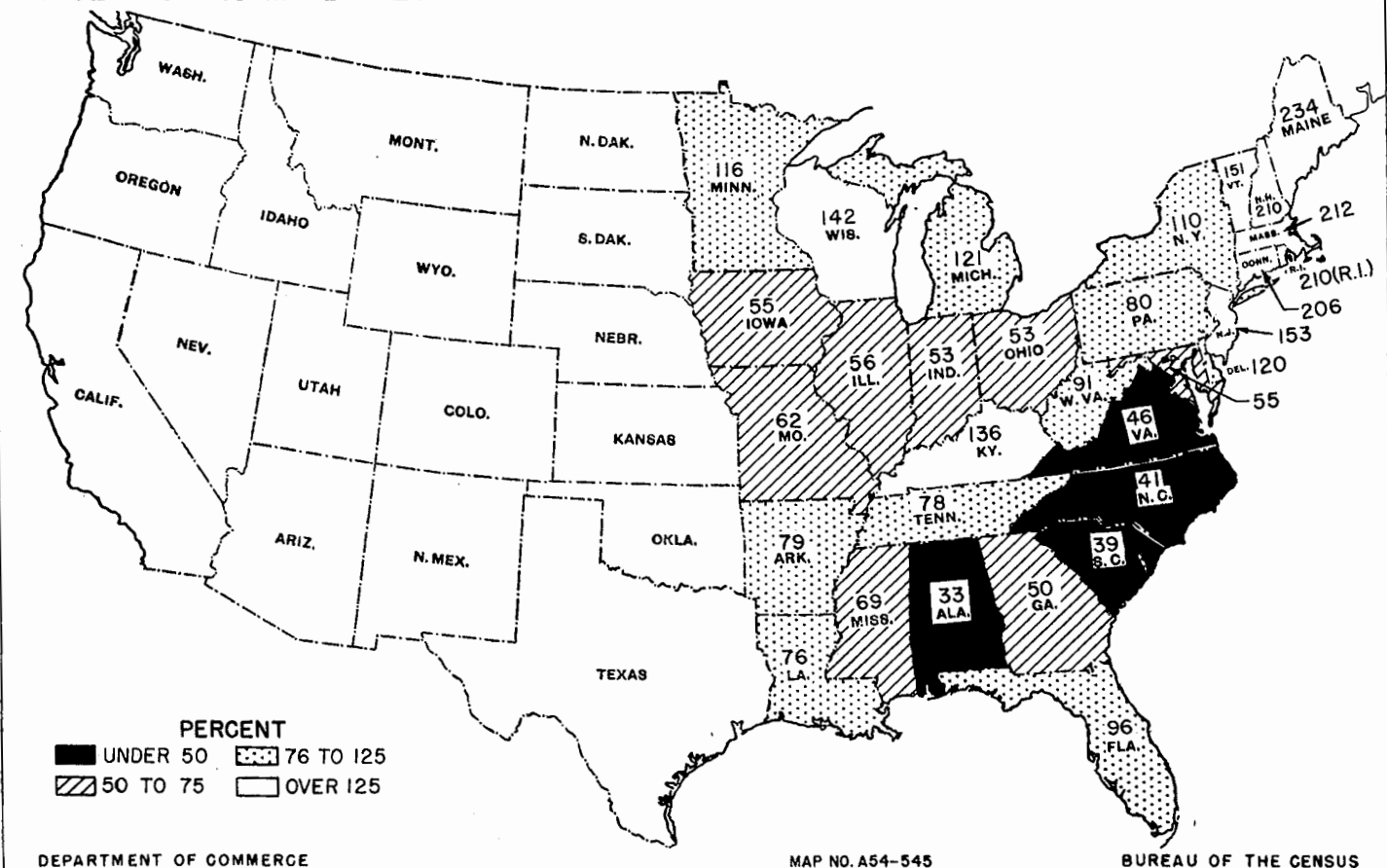
PERCENT OF NORMAL PRECIPITATION FOR THE 31 EASTERN STATES: JULY 1954

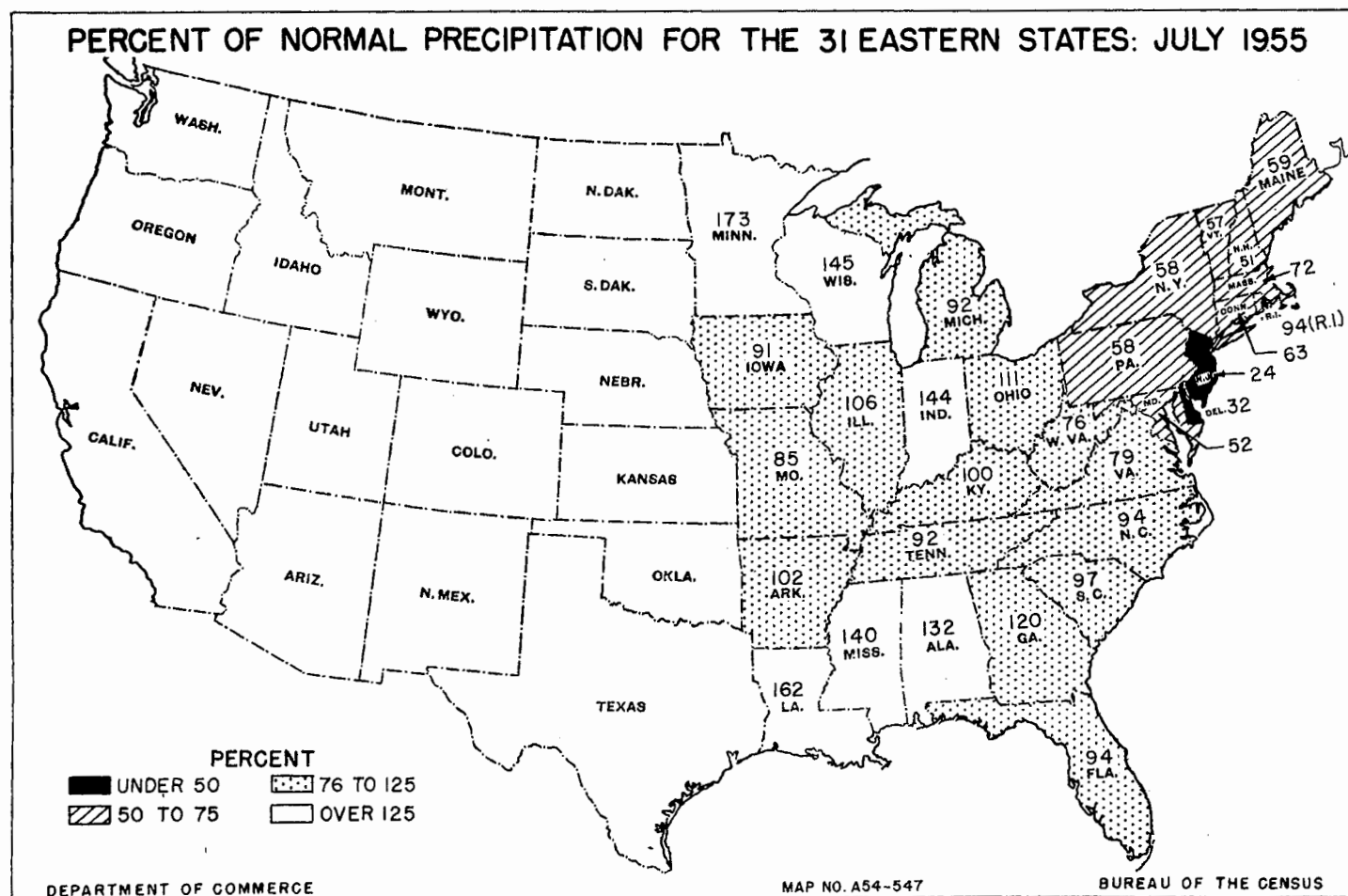
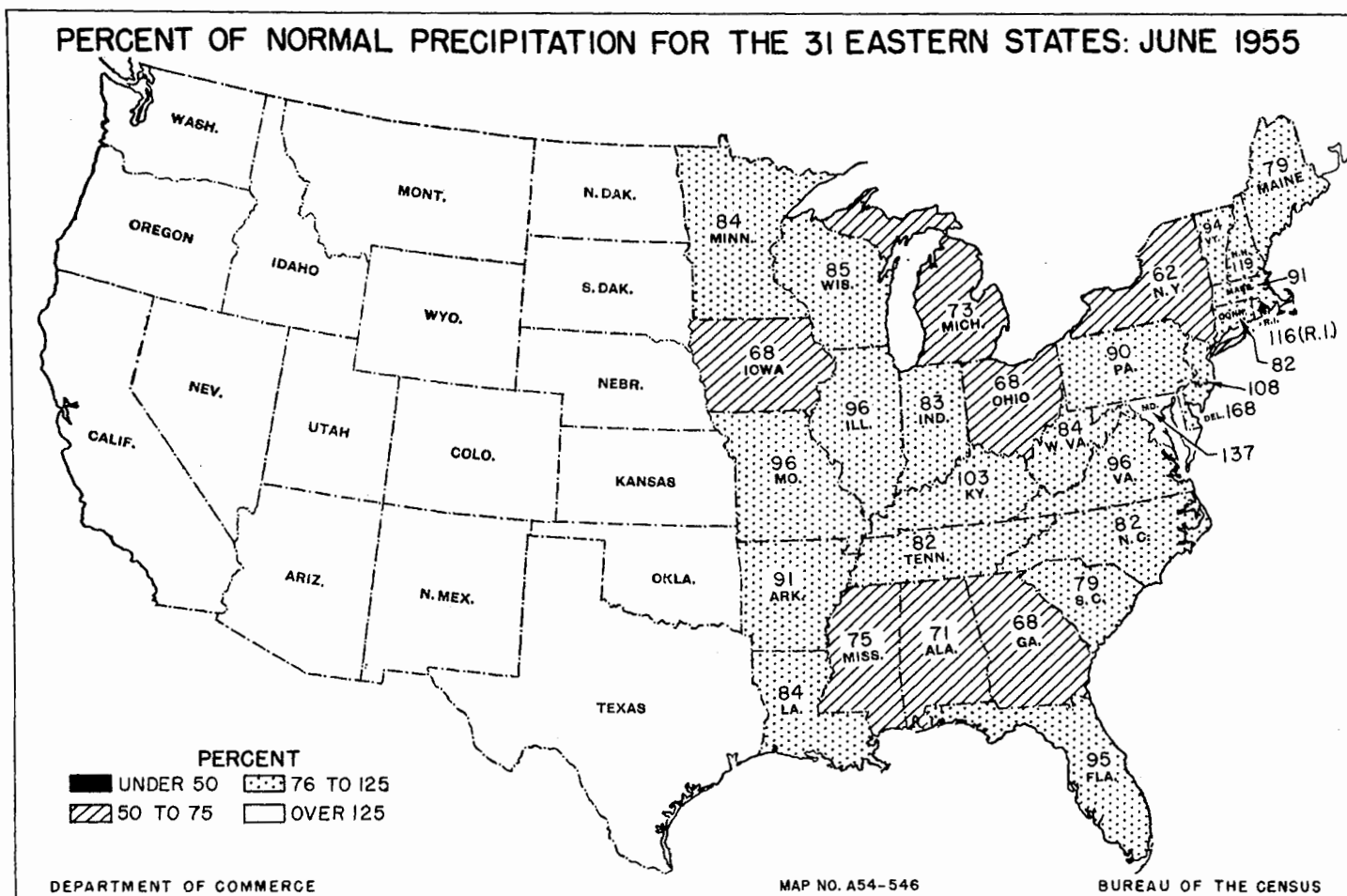


## PERCENT OF NORMAL PRECIPITATION FOR THE 31 EASTERN STATES: AUGUST 1954

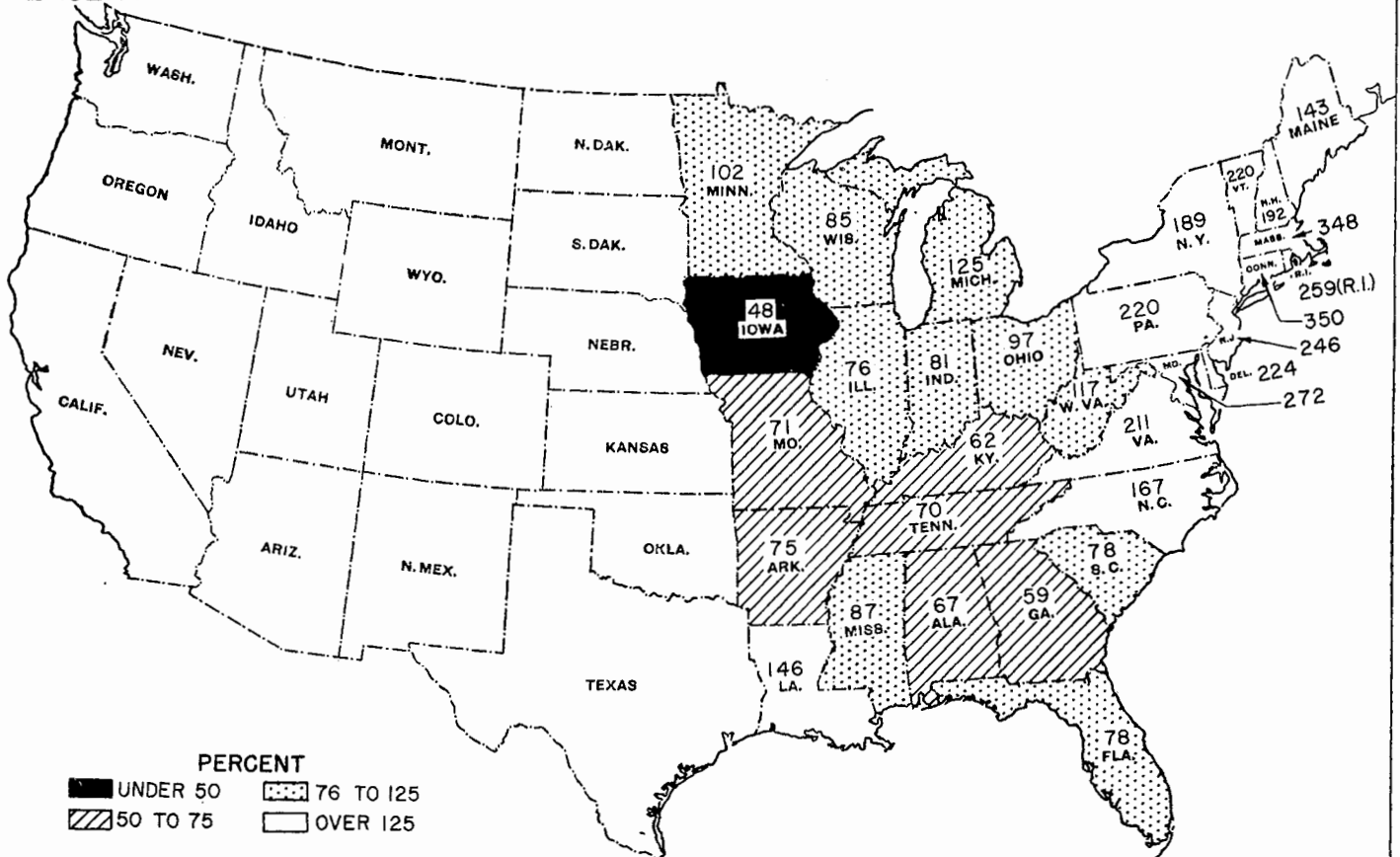


## PERCENT OF NORMAL PRECIPITATION FOR THE 31 EASTERN STATES: SEPTEMBER 1954

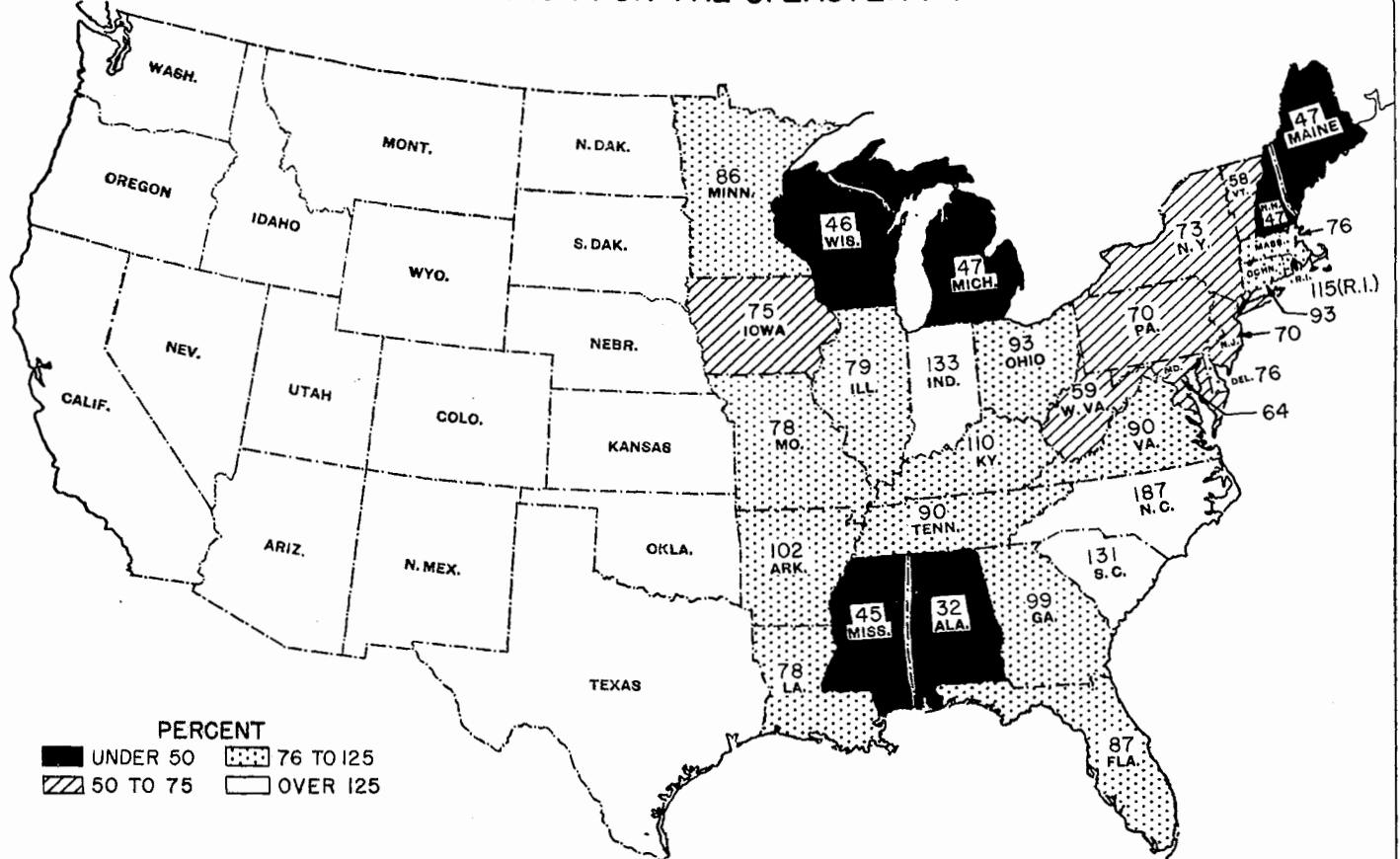




## PERCENT OF NORMAL PRECIPITATION FOR THE 31 EASTERN STATES: AUGUST 1955



## PERCENT OF NORMAL PRECIPITATION FOR THE 31 EASTERN STATES: SEPTEMBER 1955



## IRRIGATION IN HUMID AREAS

Budget Bureau No. 41-5548.1; Approval Expires May 31, 1956

Form A16  
(11-22-55)U.S. DEPARTMENT OF COMMERCE  
BUREAU OF THE CENSUSSURVEY OF IRRIGATION IN HUMID AREAS  
1955**CONFIDENTIAL** - This inquiry is authorized by Act of Congress (Title 13, U.S.C. Section 146) which requires that a report be made. The information furnished is accorded confidential treatment subject to provision of law. This report will be used for statistical purposes only and cannot be used for purposes of taxation, investigation, or regulation.1. Name  
and  
address  
(Street,  
City,  
Zone,  
State)2. In what year was irrigation begun on  
the place you operated in 1955?..... Year3. Check the source or sources of water used  
for irrigation —  
☐ Wells  
☐ Natural streams or rivers  
☐ Natural lakes or ponds  
☐ Springs, seepage, farm run-off (not streams)  
☐ City, town, or community water supply

Name \_\_\_\_\_

☐ Irrigation or drainage district or company

Name \_\_\_\_\_

☐ Other. Describe \_\_\_\_\_4. Were there any constructed reservoirs,  
dams, excavations, etc. for storing  
irrigation water on this place? .....  
☐ No  
☐ Yes5. (a) What was the largest acreage  
irrigated on this place in any  
one year?..... Acres

(b) In what year?..... Year

6. Check the methods used to apply water to the land—

- ☐
- Portable pipe and sprinkler
- 
- ☐
- Fixed overhead irrigation
- 
- ☐
- Portable gated pipe
- 
- ☐
- Ditches and furrows
- 
- ☐
- Flooding
- 
- ☐
- Other. Describe \_\_\_\_\_

7. How many pumps did you use for  
irrigation?..... Number

8. Check the sources of power used for pumping—

- ☐
- Tractor
- 
- ☐
- Electric motor
- 
- ☐
- Other motors or engines

9. Give below the following for each crop irrigated:

Name of crop irrigated	Acres irrigated		No. of times irrigated	
	1954	1955	1954	1955
(a)				
(b)				
(c)				
(d)				
(e)				
(f)				
(g)				
(h)				
(i)				
(j) Pasture				
(k) Nursery and flower crops				

10. Has anyone challenged the legality of  
your rights to the water you have  
used for irrigation?.....  
☐ No  
☐ Yes11. This question to be answered only if irrigation  
began in 1946 or later (Exclude labor of yourself  
and family):

- (a) What was the cost of irrigation
- 
- equipment now used on this place?
- 
- (Include cost of pumps, pipe,
- 
- sprinkler equipment, motors and
- 
- tractors used solely for pumping). \$ \_\_\_\_\_
- 
- (b) What was the cost of land level-
- 
- ing and ditching for irrigation?.. \$ \_\_\_\_\_
- 
- (c) What was the cost of constructing
- 
- reservoirs and dams for storing
- 
- water and drilling wells for
- 
- irrigation purposes?..... \$ \_\_\_\_\_

Remarks

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
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# SUMMARY TABLES

(XLVII)

Table I.—FARMS REPORTING ACRES IRRIGATED AND COST OF IRRIGATION SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS BY SOURCE OF WATER, METHOD OF IRRIGATION, AND LARGEST ACREAGE IRRIGATED, FOR THE 28 STATES: 1955

Item	Number of farms	Largest acreage in any year	Total cost			Cost of irrigation equipment			Cost of leveling and ditching			Cost of constructing reservoirs, etc., for storing water and for drilling wells					
			Dollars	Per farm (dollars)	Per largest acreage irrigated (dollars)	Farms re- port- ing	Dollars	Per farm re- port- ing (dollars)	Per largest acreage irrigated (dollars)	Farms re- port- ing	Dollars	Per farm re- port- ing (dollars)	Per largest acreage irrigated (dollars)	Farms re- port- ing	Dollars	Per farm re- port- ing (dollars)	Per largest acreage irrigated (dollars)
Farms reporting source of water as wells only.....	650	45,284	5,212,391	8,019	115	650	3,614,236	5,560	80	119	206,851	1,738	4.57	649	1,391,304	2,144	30.72
Portable pipe and sprinkler only..	490	21,821	3,539,449	7,223	162	490	2,649,031	5,406	121	22	17,098	777	0.78	490	873,320	1,782	40.02
1 to 9 acres irrigated.....	108	462	201,228	1,863	436	108	146,264	1,354	317	3	370	123	0.80	108	54,594	506	118.17
10 to 19 acres irrigated.....	80	1,090	324,631	4,058	298	80	233,695	2,921	214	5	2,700	540	2.48	80	88,236	1,103	80.95
20 to 29 acres irrigated.....	49	1,133	252,055	5,144	222	49	180,826	3,690	160	2	1,625	812	1.43	49	69,604	1,420	61.43
30 to 49 acres irrigated.....	76	2,803	474,120	6,238	169	76	382,607	5,034	136	2	308	154	0.11	76	91,205	1,200	32.54
50 to 99 acres irrigated.....	105	7,235	1,077,471	10,262	149	105	824,039	7,848	114	5	3,300	660	0.46	105	250,132	2,382	34.57
100 to 199 acres irrigated.....	53	6,042	798,228	15,061	132	53	577,967	10,905	96	3	6,995	2,332	1.16	53	213,266	4,024	35.30
200 to 499 acres irrigated.....	10	2,036	249,616	24,962	123	10	189,833	18,983	93	2	1,800	900	0.88	10	57,983	5,798	28.48
500 to 999 acres irrigated.....	2	1,020	42,000	21,000	41	2	24,000	12,000	24	...	...	...	...	2	18,000	9,000	17.65
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported...	7	...	120,100	17,157	...	7	89,800	12,829	...	...	...	...	...	7	30,300	4,329	...
Ditches only.....	24	4,053	242,112	10,088	60	24	95,034	3,960	23	18	41,833	2,324	10.32	24	105,245	4,385	25.97
1 to 9 acres irrigated.....	3	15	3,385	1,128	226	3	2,540	847	169	1	15	15	1.00	3	830	277	55.33
10 to 19 acres irrigated.....	2	26	1,864	932	72	2	984	492	38	...	...	...	...	2	880	440	33.85
20 to 29 acres irrigated.....	1	28	1,400	1,400	50	1	1,000	1,000	36	...	...	...	...	1	400	400	14.29
30 to 49 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 to 99 acres irrigated.....	7	403	33,524	4,789	83	7	7,240	1,034	18	6	2,206	368	5.47	7	24,078	3,440	59.75
100 to 199 acres irrigated.....	5	720	51,775	10,355	72	5	21,850	4,370	30	5	10,600	2,120	14.72	5	19,325	3,865	26.84
200 to 499 acres irrigated.....	3	741	16,150	5,383	22	3	6,850	2,283	9	3	4,700	1,567	6.34	3	4,600	1,533	6.21
500 to 999 acres irrigated.....	3	2,120	134,014	44,671	63	3	54,570	18,190	26	3	24,312	8,104	11.47	3	55,132	18,377	26.01
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Flooding and combinations with other methods.....	28	5,510	229,099	8,182	42	28	103,360	3,691	19	22	42,498	1,932	7.71	27	83,241	3,083	15.11
1 to 9 acres irrigated.....	1	1	1,200	1,200	1,200	1	1,000	1,000	1,000	...	...	...	...	...	200	200	200.00
10 to 19 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20 to 29 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30 to 49 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 to 99 acres irrigated.....	8	490	17,280	2,160	35	8	10,800	1,350	22	6	2,580	430	5.27	7	3,900	557	7.96
100 to 199 acres irrigated.....	2	259	17,700	8,850	68	2	6,500	3,250	25	2	4,000	2,000	15.44	2	7,200	3,600	27.80
200 to 499 acres irrigated.....	15	3,160	100,919	6,728	32	15	34,280	2,285	11	12	16,698	1,392	5.28	15	49,941	3,329	15.80
500 to 999 acres irrigated.....	1	600	22,000	22,000	37	1	8,000	8,000	13	1	2,000	2,000	3.33	1	12,000	12,000	20.00
1,000 acres and over.....	1	1,000	70,000	70,000	70	1	42,780	42,780	43	1	17,220	17,220	17.22	1	10,000	10,000	10.00
Acres irrigated not reported...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All other methods and combinations of methods except flooding.....	108	13,900	1,201,731	11,127	86	108	766,811	7,100	55	57	105,422	1,850	7.58	108	329,498	3,051	23.70
1 to 9 acres irrigated.....	30	108	46,449	1,548	430	30	37,402	1,247	346	4	5,195	1,299	48.10	30	3,852	128	35.67
10 to 19 acres irrigated.....	9	108	89,676	9,964	830	9	75,447	8,383	699	3	1,300	433	12.04	9	12,929	1,437	119.71
20 to 29 acres irrigated.....	10	244	156,792	15,679	643	10	128,527	12,853	527	3	1,350	450	5.53	10	26,915	2,692	110.31
30 to 49 acres irrigated.....	9	318	86,735	9,637	273	9	30,480	3,387	96	7	11,655	1,665	36.65	9	44,600	4,956	140.25
50 to 99 acres irrigated.....	15	1,030	119,090	7,939	116	15	74,685	4,979	73	9	9,405	1,045	9.13	15	35,000	2,333	33.98
100 to 199 acres irrigated.....	11	2,903	121,637	11,058	42	11	67,630	6,148	23	10	9,540	954	3.29	11	44,467	4,042	15.32
200 to 499 acres irrigated.....	19	4,841	342,632	18,033	71	19	191,680	10,088	40	18	48,977	2,721	10.12	19	101,975	5,367	21.06
500 to 999 acres irrigated.....	3	2,248	181,000	60,333	81	3	130,000	43,333	58	3	18,000	6,000	8.01	3	33,000	11,000	14.68
1,000 acres and over.....	1	2,100	45,000	45,000	21	1	20,000	20,000	10	...	...	...	...	1	25,000	25,000	11.90
Acres irrigated not reported...	1	...	12,720	12,720	...	1	10,960	10,960	...	...	...	...	...	1	1,760	1,760	...
Farms reporting source of water as streams and lakes only.....	3,432	146,326	15,863,137	4,622	108	3,409	13,559,537	3,978	93	303	231,770	765	1.58	1,232	2,071,830	1,682	14.16
Portable pipe and sprinkler only..	3,101	125,030	14,532,691	4,686	116	3,098	12,474,413	4,027	100	165	105,031	637	0.84	1,141	1,953,247	1,712	15.62
1 to 9 acres irrigated.....	683	3,264	1,355,749	1,985	415	683	1,198,403	1,755	367	24	5,510	230	1.69	180	151,836	844	46.52
10 to 19 acres irrigated.....	549	7,337	1,759,911	3,206	240	548	1,489,442	2,718	203	22	8,827	401	1.20	218	261,642	1,200	35.66
20 to 29 acres irrigated.....	458	10,501	1,779,725	3,886	169	458	1,488,799	3,251	142	26	12,932	497	1.23	184	277,994	1,511	26.47
30 to 49 acres irrigated.....	568	20,428	2,425,452	4,270	119	567	2,026,538	3,574	99	26	7,280	280	0.36	217	391,634	1,805	19.17
50 to 99 acres irrigated.....	528	34,345	3,506,001	6,640	102	528	3,070,104	5,815	89	36	17,142	476	0.50	208	418,755	2,013	12.19
100 to 199 acres irrigated.....	218	26,812	2,120,689	9,728	79	217	1,782,966	8,216	66	16	26,300	1,644	0.98	100	311,423	3,114	11.62
200 to 499 acres irrigated.....	69	19,693	1,350,429	19,571	69	69	1,202,153	17,423	61	12	21,760	1,813	1.10	25	126,516	5,061	6.42
500 to 999 acres irrigated.....	4	2,650	127,000	31,750	48	4	118,520	29,630	45	1	3,480	3,480	1.31	2	5,000	2,500	1.89
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported...	24	...	107,735	4,489	...	24	97,488	4,062	...	2	1,800	900	...	7	8,447	1,207	...
Ditches only.....	85	2,653	100,316	1,180	38	73	76,625	1,050	29	46	10,846	236	4.09	22	12,845	584	4.84
1 to 9 acres irrigated.....	43	109	15,441	359	142	33	8,940	271	82	17	1,726	102	15.83	13	4,775	367	43.81
10 to 19 acres irrigated.....	8	85	5,805	726	68	6	3,875	646	46	4	330	82	3.88	2	1,600	800	18.82
20 to 29 acres irrigated.....	9	208	8,895	988	43	9	8,175	908	39	6	575	96	2.76	3	145	48	0.70
30 to 49 acres irrigated.....	6	202	6,172	1,029	31	6	5,172	862	26	3	675	225	3.34	2	325	162	1.61
50 to 99 acres irrigated.....																	

# IRRIGATION IN HUMID AREAS

XLIX

Table I.—FARMS REPORTING ACRES IRRIGATED AND COST OF IRRIGATION SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS BY SOURCE OF WATER, METHOD OF IRRIGATION, AND LARGEST ACREAGE IRRIGATED, FOR THE 28 STATES, 1955 —Continued

Item	Number of farms	Largest acreage in any year	Total cost			Cost of irrigation equipment			Cost of leveling and ditching			Cost of constructing reservoirs, etc., for storing water and for drilling wells					
			Dollars	Per farm (dollars)	Per largest acreage irrigated (dollars)	Farms reporting	Dollars	Per farm reporting (dollars)	Per largest acreage irrigated (dollars)	Farms reporting	Dollars	Per farm reporting (dollars)	Per largest acreage irrigated (dollars)	Farms reporting	Dollars	Per farm reporting (dollars)	Per largest acreage irrigated (dollars)
Farms reporting source of water as streams and lakes only—Continued																	
Flooding and combinations with other methods—Continued																	
50 to 99 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100 to 199 acres irrigated.....	10	1,112	27,155	2,716	24	9	10,355	1,151	9	6	6,500	1,083	5.85	2	10,300	5,150	9.26
200 to 499 acres irrigated.....	6	1,361	36,300	6,050	27	6	29,800	4,967	22	6	6,500	1,083	4.78	...	...	...	...
500 to 999 acres irrigated.....	2	1,061	13,670	6,835	13	2	10,127	5,064	10	2	3,543	1,772	3.34	...	...	...	...
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All other methods and combinations of methods except flooding.....	192	14,624	1,129,403	5,882	77	187	937,305	5,012	64	70	98,710	1,410	6.75	63	93,388	1,482	6.39
1 to 9 acres irrigated.....	64	256	91,587	1,431	358	63	73,060	1,160	285	16	9,725	608	37.99	15	8,802	587	34.38
10 to 19 acres irrigated.....	24	309	82,737	3,447	268	22	72,145	3,279	233	5	1,730	346	5.60	9	8,862	985	28.68
20 to 29 acres irrigated.....	19	393	57,722	3,038	147	17	39,647	2,332	101	13	7,705	593	19.61	9	10,370	1,152	26.39
30 to 49 acres irrigated.....	15	565	120,815	8,054	214	15	100,205	6,680	177	5	9,000	1,800	15.93	6	11,610	1,935	20.55
50 to 99 acres irrigated.....	25	1,677	147,433	5,897	88	25	117,704	4,708	70	8	10,930	1,366	6.52	11	18,799	1,709	11.21
100 to 199 acres irrigated.....	28	3,979	245,195	8,757	62	28	204,910	7,318	51	13	21,900	1,685	5.50	8	18,385	2,298	4.62
200 to 499 acres irrigated.....	10	3,605	171,060	17,106	47	10	142,550	14,255	40	5	12,000	2,400	3.33	4	16,510	4,128	4.58
500 to 999 acres irrigated.....	6	3,840	212,479	35,413	55	6	186,709	31,118	49	5	25,720	5,144	6.70	1	50	50	0.01
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported....	1	...	375	375	...	1	375	375	...	...	...	...	...	...	...	...	...
Farms reporting source of water as springs only.....	1,303	32,439	6,555,731	5,031	202	1,294	4,639,366	3,585	143	111	68,604	618	2.11	1,303	1,847,761	1,418	56.96
Portable pipe and sprinkler only.....	1,232	30,537	6,294,692	5,109	206	1,232	4,478,680	3,635	147	82	54,437	664	1.78	1,232	1,761,575	1,430	57.69
1 to 9 acres irrigated.....	400	2,174	1,054,581	2,636	485	400	696,966	1,742	321	19	4,007	211	1.84	400	353,608	884	162.65
10 to 19 acres irrigated.....	317	4,175	1,234,190	3,893	296	317	871,509	2,749	209	25	7,579	303	1.82	317	355,102	1,120	85.05
20 to 29 acres irrigated.....	179	4,215	915,953	5,117	217	179	619,681	3,462	147	16	5,217	326	1.24	179	291,055	1,626	69.05
30 to 49 acres irrigated.....	166	6,026	1,088,392	6,557	181	166	772,833	4,656	128	11	13,117	1,192	2.18	166	302,442	1,822	50.19
50 to 99 acres irrigated.....	122	8,213	1,228,419	10,069	150	122	900,508	7,381	110	10	24,122	2,412	2.94	122	303,789	2,490	36.99
100 to 199 acres irrigated.....	33	4,072	539,757	16,356	133	33	441,553	13,380	108	1	395	395	0.10	33	97,809	2,964	24.02
200 to 499 acres irrigated.....	7	1,662	178,950	25,564	108	7	133,750	19,107	80	...	...	...	...	7	45,200	6,457	27.20
500 to 999 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported....	8	...	54,450	6,806	...	8	41,880	5,235	...	...	...	...	...	8	12,570	1,571	...
Ditches only.....	18	60	20,477	1,138	341	10	7,010	701	117	16	4,152	260	69.20	18	9,315	518	155.25
1 to 9 acres irrigated.....	15	25	12,425	828	497	8	2,560	320	102	13	2,800	215	112.00	15	7,065	471	282.60
10 to 19 acres irrigated.....	1	13	5,902	5,902	454	1	3,600	3,600	277	1	702	702	54.00	1	1,600	1,600	123.08
20 to 29 acres irrigated.....	1	22	950	950	43	1	850	850	39	1	50	50	2.27	1	50	50	2.27
30 to 49 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 to 99 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100 to 199 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200 to 499 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500 to 999 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported....	1	...	1,200	1,200	...	...	...	...	...	1	600	600	...	1	600	600	...
Flooding and combinations with other methods.....	5	165	16,265	3,253	99	5	12,005	2,401	73	1	100	100	0.61	5	4,160	832	25.21
1 to 9 acres irrigated.....	2	5	1,150	575	230	2	1,005	502	201	...	...	...	...	2	145	72	29.00
10 to 19 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20 to 29 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30 to 49 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 to 99 acres irrigated.....	3	160	15,115	5,038	94	3	11,000	3,667	69	1	100	100	0.63	3	4,015	1,338	25.09
100 to 199 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200 to 499 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500 to 999 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All other methods and combinations of methods except flooding.....	48	1,677	224,297	4,673	134	47	141,671	3,014	84	12	9,915	826	5.91	48	72,711	1,515	43.36
1 to 9 acres irrigated.....	27	87	58,607	2,171	674	27	39,131	1,449	450	7	1,805	258	20.75	27	17,671	654	203.11
10 to 19 acres irrigated.....	8	102	33,430	4,179	328	8	23,900	2,988	234	1	400	400	3.92	8	9,130	1,141	89.51
20 to 29 acres irrigated.....	5	99	31,320	6,264	316	4	5,820	1,455	59	1	1,500	1,500	15.15	5	24,000	4,800	242.42
30 to 49 acres irrigated.....	2	79	9,520	4,760	121	2	6,800	3,400	86	1	610	610	7.72	2	2,110	1,055	26.71
50 to 99 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100 to 199 acres irrigated.....	3	410	25,820	8,607	63	3	22,020	7,340	54	1	600	600	1.46	3	3,200	1,067	7.80
200 to 499 acres irrigated.....	3	900	65,600	21,867	73	3	44,000	14,667	49	1	5,000	5,000	5.56	3	16,600	5,533	18.44
500 to 999 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Farms reporting source of water as all other sources..	1,029	71,105	7,914,421	7,691	111	1,029	5,664,205	5,505	80	160	39,263	1,995	4.49	712	1,930,953	2,712	27.16
Portable pipe and sprinkler only.....	857	44,880	6,187,387	7,220	138	857	4,715,280	5,502	105	82	110,148	1,343	2.45	603	1,361,959	2,259	30.35
1 to 9 acres irrigated.....	183	890	297,451	1,625	334	183	228,812	1,250	257	8	7,966	996	8.95	91	60,673	667	68.17
10 to 19 acres irrigated.....	134	1,809	396,300	2,957	219	134	298,905	2,321	165	16	5,635	352	3.11	90	91,760	1,020	50.72
20 to 29 acres irrigated.....	125	2,937	549,319	4,395	187	125	415,546	3,324	141	13	9,404	723	3.20	94	124,369	1,323	42.35
30 to 49 acres irrigated.....	124	4,694	857,078	6,912	183	124	647,224	5,220	138	15	6,742	449	1.44	82	203,112	2,477	43.27
50 to 99 acres irrigated.....	154	10,919	1,442,993	9,370	132	154	1,131,409	7,347	104	11	11,575	1,052	1.06	121	300,009	2,479	27.48
100 to 199 acres irrigated.....	87	11,159	1,249,404	14,361	112	87	950,										

## IRRIGATION IN HUMID AREAS

Table I.—FARMS REPORTING ACRES IRRIGATED AND COST OF IRRIGATION SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS BY SOURCE OF WATER, METHOD OF IRRIGATION, AND LARGEST ACREAGE IRRIGATED, FOR THE 28 STATES: 1955 —Continued

Item	Number of farms	Largest acreage in any year	Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells			
			Dollars	Per farm (dollars)	Per largest acreage irrigated (dollars)	Farms reporting	Dollars	Per farm reporting (dollars)	Per largest acreage irrigated (dollars)	Farms reporting	Dollars	Per farm reporting (dollars)	Per largest acreage irrigated (dollars)	Farms reporting	Dollars	Per farm reporting (dollars)	Per largest acreage irrigated (dollars)
Farms reporting source of water as all other sources—Continued																	
Ditches only.....	5	92	4,880	976	53	5	3,090	618	34	4	320	80	3.48	5	1,470	294	15.98
1 to 9 acres irrigated.....	2	6	1,650	825	275	2	950	475	158	1	200	200	33.33	2	500	250	83.33
10 to 19 acres irrigated.....	2	21	2,480	1,240	118	2	1,790	895	85	2	70	35	3.33	2	620	310	29.52
20 to 29 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30 to 49 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 to 99 acres irrigated.....	1	65	750	750	12	1	350	350	5	1	50	50	0.77	1	350	350	5.38
100 to 199 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200 to 499 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
500 to 999 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,000 acres and over.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acres irrigated not reported..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Flooding and combinations with other methods.....																	
1 to 9 acres irrigated.....	14	5,598	196,637	14,046	35	14	116,767	8,340	21	12	26,120	2,177	4.67	9	53,750	5,972	9.60
10 to 19 acres irrigated.....	1	3	50	50	17	1	50	50	17	...	...	...	...	...	...	...	...
20 to 29 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30 to 49 acres irrigated.....	2	63	3,220	1,610	51	2	3,170	1,585	50	1	50	50	0.79	...	...	...	...
50 to 99 acres irrigated.....	1	91	1,645	1,645	18	1	645	645	7	1	350	350	3.85	1	650	650	7.14
100 to 199 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200 to 499 acres irrigated.....	5	1,602	69,000	13,800	43	5	43,400	8,680	27	5	12,500	2,500	7.80	3	13,100	4,367	8.18
500 to 999 acres irrigated.....	4	2,539	78,222	19,556	31	4	49,460	12,365	19	4	7,220	1,805	2.84	4	21,542	5,386	8.48
1,000 acres and over.....	1	1,300	44,500	44,500	34	1	20,042	20,042	15	1	6,000	6,000	4.62	1	18,458	18,458	14.20
Acres irrigated not reported..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All other methods and combinations of methods except flooding.....																	
1 to 9 acres irrigated.....	153	20,535	1,525,517	9,971	74	153	829,068	5,419	40	62	182,675	2,946	8.90	95	513,774	5,408	25.02
10 to 19 acres irrigated.....	61	224	72,260	1,185	323	61	59,003	967	263	10	2,565	256	11.45	23	10,692	465	47.73
20 to 19 acres irrigated.....	16	207	83,607	5,225	404	16	65,637	4,102	317	5	5,450	1,090	26.33	5	12,520	2,504	60.48
30 to 29 acres irrigated.....	7	149	23,940	3,420	161	7	17,890	2,556	120	1	2,500	2,500	16.78	5	3,550	710	23.83
40 to 49 acres irrigated.....	22	1,061	198,709	9,032	187	22	144,684	6,577	136	7	4,025	575	3.79	17	50,000	2,941	47.13
50 to 99 acres irrigated.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
100 to 199 acres irrigated.....	13*	1,908	62,888	4,838	33	13	26,333	2,026	14	12	12,713	1,059	6.66	12	23,842	1,987	12.50
200 to 499 acres irrigated.....	22	6,250	350,839	15,947	56	22	235,307	10,696	38	18	41,162	2,287	6.59	22	74,370	3,380	11.90
500 to 999 acres irrigated.....	9	5,639	416,864	46,318	74	9	113,584	12,620	20	7	76,480	10,926	13.56	9	226,800	25,200	40.22
1,000 acres and over.....	2	5,097	316,400	158,200	62	2	166,620	83,310	33	2	37,780	18,890	7.41	2	112,000	56,000	21.97
Acres irrigated not reported..	1	...	10	10	...	1	10	10	...	...	...	...	...	...	...	...	...

Table II.—YEAR IRRIGATION BEGAN, SOURCE OF WATER, COST OF IRRIGATION FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS AND USE OF CONSTRUCTED RESERVOIRS, BY LARGEST ACREAGE IRRIGATED, FOR THE 28 STATES: 1955

Item	Total	Farms reporting largest acreage irrigated in any year as—										Acres not reported
		1 to 9 acres	10 to 19 acres	20 to 29 acres	30 to 49 acres	50 to 99 acres	100 to 199 acres	200 to 499 acres	500 to 999 acres	1,000 acres and over		
Farms reporting.....	3,165	765	637	474	474	463	214	88	19	3	28	
Largest acreage irrigated.....	141,825	3,982	8,491	11,019	17,348	29,730	27,581	26,744	14,865	2,065	...	
Farms reporting by year began irrigation:												
1954 to 1955.....	1,429	411	325	212	184	181	77	30	3	...	6	
1951 to 1953.....	1,007	214	199	147	162	159	74	36	9	1	6	
1946 to 1950.....	729	140	113	115	128	123	63	22	7	2	16	
Farms reporting by source of water:												
Wells only.....	142	29	21	13	16	24	21	11	3	1	3	
Streams only.....	1,106	180	209	177	199	201	90	40	2	1	7	
Lakes only.....	49	16	9	10	10	4	...	...	...	...	...	
Springs only.....	1,277	434	318	183	164	125	34	8	...	...	11	
All other sources.....	591	106	80	91	85	109	69	29	14	1	7	
Total cost..... dollars...												
Irrigation equipment.....dollars...	21,354,549	1,908,096	2,602,231	2,427,743	3,185,546	4,377,425	3,077,234	2,286,409	1,189,654	88,500	211,711	
Leveling and ditching.....dollars...	15,107,853	1,283,908	1,840,846	1,660,620	2,195,782	3,298,331	2,266,588	1,711,839	636,954	59,500	153,485	
Constructing reservoirs, etc., for storing water and for drilling wells.....dollars...	397,618	22,613	21,430	26,231	38,637	51,759	70,785	52,745	107,033	5,000	1,385	
Average cost per farm:												
Total cost.....dollars...	6,747	2,494	4,085	5,122	6,721	9,454	14,380	25,982	62,613	29,500	7,561	
Irrigation equipment.....dollars...	4,773	1,678	2,890	3,503	4,632	7,124	10,592	19,453	33,524	19,833	5,482	
Leveling and ditching.....dollars...	126	30	34	55	82	112	331	599	5,633	1,667	49	
Constructing reservoirs, etc., for storing water and for drilling wells.....dollars...	1,848	786	1,162	1,563	2,007	2,219	3,457	5,930	23,456	8,000	2,030	
Average cost per largest acreage irrigated:												
Total cost.....dollars...	151	479	306	220	184	147	112	85	80	43	...	
Irrigation equipment.....dollars...	107	322	217	151	127	111	82	64	43	29	...	
Leveling and ditching.....dollars...	2.80	5.68	2.52	2.38	2.23	1.74	2.57	1.97	7.20	2.42	...	
Constructing reservoirs, etc., for storing water and for drilling wells.....dollars...	41.24	151.07	87.15	67.24	54.83	34.56	26.83	19.51	29.98	11.62	...	

# IRRIGATION IN HUMID AREAS

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**Table III.—FARMS REPORTING LEGAL RIGHT TO USE OF WATER QUESTIONED, BY SOURCE OF WATER, YEAR IRRIGATION BEGAN, USE OF CONSTRUCTED RESERVOIRS, AND LARGEST ACREAGE IRRIGATED, FOR THE 28 STATES: 1954**

Item	Number of farms reporting legal right to use of water questioned	Item	Number of farms reporting legal right to use of water questioned
Total, 28 States.....	306	By use of constructed reservoirs:	
By source of water:		Reporting constructed reservoirs.....	177
Wells only.....	17	Not reporting constructed reservoirs.....	129
Streams only.....	135	By largest acreage irrigated:	
Streams and all other sources.....	39	1 to 9 acres.....	61
Natural lakes and ponds only.....	27	10 to 19 acres.....	39
Natural lakes and ponds and other sources.....	3	20 to 29 acres.....	33
Springs only.....	49	30 to 49 acres.....	54
All other sources and sources not reported.....	36	50 to 99 acres.....	61
By year irrigation began:		100 to 199 acres.....	28
1954 to 1955.....	84	200 to 499 acres.....	24
1951 to 1953.....	69	500 to 999 acres.....	4
1946 to 1950.....	47	1,000 acres and over.....	...
1941 to 1945.....	24	Acreage not reported.....	5
1940 and earlier.....	19		
Year not reported.....	63		

**Table IV.—FARMS REPORTING COST OF IRRIGATION SYSTEMS, CLASSIFIED BY TOTAL COST AND LARGEST ACREAGE IRRIGATED, FOR THE 28 STATES: 1954**

Total cost of irrigation system	Total	Farms reporting largest acreage irrigated as—														200 acres and over		Acres not reported	
		1 to 9 acres		10 to 19 acres		20 to 29 acres		30 to 49 acres		50 to 99 acres		100 to 199 acres							
		Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total		
Total, 28 States....	6,414	1,644	25.6	1,155	18.0	866	13.5	997	15.5	979	15.3	469	7.3	248	3.9	56	0.9		
Under \$1,000.....	698	544	77.9	72	10.3	32	4.6	21	3.0	17	2.4	1	0.1	1	0.1	10	1.4		
\$1,000 to \$1,999.....	923	476	51.6	235	25.5	107	11.6	68	7.4	22	2.4	9	1.0	1	0.1	5	0.5		
\$2,000 to \$2,999.....	961	284	29.6	260	27.1	178	18.5	151	15.7	64	6.7	13	1.4	3	0.3	8	0.8		
\$3,000 to \$3,999.....	880	168	19.1	216	24.5	157	17.8	198	22.5	119	13.5	15	1.7	...	...	7	0.8		
\$4,000 to \$4,999.....	634	72	11.4	154	24.3	124	19.6	142	22.4	98	15.5	36	5.7	3	0.5	5	0.8		
\$5,000 to \$5,999.....	524	43	8.2	92	17.6	89	17.0	118	22.5	128	24.4	41	7.8	10	1.9	3	0.6		
\$6,000 to \$6,999.....	327	20	6.1	44	13.5	55	16.8	77	23.5	82	25.1	36	11.0	12	3.7	1	0.3		
\$7,000 to \$7,999.....	267	11	4.1	33	12.4	41	15.4	56	21.0	77	28.8	34	12.7	12	4.5	3	1.1		
\$8,000 to \$8,999.....	214	11	5.1	17	7.9	29	13.6	43	20.1	67	31.3	26	12.1	20	9.3	1	0.5		
\$9,000 to \$9,999.....	155	3	1.9	10	6.5	19	12.3	27	17.4	57	36.8	27	17.4	12	7.7	...	...		
\$10,000 to \$14,999.....	437	9	2.1	14	3.2	23	5.3	70	16.0	158	36.1	109	24.9	48	11.0	6	1.4		
\$15,000 to \$19,999.....	195	1	0.5	5	2.6	7	3.6	17	8.7	53	27.2	72	37.0	36	18.5	4	2.1		
\$20,000 to \$29,999.....	89	...	...	2	2.2	2	2.2	4	4.5	27	30.3	26	29.2	28	31.4	...	...		
\$30,000 to \$49,999.....	13	...	...	...	...	...	...	...	...	1	7.7	6	46.2	4	30.8	2	15.4		
\$50,000 and over.....	97	2	2.1	1	1.0	3	3.1	5	5.2	9	9.3	18	18.6	58	59.8	1	1.0		

**Table V.—FARMS REPORTING COST OF IRRIGATION SYSTEMS, CLASSIFIED BY TOTAL COST AND SOURCE OF WATER, FOR THE 28 STATES: 1954**

Total cost of irrigation system	Total	Farms reporting source of water as—							
		Wells only		Streams and lakes only		Springs only		Other and source not reported	
		Number	Percent of total	Number	Percent of total	Number	Percent of total		
Total, 28 States.....	6,414	650	10.1	3,432	53.5	1,303	20.3	1,029	16.0
Under \$1,000.....	698	41	5.9	437	62.6	85	12.2	135	19.3
\$1,000 to \$1,999.....	923	77	8.3	547	59.3	167	18.1	132	14.3
\$2,000 to \$2,999.....	961	64	6.7	547	56.9	220	22.9	130	13.5
\$3,000 to \$3,999.....	880	60	6.8	505	57.4	209	23.8	106	12.0
\$4,000 to \$4,999.....	634	65	10.3	308	48.6	170	26.8	91	14.4
\$5,000 to \$5,999.....	524	54	10.3	288	55.0	108	20.6	74	14.1
\$6,000 to \$6,999.....	327	33	10.1	169	51.7	82	25.1	43	13.1
\$7,000 to \$7,999.....	267	26	9.7	129	48.3	71	26.6	41	15.4
\$8,000 to \$8,999.....	214	18	8.4	115	53.7	38	17.8	43	20.1
\$9,000 to \$9,999.....	155	30	19.4	66	42.6	28	18.1	31	20.0
\$10,000 to \$14,999.....	437	85	19.4	182	41.6	81	18.5	89	20.4
\$15,000 to \$19,999.....	195	53	27.2	70	35.9	23	11.8	49	25.1
\$20,000 to \$29,999.....	89	24	27.0	29	32.6	11	12.4	25	28.1
\$30,000 to \$49,999.....	13	4	30.8	3	23.1	6	46.2	...	...
\$50,000 and over.....	97	16	16.5	37	38.1	4	4.1	40	41.2

## IRRIGATION IN HUMID AREAS

Table VI.—FARMS REPORTING COST OF IRRIGATION SYSTEMS, CLASSIFIED BY TOTAL COST AND SOURCE OF POWER, FOR THE 28 STATES: 1954

Total cost of irrigation systems	Total	Farms reporting by source of power							
		Tractor only		Electricity only		Other motors or engines only		Other power or power not reported	
		Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total
Total, 28 States.....	6,414	747	11.6	409	6.4	4,666	72.7	592	9.2
Under \$1,000.....	698	86	12.3	77	11.0	389	55.7	146	20.9
\$1,000 to \$1,999.....	923	142	15.4	64	6.9	649	70.3	68	7.4
\$2,000 to \$2,999.....	961	139	14.5	52	5.4	718	74.7	52	5.4
\$3,000 to \$3,999.....	880	114	13.0	41	4.7	675	76.7	50	5.7
\$4,000 to \$4,999.....	634	98	15.5	26	4.1	471	74.3	39	6.2
\$5,000 to \$5,999.....	524	48	9.2	30	5.7	417	79.6	29	5.5
\$6,000 to \$6,999.....	327	35	10.7	16	4.9	254	77.7	22	6.7
\$7,000 to \$7,999.....	267	26	9.7	18	6.7	205	76.8	18	6.7
\$8,000 to \$8,999.....	214	15	7.0	10	4.7	173	80.8	16	7.5
\$9,000 to \$9,999.....	155	13	8.4	8	5.2	115	74.2	19	12.3
\$10,000 to \$14,999.....	437	20	4.6	29	6.6	344	78.7	44	10.1
\$15,000 to \$19,999.....	195	10	5.1	15	7.7	139	71.3	31	15.9
\$20,000 to \$29,999.....	89	1	1.1	6	6.7	52	58.4	30	33.7
\$30,000 to \$49,999.....	13	...	...	...	...	11	84.6	2	15.4
\$50,000 and over.....	97	...	...	17	17.5	54	55.7	26	26.8

Table VII.—FARMS REPORTING COST OF IRRIGATION SYSTEMS, CLASSIFIED BY TOTAL COST AND METHOD OF APPLYING WATER, FOR THE 28 STATES: 1954

Total cost of irrigation systems	Total	Farms reporting method of applying water							
		Portable pipe and sprinkler only		Ditches only		Flooding and combinations with other methods		All other methods and combinations of methods except flooding	
		Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total
Total, 28 States.....	6,414	5,680	88.6	132	2.1	101	1.6	501	7.8
Under \$1,000.....	698	477	68.3	75	10.7	34	4.9	112	16.0
\$1,000 to \$1,999.....	923	825	89.3	26	2.8	15	1.6	57	6.2
\$2,000 to \$2,999.....	961	897	93.3	3	0.3	5	0.5	56	5.8
\$3,000 to \$3,999.....	880	830	94.3	6	0.7	2	0.2	42	4.8
\$4,000 to \$4,999.....	634	587	92.6	7	1.1	3	0.5	37	5.8
\$5,000 to \$5,999.....	524	490	93.5	5	1.0	5	1.0	24	4.6
\$6,000 to \$6,999.....	327	302	92.4	2	0.6	5	1.5	18	5.5
\$7,000 to \$7,999.....	267	246	92.1	1	0.4	5	1.9	15	5.6
\$8,000 to \$8,999.....	214	195	91.1	1	0.5	5	2.3	13	6.1
\$9,000 to \$9,999.....	155	136	87.7	1	0.6	4	2.6	14	9.0
\$10,000 to \$14,999.....	437	397	90.8	...	...	7	1.6	33	7.6
\$15,000 to \$19,999.....	195	155	79.5	2	1.0	5	2.6	33	16.9
\$20,000 to \$29,999.....	89	63	70.8	2	2.2	4	4.5	20	22.5
\$30,000 to \$49,999.....	13	13	100.0	...	...	...	...	...	...
\$50,000 and over.....	97	67	69.1	1	1.0	2	2.1	27	27.8

Table VIII.—FARMS REPORTING COST OF IRRIGATION SYSTEMS, CLASSIFIED BY TOTAL COST AND USE OF CONSTRUCTED STORAGE: 1954

Total cost of irrigation systems	Total	Farms reporting		Farms not reporting as to constructed storage	Total cost of irrigation systems	Total	Farms reporting		Farms not reporting as to constructed storage
		Constructed storage	No constructed storage				Constructed storage	No constructed storage	
Total, 28 States.....	6,414	3,165	3,208	41					
Under \$1,000.....	698	159	533	6	\$7,000 to \$7,999.....	267	178	88	1
\$1,000 to \$1,999.....	923	341	575	7	\$8,000 to \$8,999.....	214	143	71	...
\$2,000 to \$2,999.....	961	426	528	7	\$9,000 to \$9,999.....	155	99	54	2
\$3,000 to \$3,999.....	880	442	435	3	\$10,000 to \$14,999.....	437	272	161	4
\$4,000 to \$4,999.....	634	368	262	4	\$15,000 to \$19,999.....	195	114	80	1
\$5,000 to \$5,999.....	524	299	221	4	\$20,000 to \$29,999.....	89	50	38	1
\$6,000 to \$6,999.....	327	194	132	1	\$30,000 to \$49,999.....	13	9	4	...
					\$50,000 and over.....	97	71	26	...

# TABLES BY STATES

(1)

## IRRIGATION IN HUMID AREAS

Table 1.—SURVEY OF IRRIGATION IN HUMID AREAS: FARMS REPORTING AND ACRES IRRIGATED AS COMPARED WITH 1954 CENSUS OF AGRICULTURE

State	1954 Census of Agriculture		Survey of irrigation in humid areas				State	1954 Census of Agriculture		Survey of irrigation in humid areas			
	Farms reporting land irrigated in 1954	Acres irrigated in 1954	Farms reporting land irrigated in 1954		Acres irrigated in 1954			Farms reporting land irrigated in 1954	Acres irrigated in 1954	Farms reporting land irrigated in 1954		Acres irrigated in 1954	
			Total	Percent of farms reporting for Census of Agriculture	Total	Percent of acres reported for Census of Agriculture				Total	Percent of farms reporting for Census of Agriculture	Total	Percent of acres reported for Census of Agriculture
Total, 28 States	21,426	587,978	13,664	64	545,671	93	Michigan.....	1,408	23,473	1,040	74	20,605	88
Maine.....	87	1,097	33	38	428	39	Minnesota.....	347	9,207	254	73	7,423	81
New Hampshire.....	61	942	48	79	710	75	Iowa.....	132	2,396	83	63	1,996	83
Vermont.....	55	689	17	31	299	43	Missouri.....	752	32,998	558	74	33,315	101
Massachusetts.....	1,366	22,683	438	32	9,627	42	Delaware.....	81	5,553	59	73	5,180	93
Rhode Island.....	43	1,009	36	84	968	96	Maryland.....	235	8,344	153	65	7,247	87
Connecticut.....	405	11,975	301	74	12,397	104	Virginia.....	763	21,805	522	68	22,887	105
New York.....	1,675	59,024	1,191	71	52,467	89	West Virginia.....	62	1,381	29	47	1,104	80
New Jersey.....	1,775	58,912	1,312	74	50,855	86	North Carolina.....	2,704	25,423	1,547	57	27,135	107
Pennsylvania.....	883	17,950	644	73	16,792	94	South Carolina.....	748	22,009	475	64	21,524	98
Ohio.....	847	15,379	616	73	13,786	90	Georgia.....	1,268	23,873	801	63	24,681	103
Indiana.....	443	11,738	340	77	12,901	110	Kentucky.....	1,226	13,434	802	65	13,351	99
Illinois.....	266	6,789	168	63	5,351	79	Tennessee.....	1,094	22,548	712	65	23,000	102
Wisconsin.....	545	18,199	266	49	10,490	58	Alabama.....	452	16,698	322	71	15,409	93
							Mississippi.....	1,703	132,490	897	53	133,743	101

Table 2.—PERCENT OF NORMAL PRECIPITATION BY MONTHS, FOR THE 28 STATES: 1954 AND 1955

State	Annual	January	February	March	April	May	June	July	August	September	October	November	December
1954													
Maine.....	142	91	138	99	129	174	153	111	173	234	128	123	151
New Hampshire.....	137	91	118	115	140	239	130	88	129	210	90	145	128
Vermont.....	122	100	143	127	138	153	122	81	107	151	86	141	122
Massachusetts.....	123	81	84	89	124	201	83	74	157	212	77	149	137
Rhode Island.....	125	72	78	83	131	159	56	108	235	210	71	129	154
Connecticut.....	108	59	61	94	117	105	56	76	150	206	70	156	134
New York.....	109	96	119	112	142	99	104	55	122	110	98	143	129
New Jersey.....	91	57	54	98	96	101	30	36	145	153	65	153	102
Pennsylvania.....	96	66	68	116	116	83	75	55	131	80	169	97	110
Ohio.....	97	85	68	106	120	57	87	89	146	53	225	55	87
Indiana.....	96	93	103	72	104	67	73	97	148	53	227	50	102
Illinois.....	96	71	96	78	117	67	89	86	150	56	196	47	127
Michigan.....	115	91	143	128	172	72	150	78	64	121	216	71	83
Wisconsin.....	119	57	67	97	213	108	144	113	85	142	165	52	63
Minnesota.....	98	105	113	109	144	106	91	93	85	116	92	49	35
Iowa.....	110	26	134	106	169	98	140	50	189	55	183	15	66
Missouri.....	87	75	82	62	94	91	67	40	134	62	182	31	155
Delaware.....	85	72	45	102	106	77	25	66	106	120	73	138	96
Maryland.....	82	76	44	107	97	77	44	58	114	55	126	94	98
Virginia.....	93	122	56	109	81	110	52	80	86	46	172	109	110
West Virginia.....	106	90	47	108	87	89	81	128	165	91	210	66	109
North Carolina.....	86	168	58	121	81	104	43	71	72	41	114	103	98
South Carolina.....	70	100	39	89	89	97	40	62	44	39	118	91	84
Georgia.....	63	66	45	65	66	81	60	60	56	50	36	113	75
Kentucky.....	90	116	64	57	94	78	72	69	115	136	110	55	126
Tennessee.....	91	192	82	75	93	90	60	54	63	78	81	63	132
Alabama.....	65	81	60	60	77	58	49	64	38	33	55	90	97
Mississippi.....	75	101	49	51	82	131	45	77	35	69	105	78	84
1955													
Maine.....	86	46	177	122	63	91	79	59	143	47	89	99	33
New Hampshire.....	97	31	150	110	78	87	119	51	192	47	167	105	36
Vermont.....	100	36	138	128	91	78	94	57	220	58	159	92	39
Massachusetts.....	116	23	110	107	110	46	91	72	348	76	236	138	27
Rhode Island.....	111	20	120	105	83	45	116	94	259	115	223	138	20
Connecticut.....	125	21	108	106	113	40	82	63	350	93	344	137	21
New York.....	102	41	105	141	87	64	62	58	189	73	248	94	51
New Jersey.....	92	20	91	119	72	38	107	24	246	70	208	70	11
Pennsylvania.....	95	32	103	133	90	50	90	58	220	70	178	86	17
Ohio.....	96	57	148	134	93	73	68	111	97	93	148	130	19
Indiana.....	108	69	133	122	104	92	83	144	81	133	166	142	21
Illinois.....	94	77	133	81	111	99	96	106	76	79	179	74	22
Michigan.....	94	78	85	112	95	84	73	92	125	47	141	112	81
Wisconsin.....	89	48	85	87	117	97	85	145	85	46	134	59	84
Minnesota.....	99	72	173	64	87	74	84	173	102	86	65	86	127
Iowa.....	73	92	119	57	134	69	68	91	48	75	65	13	45
Missouri.....	82	52	155	87	67	105	96	85	71	78	124	40	15
Delaware.....	91	16	91	110	80	47	168	32	224	76	123	63	20
Maryland.....	99	17	102	123	85	61	137	52	272	64	139	66	13
Virginia.....	98	35	120	134	101	74	96	79	211	90	85	72	31
West Virginia.....	92	53	160	166	87	83	84	76	117	59	95	77	37
North Carolina.....	100	71	87	82	105	97	82	94	167	187	82	82	25
South Carolina.....	90	122	70	49	142	122	79	97	78	131	84	98	23
Georgia.....	83	109	75	37	128	123	68	120	59	99	94	82	22
Kentucky.....	99	38	202	150	93	110	103	100	62	110	109	78	40
Tennessee.....	99	39	149	155	135	120	82	92	70	90	91	101	55
Alabama.....	90	87	104	56	160	143	71	132	67	32	96	95	41
Mississippi.....	95	82	121	73	164	105	75	140	87	45	65	93	57

## 3

Table 3.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF WATER, BY STATES: 1955

State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Total, 28 States.....	14,541	13,664	545,671	11,997	487,495	646,247	13,662	17,588	6,140
Wells and combinations of wells with other sources.....	3,699	3,454	224,048	3,389	210,034	260,962	3,657	5,979	868
Wells only.....	2,746	2,565	133,378	2,501	120,242	151,362	2,713	3,863	323
Wells and streams only.....	372	351	42,821	341	44,234	53,809	369	885	154
Wells and springs only.....	299	272	16,166	283	15,989	19,871	299	580	258
Wells, streams, and springs only.....	43	41	8,493	42	9,226	9,945	43	147	35
Wells and lakes only.....	95	90	7,229	87	5,965	7,528	95	188	44
Wells and city only.....	71	65	1,262	67	1,595	2,496	67	99	17
Wells in combinations with other sources.....	73	70	14,699	68	12,783	15,951	71	217	37
Streams and combinations of streams with other sources (except wells).....	6,728	6,398	241,052	5,121	198,272	286,049	6,607	7,754	2,662
Streams only.....	5,985	5,697	202,942	4,458	161,193	240,292	5,873	6,683	2,145
Streams and lakes only.....	177	166	10,324	152	10,345	12,674	176	239	80
Streams and springs only.....	459	441	21,848	418	20,477	25,608	453	648	391
Streams and city only.....	65	56	1,982	58	2,210	2,462	64	99	19
Streams in combination with other sources.....	42	38	3,956	35	4,047	5,013	41	85	27
Lakes and combinations of lakes with other sources (except wells and streams).....	619	560	19,353	490	18,822	24,719	613	726	166
Lakes only.....	550	494	17,340	427	16,757	22,398	544	641	118
Lakes and springs and combinations of lakes with other sources.....	69	66	2,013	63	2,065	2,321	69	85	48
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	2,643	2,462	49,488	2,244	49,191	61,335	2,580	2,888	2,386
Springs only.....	2,589	2,411	47,028	2,194	46,992	58,521	2,527	2,823	2,342
Springs and city only.....	48	45	965	45	1,043	1,257	47	58	40
Springs in combinations with other sources.....	6	6	1,495	5	1,156	1,557	6	7	4
City and combination of city with other sources (except wells, streams, lakes, and springs).....	704	649	5,694	643	5,772	6,565	66	81	...
Other sources.....	127	123	5,781	95	4,855	6,374	124	143	48
Source not reported.....	21	18	255	15	549	243	15	17	10
Maine.....	60	33	428	50	1,054	830	50	67	37
Wells and combinations of wells with other sources.....	1	1	9	1	9	10	1	1	1
Streams and combinations of streams with other sources (except wells).....	34	18	232	28	812	707	34	49	20
Streams only.....	20	12	182	18	538	533	20	27	7
Streams and lakes only.....	3	...	...	1	48	...	3	4	2
Streams and springs only.....	6	4	39	5	130	174	6	9	6
Streams and city only.....	4	2	11	3	85	...	4	8	4
Lakes and combinations of lakes with other sources (except wells and streams).....	2	...	...	2	12	...	2	2	2
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	14	8	161	11	167	84	12	13	14
Springs only.....	11	5	101	9	126	37	9	10	11
Springs and city only.....	3	3	60	2	41	47	3	3	3
City and combination of city with other sources (except wells, streams, lakes, and springs).....	9	6	26	8	54	29	1	2	...
New Hampshire.....	52	48	710	50	956	1,008	39	42	19
Wells and combinations of wells with other sources.....	4	3	33	4	37	40	4	5	2
Streams and combinations of streams with other sources (except wells).....	25	24	458	24	645	652	24	26	10
Streams only.....	19	18	304	18	400	411	18	18	7
Streams and lakes only.....	3	3	35	3	35	31	3	3	...
Streams and springs only.....	2	2	104	2	160	160	2	4	2
Lakes and combinations of lakes with other sources (except wells and streams).....	4	4	39	4	42	42	4	4	...
Lakes only.....	4	4	39	4	42	42	4	4	...
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	7	6	39	7	77	89	7	7	7
Springs only.....	7	6	39	7	77	89	7	7	7
City and combination of city with other sources (except wells, streams, lakes, and springs).....	12	11	141	11	155	185	...	...	...
Vermont.....	20	17	299	18	321	438	17	19	5
Wells and combinations of wells with other sources.....	1	...	...	1	1	1	1	1	...
Streams and combinations of streams with other sources (except wells).....	13	12	263	12	250	360	11	13	2
Streams only.....	13	12	263	12	250	360	11	13	2
Lakes and combinations of lakes with other sources (except wells and streams).....	2	2	25	2	61	65	2	2	...
Lakes only.....	2	2	25	2	61	65	2	2	...
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	3	3	11	3	9	12	3	3	3
Springs only.....	3	3	11	3	9	12	3	3	3
City and combination of city with other sources (except wells, streams, lakes, and springs).....	1	...	...	...	...	...	...	...	...

## IRRIGATION IN HUMID AREAS

Table 3.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF WATER, BY STATES:  
1955—Continued

State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Massachusetts.....	478	438	9,627	442	9,895	12,031	357	464	188
Wells and combinations of wells with other sources.....	56	52	697	51	741	892	55	86	23
Wells only.....	26	23	170	25	195	247	26	33	4
Wells and streams only.....	9	9	182	7	213	229	9	14	5
Wells and springs only.....	6	5	96	5	99	113	6	13	6
Wells and lakes only.....	5	5	57	5	62	62	5	12	3
Wells and city only.....	4	4	26	4	28	29	3	4	2
Wells in combinations with other sources.....	6	6	166	5	144	212	6	10	3
Streams and combinations of streams with other sources (except wells).....	163	151	4,649	150	4,483	6,069	159	212	69
Streams only.....	119	110	2,610	112	3,152	3,788	117	150	48
Streams and lakes only.....	8	8	390	7	188	404	8	10	1
Streams and springs only.....	14	13	243	13	240	347	13	19	13
Streams and city only.....	17	15	569	14	553	680	16	24	3
Streams in combination with other sources.....	5	5	837	4	350	850	5	9	4
Lakes and combinations of lakes with other sources (except wells and streams).....	45	41	1,727	40	1,717	1,886	45	60	10
Lakes only.....	33	29	1,307	29	1,290	1,337	33	44	2
Lakes and springs and combinations of lakes with other sources.....	12	12	420	11	427	549	12	16	8
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	93	80	1,398	87	1,682	1,915	88	96	85
Springs only.....	80	68	1,051	75	1,333	1,428	75	82	73
Springs and city only.....	13	12	347	12	349	487	13	14	12
City and combination of city with other sources (except wells, streams, lakes, and springs).....	117	110	1,122	111	1,248	1,230	7	7	...
Sources not reported.....	4	4	34	3	24	39	3	3	1
Rhode Island.....	36	36	968	30	683	1,204	31	38	15
Wells and combinations of wells with other sources.....	5	5	28	4	24	25	5	7	1
Wells only.....	3	3	21	3	21	22	3	4	...
Streams and combinations of streams with other sources (except wells).....	14	14	571	11	447	689	14	16	6
Streams only.....	12	12	391	9	257	429	12	14	6
Streams and lakes only.....	2	2	180	2	190	260	2	2	...
Lakes and combinations of lakes with other sources (except wells and streams).....	4	4	163	3	70	234	4	5	1
Lakes only.....	4	4	163	3	70	234	4	5	1
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	7	7	176	6	117	225	7	9	7
Springs only.....	6	6	96	5	37	145	6	7	6
City and combination of city with other sources (except wells, streams, lakes, and springs).....	6	6	30	6	25	31	1	1	...
Connecticut.....	328	301	12,397	309	13,056	14,579	311	434	188
Wells and combinations of wells with other sources.....	22	20	2,138	19	1,702	2,261	21	49	14
Wells only.....	8	8	123	5	21	125	7	7	2
Wells and streams only.....	3	2	12	3	17	15	3	6	1
Wells and springs only.....	5	4	187	5	214	269	5	9	5
Wells, streams, and springs only.....	2	2	1,255	2	1,164	1,264	2	18	2
Wells in combinations with other sources.....	4	4	561	4	286	588	4	9	4
Streams and combinations of streams with other sources (except wells).....	185	172	7,473	175	8,203	9,065	185	261	93
Streams only.....	133	122	3,967	124	3,812	4,620	133	150	55
Streams and lakes only.....	18	17	1,114	17	1,614	1,601	18	37	10
Streams and springs only.....	23	23	1,007	23	1,204	1,259	23	36	23
Streams and city only.....	6	5	251	6	331	338	6	10	1
Streams in combination with other sources.....	5	5	1,134	5	1,242	1,247	5	28	4
Lakes and combinations of lakes with other sources (except wells and streams).....	26	22	1,067	25	1,173	1,167	26	32	6
Lakes only.....	24	21	1,040	23	1,131	1,112	24	29	5
Lakes and springs and combinations of lakes with other sources.....	2	1	27	2	42	55	2	3	1
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	73	68	1,566	71	1,773	1,921	72	85	71
Springs only.....	67	62	1,394	65	1,604	1,710	66	79	66
Springs and city only.....	5	5	132	5	129	171	5	5	4
City and combination of city with other sources (except wells, streams, lakes, and springs).....	16	13	73	14	130	116	1	1	...
Other sources.....	1	1	15	1	15	15	1	1	...
Source not reported.....	5	5	65	4	60	34	5	5	4

# IRRIGATION IN HUMID AREAS

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Table 3.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF WATER, BY STATES:  
1955—Continued

State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
New York.....	1,284	1,191	52,467	1,231	58,474	62,474	1,133	1,533	334
Wells and combinations of wells with other sources.....	586	553	31,977	573	34,165	35,763	585	867	69
Wells only.....	485	456	26,346	477	27,896	29,188	484	656	17
Wells and streams only.....	23	23	938	21	1,164	1,189	23	58	11
Wells and springs only.....	41	38	2,214	39	2,575	2,732	41	84	30
Wells, streams, and springs only.....	5	5	433	5	472	490	5	12	4
Wells and lakes only.....	13	13	935	12	872	971	13	27	2
Wells and city only.....	10	9	488	10	486	491	10	14	1
Wells in combinations with other sources.....	9	9	623	9	700	702	9	16	4
Streams and combinations of streams with other sources (except wells).....	274	250	10,808	257	13,281	14,390	272	338	96
Streams only.....	220	201	8,345	205	9,995	11,078	219	263	63
Streams and lakes only.....	12	11	749	12	948	935	12	14	2
Streams and springs only.....	27	25	836	25	1,068	1,096	27	37	24
Streams and city only.....	7	6	368	7	414	425	7	10	3
Streams in combination with other sources.....	8	7	510	8	856	856	7	14	4
Lakes and combinations of lakes with other sources (except wells and streams).....	53	48	1,752	50	2,444	2,562	53	62	9
Lakes only.....	43	38	1,603	41	2,280	2,345	43	49	5
Lakes and springs and combinations of lakes with other sources.....	10	10	149	9	164	217	10	13	4
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	187	172	4,412	176	4,707	5,488	187	225	150
Springs only.....	183	168	4,346	173	4,642	5,402	183	221	149
Springs and city only.....	3	3	65	3	65	85	3	3	1
City and combination of city with other sources (except wells, streams, lakes, and springs).....	156	142	1,653	147	1,675	2,032	9	10	...
Other sources.....	26	24	1,759	26	2,096	2,133	26	30	10
Source not reported.....	2	2	106	2	106	106	1	1	...
New Jersey.....	1,428	1,312	50,855	1,353	57,923	60,830	1,336	1,910	576
Wells and combinations of wells with other sources.....	612	559	22,883	587	26,406	26,962	609	997	126
Wells only.....	453	418	9,979	433	10,909	11,129	451	616	35
Wells and streams only.....	61	55	7,339	59	9,151	9,301	61	171	22
Wells and springs only.....	58	51	3,060	56	3,745	3,910	58	130	51
Wells, streams, and springs only.....	5	4	311	5	476	492	5	14	4
Wells and lakes only.....	13	12	892	13	798	761	13	29	8
Wells and city only.....	15	12	175	14	205	220	14	15	1
Wells in combinations with other sources.....	7	7	1,127	7	1,122	1,149	7	22	5
Streams and combinations of streams with other sources (except wells).....	452	417	18,874	428	21,064	22,864	451	570	231
Streams only.....	373	346	14,288	351	15,949	17,227	372	439	173
Streams and lakes only.....	8	8	652	8	612	690	8	13	4
Streams and springs only.....	59	53	3,269	57	3,616	3,977	59	97	51
Streams and city only.....	10	8	206	10	296	379	10	16	2
Streams in combination with other sources.....	2	2	459	2	591	591	2	5	1
Lakes and combinations of lakes with other sources (except wells and streams).....	32	29	984	28	1,093	1,349	32	42	6
Lakes only.....	29	26	786	25	907	1,141	29	38	3
Lakes and springs and combinations of lakes with other sources.....	3	3	198	3	186	208	3	4	3
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	223	205	6,998	211	8,165	8,498	222	269	206
Springs only.....	223	205	6,998	211	8,165	8,498	222	269	206
City and combination of city with other sources (except wells, streams, lakes, and springs).....	100	94	1,012	90	1,075	1,021	14	23	...
Other sources.....	6	6	73	6	94	95	6	6	4
Source not reported.....	3	2	31	3	26	41	2	3	3
Pennsylvania.....	669	644	16,792	569	17,524	21,567	629	754	296
Wells and combinations of wells with other sources.....	81	78	1,618	73	1,534	1,942	80	131	38
Wells only.....	39	38	584	34	422	686	38	54	11
Wells and streams only.....	16	15	449	15	528	635	16	32	10
Wells and springs only.....	13	13	410	12	399	425	13	27	10
Wells, streams, and springs only.....	4	4	87	3	84	94	4	5	3
Wells and lakes only.....	2	1	27	2	32	32	2	3	2
Wells and city only.....	6	6	34	6	37	38	6	9	2
Streams and combinations of streams with other sources (except wells).....	441	423	11,666	367	12,203	14,626	435	495	161
Streams only.....	395	378	9,974	322	10,282	12,455	389	429	121
Streams and lakes only.....	2	2	34	2	60	54	2	2	2
Streams and springs only.....	38	37	1,424	38	1,647	1,775	38	55	36
Streams and city only.....	3	3	140	2	92	152	3	5	1
Streams in combination with other sources.....	3	3	94	3	122	190	3	4	1
Lakes and combinations of lakes with other sources (except wells and streams).....	5	5	1,526	4	1,869	2,561	5	11	...
Lakes only.....	5	5	1,526	4	1,869	2,561	5	11	...
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	110	108	1,779	94	1,759	2,178	104	112	94
Springs only.....	106	104	1,650	90	1,567	2,005	101	108	91
Springs and city only.....	3	3	29	3	42	23	2	3	2
City and combination of city with other sources (except wells, streams, lakes, and springs).....	29	27	100	28	104	135	2	2	...
Other sources.....	3	3	103	3	55	125	3	3	3

## IRRIGATION IN HUMID AREAS

Table 3.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF WATER, BY STATES:  
1955—Continued

State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Ohio.....	648	616	13,786	575	12,622	16,132	575	746	229
Wells and combinations of wells with other sources.....	246	232	5,549	232	5,900	6,706	245	354	61
Wells only.....	180	170	3,286	170	3,365	3,714	180	236	27
Wells and streams only.....	24	23	1,260	22	1,325	1,762	24	36	3
Wells and springs only.....	22	20	351	21	422	426	22	44	19
Wells, streams, and springs only.....	3	3	143	3	193	193	3	6	3
Wells and lakes only.....	4	4	101	4	98	102	4	8	2
Wells and city only.....	6	6	34	5	32	43	5	6	2
Wells in combinations with other sources.....	7	6	374	7	465	466	7	18	5
Streams and combinations of streams with other sources (except wells).....	207	201	5,373	177	4,377	6,283	206	242	67
Streams only.....	179	173	4,603	153	3,748	5,336	179	203	47
Streams and lakes only.....	2	2	60	1	10	60	2	2	...
Streams and springs only.....	18	18	532	16	485	727	17	26	16
Streams and city only.....	7	7	143	7	134	125	7	9	3
Lakes and combinations of lakes with other sources (except wells and streams).....	9	9	387	7	124	373	9	11	5
Lakes only.....	7	7	337	5	72	342	7	8	3
Lakes and springs and combinations of lakes with other sources.....	2	2	50	2	52	31	2	3	2
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	97	90	1,524	78	1,387	1,760	93	114	89
Springs only.....	96	89	1,520	77	1,383	1,760	92	113	88
City and combination of city with other sources (except wells, streams, lakes, and springs).....	75	70	381	68	363	460	8	8	...
Other sources.....	14	14	572	13	471	550	14	17	7
Indiana.....	348	340	12,901	262	10,357	14,999	338	445	101
Wells and combinations of wells with other sources.....	145	139	5,974	135	5,968	7,340	144	239	9
Wells only.....	130	125	2,546	120	2,193	3,024	129	191	6
Wells and streams only.....	9	9	1,267	9	1,077	1,518	9	27	1
Wells, streams, and springs only.....	2	2	2,047	2	2,520	2,520	2	16	2
Wells and city only.....	2	1	4	2	5	5	2	2	...
Streams and combinations of streams with other sources (except wells).....	123	122	5,276	75	2,918	5,824	122	128	32
Streams only.....	116	115	4,869	68	2,618	5,393	115	121	26
Streams and springs only.....	4	4	363	4	234	365	4	4	3
Streams in combination with other sources.....	3	3	44	3	66	66	3	3	3
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	54	53	525	34	529	695	53	55	47
Springs only.....	53	52	519	34	529	689	52	54	46
City and combination of city with other sources (except wells, streams, lakes, and springs).....	9	9	16	7	13	18	2	2	...
Other sources.....	17	17	1,110	11	929	1,122	17	21	13
Illinois.....	178	168	5,351	152	4,632	6,097	171	229	41
Wells and combinations of wells with other sources.....	87	84	1,716	79	1,804	2,084	87	125	7
Wells only.....	75	72	1,507	68	1,473	1,735	75	102	4
Wells and streams only.....	5	5	86	5	158	158	5	8	...
Wells and lakes only.....	2	2	39	2	81	84	2	6	1
Wells in combinations with other sources.....	4	4	74	4	92	97	4	8	1
Streams and combinations of streams with other sources (except wells).....	47	42	1,630	36	1,354	1,787	47	62	13
Streams only.....	38	34	719	28	544	835	38	40	6
Streams and lakes only.....	4	3	62	3	72	107	4	4	3
Streams and springs only.....	4	4	549	4	418	545	4	14	3
Lakes and combinations of lakes with other sources (except wells and streams).....	4	4	177	3	210	252	4	6	...
Lakes only.....	4	4	177	3	210	252	4	6	...
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	23	21	1,560	21	1,097	1,684	23	26	21
Springs only.....	22	20	360	20	297	484	22	24	21
City and combination of city with other sources (except wells, streams, lakes, and springs).....	8	8	26	8	26	25	1	1	...
Other sources.....	9	9	242	5	141	265	9	9	...

# IRRIGATION IN HUMID AREAS

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Table 3.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF WATER, BY STATES:  
1955—Continued

State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Wisconsin.....	295	266	10,490	273	12,835	13,514	289	370	99
Wells and combinations of wells with other sources.....	66	61	1,638	64	2,086	2,188	65	85	11
Wells only.....	53	49	1,225	51	1,423	1,715	52	64	4
Wells and streams only.....	3	2	23	3	358	23	3	6	1
Wells and springs only.....	3	3	60	3	41	85	3	3	3
Wells, streams, and springs only.....	1	1	12	1	6	15	1	1	1
Wells and lakes only.....	5	5	298	5	223	315	5	10	1
Streams and combinations of streams with other sources (except wells).....	121	111	5,988	112	6,721	7,623	121	160	22
Streams only.....	94	85	2,509	85	3,130	3,990	94	111	12
Streams and lakes only.....	17	16	2,581	17	2,561	2,527	17	32	2
Streams and springs only.....	8	8	688	8	701	706	8	13	6
Streams in combination with other sources.....	2	2	210	2	329	400	2	4	2
Lakes and combinations of lakes with other sources (except wells and streams).....	33	28	990	28	1,330	1,225	33	43	4
Lakes only.....	30	25	938	26	1,295	1,161	30	40	2
Lakes and springs and combinations of lakes with other sources.....	3	3	52	2	35	64	3	3	2
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	64	58	1,775	60	2,257	2,347	63	73	58
Springs only.....	64	58	1,775	60	2,257	2,347	63	73	58
City and combination of city with other sources (except wells, streams, lakes, and springs).....	5	4	42	4	50	54	1	2	...
Other sources.....	5	4	57	4	71	77	5	5	3
Source not reported.....	1	...	...	1	320	...	1	2	1
Michigan.....	1,168	1,040	20,605	1,072	23,931	27,768	1,132	1,365	447
Wells and combinations of wells with other sources.....	363	325	7,697	332	8,940	10,153	360	520	82
Wells only.....	271	242	4,834	244	5,535	6,306	269	346	26
Wells and streams only.....	36	32	1,491	34	1,683	2,237	35	71	15
Wells and springs only.....	29	25	638	29	913	863	29	48	26
Wells, streams, and springs only.....	3	3	127	3	124	129	3	6	3
Wells and lakes only.....	16	16	479	16	588	465	16	27	9
Wells and city only.....	2	2	6	2	6	6	2	2	1
Wells in combinations with other sources.....	6	5	122	4	91	147	6	20	2
Streams and combinations of streams with other sources (except wells).....	444	390	7,706	404	8,922	10,617	439	483	141
Streams only.....	380	333	6,639	343	7,510	9,018	375	404	101
Streams and lakes only.....	22	20	447	22	550	634	22	27	9
Streams and springs only.....	37	34	560	34	746	830	37	44	29
Streams and city only.....	3	2	18	3	46	53	3	6	1
Streams in combination with other sources.....	2	1	42	2	70	82	2	2	1
Lakes and combinations of lakes with other sources (except wells and streams).....	154	138	2,466	147	3,047	3,483	154	170	72
Lakes only.....	136	121	1,946	129	2,371	2,836	136	149	59
Lakes and springs and combinations of lakes with other sources.....	18	17	520	18	676	647	18	21	13
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	169	152	2,440	158	2,770	3,144	167	179	149
Springs only.....	165	149	2,280	154	2,593	2,967	163	175	145
Springs and city only.....	3	2	10	3	27	27	3	3	3
City and combination of city with other sources (except wells, streams, lakes, and springs).....	29	27	83	26	77	81	3	4	...
Other sources.....	8	7	208	4	170	285	8	8	2
Source not reported.....	1	1	5	1	5	5	1	1	1
Minnesota.....	273	254	7,423	246	7,392	9,168	264	382	23
Wells and combinations of wells with other sources.....	176	163	4,776	166	5,221	5,812	176	279	11
Wells only.....	150	140	4,057	141	4,299	4,761	150	231	5
Wells and streams only.....	13	11	353	12	422	485	13	26	2
Wells and springs only.....	4	4	44	4	60	74	4	6	2
Wells and lakes only.....	3	3	220	3	200	240	3	4	1
Wells and city only.....	2	2	26	2	31	41	2	3	...
Wells in combinations with other sources.....	3	3	76	3	155	157	3	6	1
Streams and combinations of streams with other sources (except wells).....	44	42	1,598	36	1,214	2,071	44	52	4
Streams only.....	42	40	1,515	34	1,138	1,987	42	50	3
Streams and springs only.....	2	2	83	2	76	84	2	2	1
Lakes and combinations of lakes with other sources (except wells and streams).....	32	29	700	27	648	872	32	37	3
Lakes only.....	31	28	698	26	636	860	31	36	2
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	51	5	96	4	96	113	5	5	3
Springs only.....	5	5	96	4	96	113	5	5	3
City and combination of city with other sources (except wells, streams, lakes, and springs).....	9	8	46	7	45	121	1	1	...
Other sources.....	6	6	204	6	168	172	5	7	2
Source not reported.....	1	1	3	...	...	7	1	1	...

## IRRIGATION IN HUMID AREAS

Table 3.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF WATER, BY STATES:  
1955—Continued

State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Iowa.....	101	83	1,996	95	2,838	2,912	96	141	15
Wells and combinations of wells with other sources.....	70	53	1,145	69	1,860	1,739	70	111	4
Wells only.....	59	43	811	58	1,184	1,073	59	81	4
Wells and streams only.....	2	2	32	2	30	39	2	5	...
Wells and city only.....	5	5	197	5	477	477	5	12	...
Wells in combination with other sources.....	3	3	105	3	151	150	3	6	...
Streams and combinations of streams with other sources (except wells).....	20	20	756	17	894	1,059	20	23	6
Streams only.....	16	16	615	14	767	873	16	19	5
Streams and lakes only.....	2	2	38	1	60	80	2	2	...
Streams and springs only.....	2	2	103	2	67	106	2	2	1
Lakes and combinations of lakes with other sources (except wells and streams).....	1	1	2	1	4	4	1	2	...
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	5	5	76	4	66	78	5	5	5
Springs only.....	5	5	76	4	66	78	5	5	5
City and combination of city with other sources (except wells, streams, lakes, and springs).....	5	4	17	4	14	32	...	...	...
Missouri.....	580	558	33,315	418	21,355	36,822	521	639	115
Wells and combinations of wells with other sources.....	164	155	16,038	127	10,985	17,689	163	231	25
Wells only.....	138	130	13,261	107	9,291	14,775	138	184	11
Wells and streams only.....	10	10	1,579	8	1,051	1,683	10	21	5
Wells and springs only.....	5	4	43	4	60	71	5	10	4
Wells and lakes only.....	5	5	309	3	59	314	5	8	3
Wells and city only.....	2	2	4	1	1	4	1	1	1
Wells in combinations with other sources.....	4	4	842	4	523	842	4	7	1
Streams and combinations of streams with other sources (except wells).....	288	282	14,749	181	8,374	16,046	284	326	52
Streams only.....	273	267	14,129	168	7,686	15,268	269	310	47
Streams and springs only.....	13	13	559	11	627	715	13	14	5
Lakes and combinations of lakes with other sources (except wells).....	8	6	226	5	167	409	8	9	...
Lakes only.....	7	5	216	4	157	399	7	8	...
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	55	54	1,001	48	952	1,247	48	53	37
Springs only.....	49	48	969	42	911	1,200	42	45	32
Springs and city only.....	6	6	32	6	41	47	6	8	5
City and combination of city with other sources (except wells, streams, lakes, and springs).....	53	49	409	51	485	461	6	6	...
Other sources.....	12	12	892	6	392	970	12	14	1
Delaware.....	62	59	5,180	58	6,343	6,467	62	77	39
Wells and combinations of wells with other sources.....	16	15	1,156	16	1,988	1,967	16	25	8
Wells only.....	12	12	828	12	1,324	1,303	12	17	5
Wells and streams only.....	2	2	208	2	281	281	2	4	1
Wells and springs only.....	2	1	120	2	383	383	2	4	2
Streams and combinations of streams with other sources (except wells).....	31	30	2,807	27	2,911	3,134	31	37	20
Streams only.....	25	24	2,091	21	2,078	2,451	25	28	15
Streams and lakes only.....	3	3	263	3	278	278	3	4	2
Streams and springs only.....	3	3	453	3	555	405	3	5	3
Lakes and combinations of lakes with other sources (except wells and streams).....	4	4	447	4	475	490	4	4	...
Lakes only.....	4	4	447	4	475	490	4	4	...
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	11	10	770	11	969	876	11	11	11
Springs only.....	11	10	770	11	969	876	11	11	11
Maryland.....	173	153	7,247	150	8,133	9,663	164	199	92
Wells and combinations of wells with other sources.....	25	23	599	21	585	662	25	35	11
Wells only.....	14	12	107	11	113	125	14	16	4
Wells and streams only.....	4	4	244	4	247	249	4	8	2
Wells and springs only.....	4	4	184	3	106	184	4	5	4
Wells and city only.....	2	2	9	2	9	9	2	4	...
Streams and combinations of streams with other sources (except wells).....	102	91	5,970	91	6,945	8,182	100	124	50
Streams only.....	80	69	3,948	70	4,288	5,176	79	87	33
Streams and lakes only.....	13	13	751	12	1,304	1,452	13	18	9
Streams and springs only.....	8	8	1,215	8	1,291	1,492	7	16	7
Lakes and combinations of lakes with other sources (except wells and streams).....	10	9	254	10	233	306	10	10	5
Lakes only.....	8	7	198	8	197	250	8	8	4
Lakes and springs and combinations of lakes with other sources.....	2	2	56	2	36	56	2	2	1
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	28	24	405	23	351	494	28	29	26
Springs only.....	28	24	405	23	351	494	28	29	26
City and combination of city with other sources (except wells, streams, lakes, and springs).....	7	5	16	5	19	16	...	...	...
Other sources.....	1	1	3	...	...	3	1	1	...

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Table 3.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF WATER, BY STATES:  
1955—Continued

State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Virginia.....	545	522	22,887	426	16,465	24,738	537	630	322
Wells and combinations of wells with other sources.....	48	44	964	40	857	1,054	47	73	12
Wells only.....	33	30	222	27	158	211	32	44	3
Wells and streams only.....	7	7	167	7	95	190	7	14	4
Wells and springs only.....	4	3	432	2	486	526	4	9	2
Wells and lakes only.....	2	2	102	2	77	86	2	2	2
Wells and city only.....	2	2	41	2	41	41	2	4	1
Streams and combinations of streams with other sources (except wells).....	315	308	16,770	238	11,081	17,926	311	365	151
Streams only.....	281	275	14,633	210	9,344	15,573	277	317	126
Streams and lakes only.....	5	5	230	3	140	214	5	6	2
Streams and springs only.....	29	28	1,907	25	1,597	2,139	29	42	23
Lakes and combinations of lakes with other sources (except wells and streams).....	16	14	695	13	662	750	16	19	6
Lakes only.....	11	9	322	8	336	441	11	11	2
Lakes and springs and combinations of lakes with other sources.....	5	5	373	5	326	309	5	8	4
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	162	152	4,435	132	3,850	4,988	161	170	153
Springs only.....	162	152	4,435	132	3,850	4,988	161	170	153
City and combination of city with other sources (except wells, streams, lakes, and springs).....	4	4	23	3	15	20	2	3	...
West Virginia.....	29	29	1,104	26	973	1,176	26	31	10
Wells and combinations of wells with other sources.....	1	1	15	1	20	20	1	1	1
Streams and combinations of streams with other sources (except wells).....	21	21	962	19	826	1,026	20	24	2
Streams only.....	19	19	919	17	778	978	19	23	1
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	7	7	127	6	127	130	5	6	7
Springs only.....	7	7	127	6	127	130	5	6	7
North Carolina.....	1,590	1,547	27,135	1,197	21,350	30,874	1,559	1,752	1,073
Wells and combinations of wells with other sources.....	98	96	2,409	88	2,333	2,653	94	148	35
Wells only.....	65	64	1,142	56	983	1,315	61	89	11
Wells and streams only.....	14	13	841	13	990	864	14	27	9
Wells and springs only.....	13	13	212	13	178	258	13	20	12
Wells and city only.....	2	2	3	2	5	5	2	3	1
Wells in combinations with other sources.....	2	2	133	2	108	133	2	7	1
Streams and combinations of streams with other sources (except wells).....	939	916	17,383	649	12,543	19,755	923	1,013	520
Streams only.....	874	852	15,466	592	11,201	17,631	859	934	458
Streams and lakes only.....	13	13	371	11	227	379	13	13	12
Streams and springs only.....	50	50	1,530	46	1,115	1,659	49	64	49
Streams in combination with other sources.....	2	1	16	...	...	86	2	2	1
Lakes and combinations of lakes with other sources (except wells and streams).....	17	17	359	16	270	365	17	17	9
Lakes only.....	12	12	222	12	199	225	12	12	4
Lakes and springs and combinations of lakes with other sources.....	5	5	137	4	71	140	5	5	5
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	524	506	6,939	438	6,177	8,056	522	569	508
Springs only.....	522	504	6,917	436	6,149	8,022	520	566	506
City and combination of city with other sources (except wells, streams, lakes, and springs).....	9	9	13	5	9	13	1	1	...
Other sources.....	2	2	30	1	18	30	2	4	1
Source not reported.....	1	1	2	...	...	2	...	...	...
South Carolina.....	494	475	21,524	350	16,504	25,901	474	612	367
Wells and combinations of wells with other sources.....	75	72	4,472	67	4,684	5,583	74	126	52
Wells only.....	41	39	1,681	35	1,734	2,132	41	65	23
Wells and streams only.....	6	5	107	5	121	139	6	7	3
Wells and springs only.....	17	17	809	16	652	989	17	35	17
Wells, streams, and springs only.....	4	4	146	4	115	146	4	5	4
Wells and city only.....	3	3	22	3	17	22	3	3	2
Wells in combinations with other sources.....	4	4	1,707	4	2,045	2,155	3	11	3
Streams and combinations of streams with other sources (except wells).....	272	268	13,689	170	9,364	15,928	258	309	184
Streams only.....	230	226	10,361	135	7,343	12,275	216	254	145
Streams and lakes only.....	3	3	629	2	277	744	3	4	2
Streams and springs only.....	39	39	2,699	33	1,744	2,909	39	51	37
Lakes and combinations of lakes with other sources (except wells and streams).....	5	4	65	4	49	208	5	5	1
Lakes only.....	4	3	56	3	36	195	4	4	...
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	135	124	2,997	104	2,346	3,880	135	170	130
Springs only.....	135	124	2,997	104	2,346	3,880	135	170	130
City and combination of city with other sources (except wells, streams, lakes, and springs).....	6	6	241	4	12	242	1	1	...
Other sources.....	1	1	60	1	49	60	1	1	...

## IRRIGATION IN HUMID AREAS

Table 3.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF WATER, BY STATES:  
1955—Continued

State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Georgia.....	857	801	24,681	734	25,271	32,581	828	1,008	649
Wells and combinations of wells with other sources.....	127	117	6,870	117	8,549	10,047	124	222	88
Wells only.....	68	63	2,405	63	3,465	3,800	66	105	32
Wells and streams only.....	19	18	1,652	15	1,968	2,015	18	30	18
Wells and springs only.....	28	24	601	27	844	1,040	28	47	28
Wells, streams, and springs only.....	3	3	815	3	941	1,066	3	13	3
Wells and lakes only.....	3	3	377	3	375	370	3	5	2
Wells and city only.....	4	4	180	4	206	1,056	4	12	3
Wells in combinations with other sources.....	2	2	840	2	750	700	2	10	2
Streams and combinations of streams with other sources (except wells).....	438	420	14,040	357	12,545	17,418	423	485	287
Streams only.....	423	405	12,773	345	11,867	16,087	408	464	274
Streams and springs only.....	15	15	1,267	12	678	1,331	15	21	13
Lakes and combinations of lakes with other sources (except wells and streams).....	5	3	19	3	27	60	5	5	3
Lakes only.....	4	2	14	2	22	55	4	4	2
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	279	253	3,701	249	4,093	4,999	276	296	271
Springs only.....	276	251	3,601	246	3,927	4,825	273	288	268
Springs and city only.....	3	2	100	3	166	174	3	8	3
City and combination of city with other sources (except wells, streams, lakes, and springs).....	7	7	46	7	47	47	...	...	...
Other sources.....	1	1	5	1	10	10	...	...	...
Kentucky.....	829	802	13,351	449	6,313	15,204	799	847	257
Wells and combinations of wells with other sources.....	65	62	849	52	657	950	63	78	15
Wells only.....	50	48	540	40	410	589	48	57	6
Wells and streams only.....	6	6	215	5	175	243	6	9	2
Wells and springs only.....	5	5	36	5	31	45	5	7	5
Wells and lakes only.....	4	3	58	2	41	73	4	5	2
Streams and combinations of streams with other sources (except wells).....	534	525	10,457	270	4,275	11,587	524	546	112
Streams only.....	498	490	9,388	245	3,696	10,157	489	509	95
Streams and lakes only.....	24	23	826	15	397	1,148	23	25	12
Streams and springs only.....	8	8	165	8	138	189	8	8	5
Streams and city only.....	4	4	78	2	44	93	4	4	...
Lakes and combinations of lakes with other sources (except wells and streams).....	76	71	419	26	196	532	74	78	20
Lakes only.....	74	69	414	26	196	527	72	76	19
Lakes and springs and combinations of lakes with other sources.....	2	2	5	...	...	5	2	2	1
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	135	127	1,520	86	1,121	2,026	134	140	110
Springs only.....	133	125	1,495	84	1,096	2,001	132	138	109
Springs and city only.....	2	2	25	2	25	25	2	2	1
City and combination of city with other sources (except wells, streams, lakes, and springs).....	16	15	103	15	64	106	3	4	...
Other sources.....	1	1	2	...	...	2	1	1	...
Source not reported.....	2	1	1	...	...	1	...	...	...
Tennessee.....	777	712	23,000	558	16,819	27,145	757	836	193
Wells and combinations of wells with other sources.....	65	54	3,822	53	2,425	4,555	65	90	31
Wells only.....	33	25	1,535	28	1,510	2,009	33	44	8
Wells and streams only.....	14	13	442	10	371	642	14	21	7
Wells and springs only.....	14	12	1,384	12	369	1,429	14	19	12
Wells and lakes only.....	4	4	461	3	175	475	4	6	4
Streams and combinations of streams with other sources (except wells).....	591	548	17,933	415	13,342	20,904	588	637	101
Streams only.....	552	512	16,632	385	12,068	19,300	549	589	76
Streams and lakes only.....	5	4	210	3	201	312	5	6	4
Streams and springs only.....	30	28	935	24	953	1,130	30	37	21
Streams in combination with other sources.....	3	3	62	2	20	62	3	3	...
Lakes and combinations of lakes with other sources (except wells and streams).....	17	15	103	11	97	146	16	16	4
Lakes only.....	17	15	103	11	97	146	16	16	4
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	87	79	1,034	66	874	1,427	80	85	57
Springs only.....	85	77	989	64	834	1,382	78	83	55
Springs and city only.....	2	2	45	2	40	45	2	2	2
City and combination of city with other sources (except wells, streams, lakes, and springs).....	9	8	17	8	15	16	...	...	...
Other sources.....	7	7	83	4	58	89	7	7	...
Source not reported.....	1	1	8	1	8	8	1	1	...

# IRRIGATION IN HUMID AREAS

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Table 3.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF WATER, BY STATES:  
1955—Continued

State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Alabama.....	330	322	15,409	266	12,641	18,353	316	427	145
Wells and combinations of wells with other sources.....	93	92	4,576	85	4,777	5,623	92	164	46
Wells only.....	73	73	2,693	66	2,785	3,190	73	127	30
Wells and streams only.....	14	13	1,320	13	1,228	1,654	13	25	11
Wells and springs only.....	2	2	21	2	80	80	2	2	2
Wells, streams, and springs only.....	3	3	537	3	679	694	3	9	3
Streams and combinations of streams with other sources (except wells).....	194	188	9,877	147	6,849	11,481	192	223	72
Streams only.....	182	176	9,246	139	6,492	10,781	180	209	63
Streams and springs only.....	8	8	429	6	272	437	8	10	6
Streams in combination with other sources.....	3	3	198	1	20	198	3	3	2
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	34	33	883	28	963	1,160	29	37	27
Springs only.....	34	33	883	28	963	1,160	29	37	27
City and combination of city with other sources (except wells, streams, lakes, and springs).....	7	7	58	6	52	74	2	2	...
Other sources.....	2	2	15	...	...	15	1	1	...
Mississippi.....	909	897	133,743	638	100,835	151,772	851	1,591	265
Wells and combinations of wells with other sources.....	401	395	94,400	332	75,776	106,241	385	929	85
Wells only.....	286	282	53,475	226	39,528	58,183	271	493	45
Wells and streams only.....	71	71	22,605	66	21,573	28,247	71	258	21
Wells and springs only.....	18	18	5,203	18	4,275	5,802	18	50	13
Wells, streams, and springs only.....	6	6	2,577	6	2,395	2,785	6	38	3
Wells and lakes only.....	11	10	2,744	9	2,090	3,008	11	26	...
Wells in combinations with other sources.....	8	7	7,793	6	5,912	8,213	7	63	3
Streams and combinations of streams with other sources (except wells).....	396	392	33,094	248	21,429	37,976	369	535	138
Streams only.....	379	375	31,563	235	20,262	36,282	353	508	130
Streams and lakes only.....	6	6	645	5	455	646	6	9	1
Streams and springs only.....	11	11	886	8	712	1,048	10	18	7
Lakes and combinations of lakes with other sources (except wells and streams).....	55	53	4,761	27	2,802	5,378	52	74	...
Lakes only.....	55	53	4,761	27	2,802	5,378	52	74	...
Springs and combinations of springs with other sources (except wells, streams, and lakes).....	52	52	1,140	28	710	1,821	40	46	40
Springs only.....	51	51	1,128	27	688	1,799	39	45	40
Other sources.....	5	5	348	3	118	356	5	7	2

## IRRIGATION IN HUMID AREAS

Table 4.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms]

Data on cost of irrigation systems were reported only for farms										
State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955	
		1954		1955			Farms reporting	Number		
		Farms reporting	Acres	Farms reporting	Acres					
1 Total, 28 States.....	6,414	6,085	245,928	5,541	220,082	295,154	6,207	7,530	3,165	
2 Wells and combinations of wells with other sources..	1,004	956	73,701	942	71,179	88,501	1,002	1,654	401	
3 Wells only.....	650	622	38,282	609	36,185	45,284	649	911	142	
4 Wells and streams only.....	122	117	12,035	113	12,661	16,633	122	247	61	
5 Wells and springs only.....	146	132	7,475	138	7,540	9,361	146	250	136	
6 Wells, streams, and springs only.....	18	18	5,215	18	5,577	6,206	18	69	18	
7 Wells and lakes only.....	36	35	1,992	32	1,490	2,204	36	64	20	
8 Wells and city only.....	9	9	311	9	338	342	8	14	6	
9 Wells in combinations with other sources.....	23	23	8,391	23	7,388	8,471	23	99	18	
10 Streams and combinations of streams with other sources (except wells).....	3,545	3,384	131,817	2,904	108,217	156,838	3,512	3,988	1,374	
11 Streams only.....	3,171	3,027	114,611	2,561	92,292	136,074	3,139	3,498	1,106	
12 Streams and lakes only.....	93	89	3,779	84	3,752	4,828	93	107	39	
13 Streams and springs only.....	252	242	12,040	235	10,857	14,224	251	329	218	
14 Streams and city only.....	16	13	396	14	358	499	16	23	3	
15 Streams in combination with other sources.....	13	13	991	10	958	1,213	13	31	8	
16 Lakes and combinations of lakes with other sources (except wells and streams).....	301	275	8,952	257	8,933	11,528	300	343	75	
17 Lakes only.....	261	238	7,843	221	7,724	10,252	260	295	49	
18 Lakes and springs and combinations of lakes with other sources.....	40	37	1,109	36	1,209	1,276	40	48	26	
19 Springs and combinations of springs with other sources (except wells, streams, and lakes).....	1,319	1,238	26,644	1,216	27,433	32,849	1,304	1,450	1,293	
20 Springs only.....	1,303	1,223	26,346	1,201	27,045	32,439	1,288	1,428	1,277	
21 Springs and city only.....	15	14	258	14	348	370	15	21	15	
22 Springs in combinations with other sources.....	1	1	40	1	40	40	1	1	1	
23 City and combination of city with other sources (except wells, streams, lakes, and springs).....	174	164	1,954	167	1,919	2,312	18	19	...	
24 Other sources.....	65	62	2,797	50	2,343	3,089	65	70	17	
25 Source not reported.....	6	6	63	5	58	37	6	6	5	
26 Maine.....	24	16	138	22	416	483	20	23	14	
27 Streams and combinations of streams with other sources (except wells).....	16	11	100	16	374	424	16	18	9	
28 Streams only.....	12	9	78	12	246	254	12	13	5	
29 Streams and springs only.....	4	2	22	4	128	170	4	5	4	
30 Springs and combinations of springs with other sources (except wells, streams, and lakes).....	5	3	24	3	20	37	4	5	5	
31 Springs only.....	5	3	24	3	20	37	4	5	5	
32 City and combination of city with other sources (except wells, streams, lakes, and springs).....	3	2	14	3	22	22	...	...	...	
33 New Hampshire.....	31	30	510	30	685	718	28	31	15	
34 Wells and combinations of wells with other sources..	2	2	24	2	24	24	2	3	2	
35 Streams and combinations of streams with other sources (except wells).....	20	19	387	19	550	560	19	21	9	
36 Streams only.....	15	14	250	14	322	332	14	14	6	
37 Streams and lakes only.....	2	2	18	2	18	18	2	2	...	
38 Streams and springs only.....	2	2	104	2	160	160	2	4	2	
39 Lakes and combinations of lakes with other sources (except wells and streams).....	3	3	33	3	33	33	3	3	...	
40 Lakes only.....	3	3	33	3	33	33	3	3	...	
41 Springs and combinations of springs with other sources (except wells, streams, and lakes).....	4	4	26	4	29	41	4	4	4	
42 Springs only.....	4	4	26	4	29	41	4	4	4	
43 City and combination of city with other sources (except wells, streams, lakes, and springs).....	2	2	40	2	49	60	...	...	...	
44 Vermont.....	14	14	267	13	275	341	14	16	4	
45 Streams and combinations of streams with other sources (except wells).....	10	10	232	9	206	266	10	12	2	
46 Streams only.....	10	10	232	9	206	266	10	12	2	
47 Lakes and combinations of lakes with other sources (except wells and streams).....	2	2	25	2	61	65	2	2	...	
48 Lakes only.....	2	2	25	2	61	65	2	2	...	
49 Springs and combinations of springs with other sources (except wells, streams, and lakes).....	2	2	10	2	8	10	2	2	2	
50 Springs only.....	2	2	10	2	8	10	2	2	2	

# IRRIGATION IN HUMID AREAS

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## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY SOURCE OF WATER, BY STATES: 1955

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
35,545,680	5,542	145	6,382	27,477,344	4,305	112	693	826,488	1,193	3.36	3,896	7,241,848	1,859	29.45	1
9,604,874	9,567	130	1,004	6,476,521	6,451	88	220	465,122	2,114	6.31	1,003	2,663,231	2,655	36.14	2
5,212,391	8,019	136	650	3,614,236	5,560	94	119	206,851	1,738	5.40	649	1,391,304	2,144	36.34	3
1,601,492	13,127	133	122	1,040,583	8,529	86	39	136,733	3,506	11.36	122	424,176	3,477	35.25	4
1,165,709	7,984	156	146	744,312	5,098	100	38	47,772	1,257	6.39	146	373,625	2,559	49.98	5
730,770	40,598	140	18	542,773	30,154	104	9	25,300	2,811	4.85	18	162,697	9,039	31.20	6
292,552	8,126	147	36	191,167	5,310	96	4	486	122	0.24	36	100,899	2,803	50.65	7
58,000	6,444	186	9	44,150	4,906	142	1	500	500	1.61	9	13,350	1,483	42.93	8
543,960	23,650	65	23	299,300	13,013	36	10	47,480	4,748	5.66	23	197,180	8,573	23.50	9
17,518,958	4,942	133	3,522	14,620,974	4,151	111	319	264,245	828	2.00	1,464	2,633,739	1,799	19.98	10
14,836,506	4,679	129	3,148	12,578,751	3,996	110	274	211,133	771	1.84	1,179	2,046,622	1,736	17.86	11
563,545	6,060	149	93	470,670	5,061	125	11	16,450	1,495	4.35	50	76,425	1,528	20.22	12
1,800,990	7,147	150	252	1,318,538	5,232	110	31	35,260	1,137	2.93	222	447,192	2,014	37.14	13
60,502	3,781	153	16	58,102	3,631	147	1	500	500	1.26	4	1,900	475	4.80	14
257,415	19,801	260	13	194,913	14,993	197	2	902	451	0.91	9	61,600	6,844	62.16	15
1,211,091	4,024	135	301	1,133,226	3,765	127	31	21,107	681	2.36	84	56,758	676	6.34	16
1,026,631	3,933	131	261	980,786	3,758	125	29	20,637	712	2.63	53	25,208	476	3.21	17
184,460	4,612	166	40	152,440	3,811	137	2	470	235	0.42	31	31,550	1,018	28.45	18
6,641,674	5,035	249	1,310	4,705,244	3,592	177	112	68,804	614	2.58	1,319	1,867,626	1,416	70.10	19
6,553,731	5,031	249	1,294	4,639,366	3,585	176	111	68,604	618	2.60	1,303	1,847,761	1,418	70.13	20
81,543	5,436	316	15	62,878	4,192	244	...	...	...	...	15	18,665	1,244	72.34	21
4,400	4,400	110	1	3,000	3,000	75	1	200	200	5.00	1	1,200	1,200	30.00	22
268,719	1,544	138	174	265,114	1,524	136	5	3,605	721	1.84	...	...	...	...	23
289,154	4,449	103	65	267,215	4,111	96	5	3,505	701	1.25	21	18,434	878	6.59	24
11,210	1,868	178	6	9,050	1,508	144	1	100	100	1.59	5	2,060	412	32.70	25
66,866	2,786	485	23	57,011	2,479	413	1	600	600	4.35	14	9,255	661	67.07	26
58,751	3,672	588	16	51,301	3,206	513	...	...	...	...	9	7,450	828	74.50	27
37,935	3,161	486	12	33,285	2,774	427	...	...	...	...	5	4,650	930	59.62	28
20,816	5,204	946	4	18,016	4,504	819	...	...	...	...	4	2,800	700	127.27	29
7,495	1,499	312	4	5,090	1,272	212	1	600	600	25.00	5	1,805	361	75.21	30
7,495	1,499	312	4	5,090	1,272	212	1	600	600	25.00	5	1,805	361	75.21	31
620	207	44	3	620	207	44	...	...	...	...	...	...	...	...	32
88,468	2,854	173	30	68,898	2,297	135	6	2,081	347	4.08	15	17,489	1,166	34.29	33
6,500	3,250	271	2	3,400	1,700	142	1	450	450	18.75	2	2,650	1,325	110.42	34
68,016	3,401	176	19	55,431	2,917	143	4	1,550	388	4.01	9	11,035	1,226	28.51	35
40,591	2,706	162	14	36,906	2,636	148	2	350	175	1.40	6	3,335	556	13.34	36
1,785	862	96	2	1,825	762	85	1	200	200	11.11	...	...	...	...	37
20,400	10,200	196	2	13,500	6,750	130	1	1,000	1,000	9.62	2	5,900	2,950	56.73	38
4,215	1,405	128	3	4,215	1,405	128	...	...	...	...	...	...	...	...	39
4,215	1,405	128	3	4,215	1,405	128	...	...	...	...	...	...	...	...	40
8,237	2,059	317	4	4,352	1,088	167	1	81	81	3.12	4	3,804	951	146.31	41
8,237	2,059	317	4	4,352	1,088	167	1	81	81	3.12	4	3,804	951	146.31	42
1,500	750	38	2	1,500	750	38	...	...	...	...	...	...	...	...	43
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60	44
21,100	2,110	91	10	20,075	2,008	87	...	...	...	...	3	1,025	342	4.42	45
21,100	2,110	91	10	20,075	2,008	87	...	...	...	...	3	1,025	342	4.42	46
4,500	2,250	180	2	4,500	2,250	180	...	...	...	...	...	...	...	...	47
4,500	2,250	180	2	4,500	2,250	180	...	...	...	...	...	...	...	...	48
4,408	2,204	441	2	3,938	1,969	394	...	...	...	...	2	470	235	47.00	49
4,408	2,204	441	2	3,938	1,969	394	...	...	...	...	2	470	235	47.00	50

## IRRIGATION IN HUMID AREAS

Table 4.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms]

[Data on cost of irrigation systems were reported only for farms]										
State and source of water (see text)		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Massachusetts.....	217	199	3,982	205	4,462	5,343	177	213	102
2	Wells and combinations of wells with other sources..	16	15	214	15	218	255	16	28	10
3	Wells only.....	6	6	21	6	21	21	6	10	3
4	Wells and streams only.....	2	2	36	2	40	40	2	2	1
5	Wells and springs only.....	2	1	2	1	1	14	2	3	2
6	Wells and lakes only.....	2	2	18	2	23	23	2	5	1
7	Wells in combinations with other sources.....	3	3	127	3	123	147	3	6	2
8	Streams and combinations of streams with other sources (except wells).....	81	76	2,116	77	2,286	2,920	81	98	33
9	Streams only.....	62	57	1,500	59	1,819	2,190	62	75	23
10	Streams and lakes only.....	8	8	390	7	188	404	8	10	1
11	Streams and springs only.....	6	6	97	6	125	150	6	6	6
12	Streams and city only.....	4	4	112	4	104	126	4	5	2
13	Lakes and combinations of lakes with other sources (except wells and streams).....	20	18	470	17	477	548	20	21	1
14	Lakes only.....	15	13	349	12	314	392	15	15	...
15	Lakes and springs and combinations of lakes with other sources.....	5	5	121	5	163	156	5	6	1
16	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	57	51	630	54	819	895	55	61	57
17	Springs only.....	51	45	555	49	728	789	49	55	51
18	Springs and city only.....	6	6	75	5	91	106	6	6	6
19	City and combination of city with other sources (except wells, streams, lakes, and springs).....	41	37	535	40	645	703	3	3	...
20	Source not reported.....	2	2	17	2	17	22	2	2	1
21	Rhode Island.....	17	17	535	15	377	633	16	21	7
22	Wells and combinations of wells with other sources..	1	1	6	1	6	6	1	2	...
23	Streams and combinations of streams with other sources (except wells).....	8	8	315	6	189	353	8	10	2
24	Streams only.....	8	8	315	6	189	353	8	10	2
25	Lakes and combinations of lakes with other sources (except wells and streams).....	2	2	46	2	53	57	2	2	...
26	Lakes only.....	2	2	46	2	53	57	2	2	...
27	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	5	5	149	5	115	198	5	7	5
28	Springs only.....	4	4	69	4	35	118	4	5	4
29	City and combination of city with other sources (except wells, streams, lakes, and springs).....	1	1	19	1	14	19	...	...	...
30	Connecticut.....	161	151	5,924	155	6,161	6,679	158	208	98
31	Wells and combinations of wells with other sources..	7	7	1,329	7	1,240	1,362	7	25	7
32	Wells and springs only.....	2	2	45	2	45	40	2	3	2
33	Wells, streams, and springs only.....	2	2	1,255	2	1,164	1,264	2	18	2
34	Wells in combinations with other sources.....	2	2	24	2	26	51	2	3	2
35	Streams and combinations of streams with other sources (except wells).....	93	87	3,141	89	3,258	3,613	93	115	43
36	Streams only.....	75	70	2,145	71	2,004	2,399	75	80	30
37	Streams and lakes only.....	6	6	174	6	172	164	6	7	2
38	Streams and springs only.....	9	9	285	9	450	418	9	11	9
39	Streams in combination with other sources.....	2	2	537	2	620	620	2	16	2
40	Lakes and combinations of lakes with other sources (except wells and streams).....	11	10	369	11	465	471	11	13	1
41	Lakes only.....	11	10	369	11	465	471	11	13	1
42	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	44	41	1,023	43	1,141	1,202	43	51	44
43	Springs only.....	42	39	963	41	1,084	1,142	41	49	42
44	City and combination of city with other sources (except wells, streams, lakes, and springs).....	2	2	6	2	6	6	...	...	...
45	Other sources.....	1	1	15	1	15	15	1	1	...
46	Source not reported.....	3	3	41	2	36	10	3	3	3

# IRRIGATION IN HUMID AREAS

15

## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY SOURCE OF WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
731,941	3,373	184	215	620,932	2,888	156	24	21,891	912	5.50	112	89,118	796	22.38	1
51,577	3,224	241	16	34,051	2,128	159	3	441	147	2.06	16	17,085	1,068	79.84	2
10,094	1,682	481	6	7,700	1,283	367	...	...	...	...	6	2,394	399	114.00	3
3,125	1,562	87	2	2,600	1,300	72	1	175	175	4.86	2	350	175	9.72	4
4,319	2,160	2,160	2	2,569	1,284	1,284	...	...	...	...	2	1,750	875	875.00	5
4,034	2,017	224	2	3,657	1,828	203	1	86	86	4.78	2	291	146	16.17	6
18,005	6,002	142	3	9,525	3,175	75	1	180	180	1.42	3	8,300	2,767	65.35	7
393,416	4,857	186	81	346,066	4,272	164	12	13,780	1,148	6.51	35	33,570	959	15.86	8
304,944	4,918	203	62	280,229	4,520	187	9	2,930	326	1.95	25	21,785	871	14.52	9
40,337	5,042	103	8	24,337	3,042	62	1	10,000	10,000	25.64	1	6,000	6,000	15.38	10
22,835	3,806	235	6	18,900	3,150	195	1	350	350	3.61	6	3,585	598	36.96	11
20,800	5,200	186	4	18,600	4,650	166	1	500	500	4.46	2	1,700	850	15.18	12
73,289	3,664	156	20	71,464	3,573	152	1	270	270	0.57	3	1,555	518	3.31	13
43,064	2,871	123	15	41,964	2,798	120	...	...	...	...	2	1,100	550	3.15	14
30,225	6,045	250	5	29,500	5,900	244	1	270	270	2.23	1	455	455	3.76	15
157,322	2,760	250	55	113,114	2,057	180	8	7,400	925	11.75	57	36,808	646	58.43	16
140,857	2,762	254	49	99,239	2,025	179	8	7,400	925	13.33	51	34,218	671	61.65	17
16,465	2,744	220	6	13,875	2,312	185	...	...	...	...	6	2,590	432	34.53	18
51,887	1,266	97	41	51,887	1,266	97	...	...	...	...	...	...	...	...	19
4,450	2,225	262	2	4,350	2,175	256	...	...	...	...	1	100	100	5.88	20
63,525	3,737	119	17	54,045	3,179	101	...	...	...	...	8	9,480	1,185	17.72	21
6,000	6,000	1,000	1	5,000	5,000	833	...	...	...	...	1	1,000	1,000	166.67	22
19,565	2,446	62	8	18,315	2,289	58	...	...	...	...	2	1,250	625	3.97	23
19,565	2,446	62	8	18,315	2,289	58	...	...	...	...	2	1,250	625	3.97	24
4,030	2,015	88	2	4,030	2,015	88	...	...	...	...	...	...	...	...	25
4,030	2,015	88	2	4,030	2,015	88	...	...	...	...	...	...	...	...	26
32,430	6,486	218	5	25,200	5,040	169	...	...	...	...	5	7,230	1,446	48.52	27
17,430	4,358	253	4	13,200	3,300	191	...	...	...	...	4	4,230	1,058	61.30	28
1,500	1,500	79	1	1,500	1,500	79	...	...	...	...	...	...	...	...	29
1,279,209	7,945	216	160	1,020,923	6,381	172	21	15,500	738	2.62	101	242,786	2,404	40.98	30
324,893	46,413	244	7	258,763	36,966	195	1	1,050	1,050	0.79	7	65,080	9,297	48.97	31
8,650	4,325	192	2	6,700	3,350	149	1	1,050	1,050	23.33	2	900	450	20.00	32
309,663	154,832	247	2	247,163	123,582	197	...	...	...	...	2	62,500	31,250	49.80	33
3,580	1,790	149	2	3,100	1,550	129	...	...	...	...	2	480	240	20.00	34
605,561	6,511	193	92	484,967	5,271	154	11	6,850	623	2.18	46	113,744	2,473	36.21	35
338,076	4,508	158	74	285,382	3,857	133	5	5,600	1,120	2.61	32	47,094	1,472	21.96	36
31,400	5,233	180	6	26,100	4,350	150	3	800	267	4.60	3	4,500	1,500	25.66	37
59,500	6,611	209	9	47,600	5,289	167	2	250	125	0.88	9	11,650	1,294	40.88	38
174,585	87,292	325	2	123,885	61,942	231	1	200	200	0.37	2	50,500	25,250	94.04	39
77,376	7,034	210	11	76,830	6,985	208	1	500	500	1.36	1	46	46	0.12	40
77,376	7,034	210	11	76,830	6,985	208	1	500	500	1.36	1	46	46	0.12	41
258,629	5,878	253	44	190,013	4,318	186	6	6,500	1,083	6.35	44	62,116	1,412	60.72	42
252,079	6,002	262	42	185,013	4,405	192	5	6,300	1,260	6.54	42	60,766	1,447	63.10	43
450	225	75	2	450	225	75	...	...	...	...	...	...	...	...	44
6,500	6,500	433	1	6,000	6,000	400	1	500	500	33.33	...	...	...	...	45
5,800	1,933	141	3	3,900	1,300	95	1	100	100	2.44	3	1,800	600	43.90	46

## IRRIGATION IN HUMID AREAS

Table 4.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms]

Data on cost of irrigation systems were reported only for farms										
State and source of water (see text)		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	New York.....	467	434	16,596	449	18,390	20,078	422	512	169
2	Wells and combinations of wells with other sources..	139	132	7,317	135	7,862	8,390	139	199	29
3	Wells only.....	105	100	5,662	104	5,901	6,271	105	137	8
4	Wells and streams only.....	4	4	119	3	154	169	4	8	1
5	Wells and springs only.....	19	17	877	18	1,150	1,223	19	34	15
6	Wells, streams, and springs only.....	2	2	57	2	77	95	2	4	2
7	Wells and lakes only.....	3	3	158	2	108	158	3	5	...
8	Wells and city only.....	2	2	214	2	212	214	2	4	...
9	Wells in combinations with other sources.....	4	4	230	4	260	260	4	7	3
10	Streams and combinations of streams with other sources (except wells).....	132	123	4,572	125	5,164	5,817	132	140	41
11	Streams only.....	112	105	4,058	105	4,548	5,173	112	118	30
12	Streams and lakes only.....	6	6	158	6	172	182	6	6	2
13	Streams and springs only.....	12	11	317	12	363	381	12	13	9
14	Lakes and combinations of lakes with other sources (except wells and streams).....	26	23	759	24	980	1,060	26	30	3
15	Lakes only.....	20	17	625	19	836	879	20	21	...
16	Lakes and springs and combinations of lakes with other sources.....	6	6	134	5	144	181	6	9	3
17	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	104	95	2,333	99	2,540	2,892	104	120	90
18	Springs only.....	104	95	2,333	99	2,540	2,892	104	120	90
19	City and combination of city with other sources (except wells, streams, lakes, and springs).....	47	44	535	47	590	628	2	2	...
20	Other sources.....	19	17	1,080	19	1,254	1,291	19	21	6
21	New Jersey.....	560	520	20,343	541	24,339	24,291	540	683	328
22	Wells and combinations of wells with other sources..	128	121	4,907	126	5,895	5,543	128	199	59
23	Wells only.....	80	76	2,641	78	3,178	2,870	80	111	21
24	Wells and streams only.....	15	13	825	15	1,099	910	15	27	7
25	Wells and springs only.....	26	25	983	26	1,237	1,301	26	46	25
26	Wells and lakes only.....	3	3	124	3	73	133	3	6	2
27	Wells in combinations with other sources.....	2	2	195	2	191	180	2	5	2
28	Streams and combinations of streams with other sources (except wells).....	262	240	10,572	254	12,897	12,965	262	311	135
29	Streams only.....	221	204	8,442	213	10,488	10,375	221	250	105
30	Streams and lakes only.....	4	4	275	4	207	275	4	4	1
31	Streams and springs only.....	34	30	1,771	34	2,083	2,193	34	48	28
32	Streams and city only.....	2	1	26	2	51	54	2	7	...
33	Lakes and combinations of lakes with other sources (except wells and streams).....	12	11	355	12	371	381	12	13	1
34	Lakes only.....	11	10	245	11	271	271	11	12	...
35	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	132	123	4,281	124	4,867	5,085	132	154	131
36	Springs only.....	132	123	4,281	124	4,867	5,085	132	154	131
37	City and combination of city with other sources (except wells, streams, lakes, and springs).....	22	21	169	21	229	236	2	2	...
38	Other sources.....	4	4	59	4	80	81	4	4	2
39	Pennsylvania.....	277	266	7,681	263	8,398	9,502	272	304	134
40	Wells and combinations of wells with other sources..	19	18	392	18	413	499	19	30	14
41	Wells only.....	7	6	124	6	163	186	7	9	3
42	Wells and streams only.....	5	5	117	5	108	143	5	8	4
43	Wells and springs only.....	4	4	66	4	58	78	4	9	4
44	Wells, streams, and springs only.....	3	3	85	3	84	92	3	4	3
45	Streams and combinations of streams with other sources (except wells).....	204	195	6,389	195	7,107	7,969	204	221	73
46	Streams only.....	182	173	5,574	174	6,338	7,036	182	193	55
47	Streams and springs only.....	17	17	662	17	660	734	17	23	17
48	Streams and city only.....	2	2	80	1	20	80	2	2	...
49	Streams in combination with other sources.....	2	2	55	2	60	90	2	2	...
50	Lakes and combinations of lakes with other sources (except wells and streams).....	2	2	17	2	44	44	2	4	...
51	Lakes only.....	2	2	17	2	44	44	2	4	...
52	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	46	45	827	42	800	933	46	48	46
53	Springs only.....	46	45	827	42	800	933	46	48	46
54	City and combination of city with other sources (except wells, streams, lakes, and springs).....	5	5	12	5	12	12	...	...	...
55	Other sources.....	1	1	44	1	22	45	1	1	1

# IRRIGATION IN HUMID AREAS

17

## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY SOURCE OF WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
2,560,967	5,484	154	467	2,099,369	4,495	126	26	29,961	1,152	1.81	301	431,637	1,434	26.01	1
1,239,821	8,920	169	139	942,128	6,778	129	11	24,358	2,214	3.33	138	273,335	1,981	37.36	2
976,952	9,304	173	105	743,462	7,081	131	4	13,220	3,305	2.33	104	220,270	2,118	38.90	3
13,300	3,325	112	4	10,450	2,612	88	1	1,000	1,000	8.40	4	1,850	462	15.55	4
156,119	8,217	178	19	114,316	6,017	130	4	5,938	1,484	6.77	19	35,865	1,888	40.90	5
15,900	7,950	279	2	11,800	5,900	207	1	3,000	3,000	52.63	2	1,100	550	19.30	6
22,100	7,367	140	3	15,850	5,283	100	...	...	...	...	3	6,250	2,083	39.56	7
22,750	11,375	106	2	20,150	10,075	94	...	...	...	...	2	2,600	1,300	12.15	8
32,700	8,175	142	4	26,100	6,525	113	1	1,200	1,200	5.22	4	5,400	1,350	23.48	9
577,709	4,377	126	132	533,396	4,041	117	3	800	267	0.17	47	43,513	926	9.52	10
509,102	4,546	125	112	471,644	4,211	116	3	800	267	0.20	33	36,658	1,111	9.03	11
19,975	3,329	126	6	19,575	3,262	124	...	...	...	...	2	400	200	2.53	12
37,432	3,119	118	12	32,977	2,748	104	...	...	...	...	11	4,455	405	14.05	13
124,246	4,779	164	26	121,256	4,664	160	2	40	20	0.05	5	2,950	590	3.89	14
99,046	4,952	158	20	98,456	4,923	158	2	40	20	0.06	1	550	550	0.88	15
25,200	4,200	188	6	22,800	3,800	170	...	...	...	...	4	2,400	600	17.91	16
434,184	4,175	186	104	324,589	3,121	139	8	1,713	214	0.73	104	107,882	1,037	46.24	17
434,184	4,175	186	104	324,589	3,121	139	8	1,713	214	0.73	104	107,882	1,037	46.24	18
73,800	1,570	138	47	70,800	1,506	132	1	3,000	3,000	5.61	...	...	...	...	19
111,207	5,853	103	19	107,200	5,642	99	1	50	50	0.05	7	3,957	565	3.66	20
3,659,940	6,536	180	559	3,000,933	5,368	148	80	48,387	605	2.38	409	610,620	1,493	30.02	21
1,108,345	8,659	226	128	801,318	6,260	163	27	18,984	703	3.87	128	288,043	2,250	58.70	22
595,729	7,447	226	80	436,244	5,453	165	13	5,933	456	2.25	80	153,552	1,919	58.14	23
201,739	13,449	245	15	147,816	9,854	179	2	1,426	713	1.73	15	52,497	3,500	63.63	24
297,902	9,919	262	26	177,898	6,841	181	8	7,575	947	7.71	26	72,469	2,787	73.72	25
15,275	5,092	123	3	11,600	3,867	94	1	100	100	0.81	3	3,575	1,192	28.83	26
28,500	14,250	146	2	20,000	10,000	103	2	3,500	1,750	17.95	2	5,000	2,500	25.64	27
1,630,528	6,223	154	261	1,443,555	5,531	137	37	20,062	542	1.90	146	166,911	1,143	15.79	28
1,311,466	5,934	155	220	1,181,108	5,369	140	32	18,962	593	2.25	114	111,396	977	13.20	29
22,550	5,638	82	4	20,000	5,000	73	...	...	...	...	3	2,550	850	9.27	30
269,512	7,927	152	34	216,247	6,360	122	5	1,100	220	0.62	28	52,165	1,863	29.46	31
11,200	5,600	431	2	11,200	5,600	431	...	...	...	...	...	...	...	...	32
45,800	3,817	129	12	42,250	3,521	119	2	1,550	775	4.37	1	2,000	2,000	5.63	33
37,800	3,436	154	11	36,250	3,295	148	2	1,550	775	6.33	...	...	...	...	34
816,607	6,186	191	132	661,000	5,008	154	13	7,491	576	1.75	132	148,116	1,122	34.60	35
816,607	6,186	191	132	661,000	5,008	154	13	7,491	576	1.75	132	148,116	1,122	34.60	36
33,260	1,512	197	22	32,260	1,498	195	1	300	300	1.78	...	...	...	...	37
25,400	6,350	431	4	19,850	4,962	336	...	...	...	...	2	5,550	2,775	94.07	38
1,227,710	4,432	160	277	1,058,772	3,822	138	11	3,051	277	0.40	143	165,887	1,160	21.60	39
98,717	5,196	252	19	72,960	3,840	186	1	50	50	0.13	19	25,707	1,353	65.58	40
39,975	5,711	322	7	29,200	4,171	235	...	...	...	...	7	10,775	1,539	86.90	41
22,650	4,530	194	5	17,350	3,470	148	...	...	...	...	5	5,300	1,060	45.30	42
16,185	4,046	245	4	12,700	3,175	192	...	...	...	...	4	3,485	871	52.80	43
19,907	6,636	234	3	13,710	4,570	161	1	50	50	0.59	3	6,147	2,049	72.32	44
937,590	4,596	147	204	844,961	4,142	132	7	2,558	365	0.40	77	90,071	1,170	14.10	45
793,617	4,361	142	182	720,761	3,960	129	3	318	106	0.06	59	72,538	1,229	13.01	46
109,473	6,440	165	17	92,700	5,453	140	3	740	247	1.12	17	16,033	943	24.22	47
7,900	3,950	99	2	7,900	3,950	99	...	...	...	...	...	...	...	...	48
20,200	10,100	367	2	20,200	10,100	367	...	...	...	...	...	...	...	...	49
5,000	2,500	294	2	5,000	2,500	294	...	...	...	...	...	...	...	...	50
5,000	2,500	294	2	5,000	2,500	294	...	...	...	...	...	...	...	...	51
179,627	3,905	217	46	130,575	2,839	158	3	443	148	0.54	46	48,609	1,057	58.78	52
179,627	3,905	217	46	130,575	2,839	158	3	443	148	0.54	46	48,609	1,057	58.78	53
2,276	4,55	190	5	2,276	4,55	190	...	...	...	...	...	...	...	...	54
4,500	4,500	102	1	3,000	3,000	68	...	...	...	...	1	1,500	1,500	34.09	55

## IRRIGATION IN HUMID AREAS

Table 4.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms

	State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Ohio.....	225	216	5,193	195	4,521	5,944	218	258	97
2	Wells and combinations of wells with other sources..	54	50	1,568	51	1,711	1,892	54	78	22
3	Wells only.....	39	36	1,020	37	1,029	1,114	39	52	12
4	Wells and streams only.....	4	4	137	3	180	290	4	4	...
5	Wells and springs only.....	8	7	222	8	265	250	8	16	8
6	Wells, streams, and springs only.....	2	2	140	2	188	188	2	4	2
7	Streams and combinations of streams with other sources (except wells).....	109	106	2,562	93	2,112	2,836	109	119	28
8	Streams only.....	100	97	2,373	86	1,953	2,606	100	109	22
9	Streams and springs only.....	6	6	147	5	157	186	6	6	5
10	Streams and city only.....	2	2	7	2	2	9	2	2	...
11	Lakes and combinations of lakes with other sources (except wells and streams).....	4	4	286	2	16	286	4	4	...
12	Lakes only.....	4	4	286	2	16	286	4	4	...
13	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	46	45	642	39	624	826	46	52	46
14	Springs only.....	46	45	642	39	624	826	46	52	46
15	City and combination of city with other sources (except wells, streams, lakes, and springs).....	8	7	42	7	39	42	1	1	...
16	Other sources.....	4	4	93	3	19	62	4	4	1
17	Indiana.....	120	118	7,283	94	5,857	8,416	118	150	40
18	Wells and combinations of wells with other sources..	34	33	3,263	31	3,298	3,930	34	59	3
19	Wells only.....	27	26	836	24	596	914	27	30	2
20	Wells and streams only.....	4	4	283	4	69	283	4	12	...
21	Streams and combinations of streams with other sources (except wells).....	58	58	3,377	41	1,903	3,674	58	64	15
22	Streams only.....	54	54	3,149	37	1,694	3,434	54	60	12
23	Streams and springs only.....	3	3	213	3	184	215	3	3	2
24	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	19	18	172	14	216	338	19	19	18
25	Springs only.....	19	18	172	14	216	338	19	19	18
26	City and combination of city with other sources (except wells, streams, lakes, and springs).....	3	3	9	3	9	10	1	1	...
27	Other sources.....	6	6	462	5	431	464	6	7	4
28	Illinois.....	66	61	1,404	53	1,258	1,663	64	82	21
29	Wells and combinations of wells with other sources..	21	21	416	18	400	479	21	34	5
30	Wells only.....	17	17	351	15	313	383	17	24	2
31	Wells and streams only.....	1	1	13	1	30	30	1	2	...
32	Streams and combinations of streams with other sources (except wells).....	22	18	369	16	313	459	22	23	5
33	Streams only.....	19	16	317	14	244	362	19	20	3
34	Streams and lakes only.....	3	2	52	2	69	97	3	3	2
35	Lakes and combinations of lakes with other sources (except wells and streams).....	4	4	177	3	210	252	4	6	...
36	Lakes only.....	4	4	177	3	210	252	4	6	...
37	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	11	10	291	11	253	309	11	13	11
38	Springs only.....	11	10	291	11	253	309	11	13	11
39	City and combination of city with other sources (except wells, streams, lakes, and springs).....	2	2	14	2	14	14	...	...	...
40	Other sources.....	6	6	137	3	68	150	6	6	...
41	Wisconsin.....	133	125	4,615	121	5,072	6,147	132	154	48
42	Wells and combinations of wells with other sources..	25	25	849	23	856	1,098	25	32	7
43	Wells only.....	17	17	547	15	617	758	17	19	2
44	Wells and springs only.....	2	2	32	2	35	35	2	2	2
45	Wells and lakes only.....	4	4	238	4	163	255	4	9	1
46	Streams and combinations of streams with other sources (except wells).....	57	52	2,075	50	2,387	2,943	57	66	8
47	Streams only.....	47	42	1,287	40	1,446	1,904	47	51	4
48	Streams and lakes only.....	6	6	644	6	786	850	6	10	...
49	Streams and springs only.....	4	4	144	4	155	189	4	5	4
50	Lakes and combinations of lakes with other sources (except wells and streams).....	15	13	377	12	420	529	15	17	1
51	Lakes only.....	14	12	373	12	420	525	14	16	...
52	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	31	31	1,231	31	1,293	1,465	31	35	30
53	Springs only.....	31	31	1,231	31	1,293	1,465	31	35	30
54	City and combination of city with other sources (except wells, streams, lakes, and springs).....	1	1	36	1	45	45	...	...	...
55	Other sources.....	4	3	47	4	71	67	4	4	2

# IRRIGATION IN HUMID AREAS

19

## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY SOURCE OF WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text.]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
932,641	4,145	180	225	729,121	3,241	140	11	13,280	1,207	2.56	132	190,240	1,441	36.63	1
326,456	6,045	208	54	221,181	4,096	141	3	10,000	3,333	6.38	54	95,275	1,764	60.76	2
217,526	5,578	213	39	157,054	4,027	154	1	4,000	4,000	3.92	39	56,472	1,448	55.36	3
31,559	7,890	230	4	20,400	5,100	149	...	...	...	...	4	11,159	2,790	81.45	4
38,001	4,750	171	8	19,427	2,428	88	1	3,000	3,000	13.51	8	15,574	1,947	70.15	5
29,700	14,850	212	2	19,000	9,500	136	1	3,000	3,000	21.43	2	7,700	3,850	55.00	6
389,989	3,578	152	109	353,473	3,243	138	5	2,100	420	0.82	31	34,416	1,110	13.43	7
325,612	3,256	137	100	299,971	3,000	126	4	1,850	462	0.78	25	23,791	952	10.03	8
54,675	9,112	372	6	44,800	7,467	305	1	250	250	1.70	5	9,625	1,925	65.48	9
2,002	1,001	286	2	2,002	1,001	286	...	...	...	...	...	...	...	...	10
16,900	4,225	59	4	16,900	4,225	59	...	...	...	...	...	...	...	...	11
16,900	4,225	59	4	16,900	4,225	59	...	...	...	...	...	...	...	...	12
184,508	4,011	287	46	123,029	2,675	192	3	1,180	393	1.84	46	60,299	1,311	93.92	13
184,508	4,011	287	46	123,029	2,675	192	3	1,180	393	1.84	46	60,299	1,311	93.92	14
7,078	885	169	8	7,078	885	169	...	...	...	...	...	...	...	...	15
7,710	1,928	83	4	7,460	1,865	80	...	...	...	...	1	250	250	2.69	16
763,815	6,365	105	120	643,216	5,360	88	4	5,550	1,388	0.76	73	115,049	1,576	15.80	17
339,884	9,997	104	34	249,953	7,352	77	3	5,500	1,833	1.69	34	84,431	2,483	25.86	18
105,959	3,924	127	27	78,553	2,909	94	1	3,000	3,000	3.59	27	24,406	904	29.19	19
28,500	7,125	101	4	23,900	5,975	84	1	2,000	2,000	7.07	4	2,600	650	9.19	20
331,586	5,717	98	58	315,083	5,432	93	1	50	50	0.01	16	16,453	1,028	4.87	21
309,286	5,728	98	54	294,783	5,459	94	1	50	50	0.02	13	14,453	1,112	4.59	22
18,000	6,000	85	3	17,500	5,833	82	...	...	...	...	2	500	250	2.35	23
40,415	2,127	235	19	31,950	1,682	186	...	...	...	...	19	8,465	446	49.22	24
40,415	2,127	235	19	31,950	1,682	186	...	...	...	...	19	8,465	446	49.22	25
3,550	1,183	394	3	3,550	1,183	394	...	...	...	...	...	...	...	...	26
48,380	8,063	105	6	42,680	7,113	92	...	...	...	...	4	5,700	1,425	12.34	27
274,312	4,156	195	66	227,311	3,444	162	3	400	133	0.28	37	46,601	1,259	33.19	28
103,443	4,926	249	21	78,197	3,724	188	2	350	175	0.84	21	24,896	1,186	59.85	29
82,138	4,832	234	17	62,107	3,653	177	1	300	300	0.85	17	19,731	1,161	56.21	30
4,645	4,645	357	1	4,000	4,000	308	...	...	...	...	1	645	645	49.62	31
71,964	3,271	195	22	63,064	2,867	171	...	...	...	...	5	8,900	1,780	24.12	32
58,564	3,082	185	19	53,664	2,824	169	...	...	...	...	3	4,900	1,633	15.46	33
13,400	4,467	258	3	9,400	3,133	181	...	...	...	...	2	4,000	2,000	76.92	34
30,200	7,550	171	4	30,200	7,550	171	...	...	...	...	...	...	...	...	35
30,200	7,550	171	4	30,200	7,550	171	...	...	...	...	...	...	...	...	36
50,705	4,610	174	11	37,850	3,441	130	1	50	50	0.17	11	12,805	1,164	44.00	37
50,705	4,610	174	11	37,850	3,441	130	1	50	50	0.17	11	12,805	1,164	44.00	38
4,200	2,100	300	2	4,200	2,100	300	...	...	...	...	...	...	...	...	39
13,800	2,300	101	6	13,800	2,300	101	...	...	...	...	...	...	...	...	40
702,669	5,283	152	133	626,048	4,707	136	8	5,410	676	1.17	68	71,211	1,047	15.43	41
143,817	5,753	169	25	105,160	4,206	124	1	1,800	1,800	2.12	25	36,857	1,474	43.41	42
84,424	4,966	154	17	63,875	3,757	117	...	...	...	...	17	20,549	1,209	37.57	43
7,250	3,625	227	2	5,800	2,900	181	...	...	...	...	2	1,450	725	45.31	44
36,143	9,036	152	4	26,385	6,596	111	...	...	...	...	4	9,758	2,440	41.00	45
312,304	5,479	151	57	306,142	5,371	148	4	2,280	570	1.10	8	3,882	485	1.87	46
190,193	4,047	148	47	187,548	3,990	146	3	780	260	0.61	4	1,865	466	1.45	47
98,120	16,353	152	6	96,620	16,103	150	1	1,500	1,500	2.33	...	...	...	...	48
23,991	5,998	167	4	21,974	5,494	153	...	...	...	...	4	2,017	504	14.01	49
70,787	4,719	188	15	69,387	4,626	184	1	600	600	1.59	1	800	800	2.12	50
69,237	4,946	186	14	68,637	4,903	184	1	600	600	1.61	...	...	...	...	51
163,014	5,259	132	31	133,359	4,302	108	2	730	365	0.59	31	28,925	933	23.50	52
163,014	5,259	132	31	133,359	4,302	108	2	730	365	0.59	31	28,925	933	23.50	53
3,000	3,000	83	1	3,000	3,000	83	...	...	...	...	...	...	...	...	54
9,747	2,437	207	4	9,000	2,250	191	...	...	...	...	3	747	249	15.89	55

## IRRIGATION IN HUMID AREAS

Table 4.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms]

Data on cost of irrigation systems were reported only for farms										
State and source of water (see text)		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Michigan.....	547	502	9,832	512	11,545	13,638	539	621	257
2	Wells and combinations of wells with other sources..	97	89	2,381	95	2,734	3,427	97	138	40
3	Wells only.....	61	57	1,368	60	1,562	1,791	61	75	12
4	Wells and streams only.....	9	9	513	8	483	923	9	18	5
5	Wells and springs only.....	14	10	166	14	256	251	14	22	13
6	Wells, streams, and springs only.....	2	2	122	2	119	124	2	4	2
7	Wells and lakes only.....	10	10	210	10	309	333	10	16	7
8	Streams and combinations of streams with other sources (except wells).....	256	232	4,472	233	5,270	6,198	253	278	83
9	Streams only.....	217	196	3,778	197	4,466	5,251	214	233	58
10	Streams and lakes only.....	17	16	370	17	414	464	17	20	6
11	Streams and springs only.....	20	18	274	17	356	433	20	23	18
12	Lakes and combinations of lakes with other sources (except wells and streams).....	92	85	1,502	89	1,851	2,057	92	102	46
13	Lakes only.....	77	71	1,109	74	1,348	1,583	77	85	36
14	Lakes and springs and combinations of lakes with other sources.....	15	14	393	15	503	474	15	17	10
15	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	93	87	1,418	88	1,666	1,874	91	97	87
16	Springs only.....	91	85	1,408	86	1,649	1,857	89	95	85
17	Springs and city only.....	2	2	10	2	17	17	2	2	2
18	City and combination of city with other sources (except wells, streams, lakes, and springs).....	5	5	14	5	17	17	2	2	...
19	Other sources.....	3	3	40	1	2	60	3	3	...
20	Source not reported.....	1	1	5	1	5	5	1	1	1
21	Minnesota.....	94	90	2,719	81	2,509	3,392	93	108	8
22	Wells and combinations of wells with other sources..	36	36	1,324	33	1,394	1,549	36	49	1
23	Wells only.....	33	33	1,175	30	1,225	1,375	33	43	...
24	Wells and streams only.....	3	3	149	3	169	174	3	6	1
25	Streams and combinations of streams with other sources (except wells).....	30	28	1,025	24	796	1,328	30	32	3
26	Streams only.....	28	26	942	22	720	1,244	28	30	2
27	Streams and springs only.....	2	2	83	2	76	84	2	2	1
28	Lakes and combinations of lakes with other sources (except wells and streams).....	23	21	303	19	250	436	23	23	1
29	Lakes only.....	22	20	301	18	238	424	22	22	...
30	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	2	2	33	2	35	45	2	2	2
31	Springs only.....	2	2	33	2	35	45	2	2	2
32	City and combination of city with other sources (except wells, streams, lakes, and springs).....	1	1	1	1	1	1	...	...	...
33	Other sources.....	2	2	33	2	33	33	2	2	1
34	Iowa.....	21	20	576	20	727	820	20	23	8
35	Wells and combinations of wells with other sources..	4	3	38	4	73	59	4	6	1
36	Wells only.....	4	3	38	4	73	59	4	6	1
37	Streams and combinations of streams with other sources (except wells).....	13	13	489	12	603	710	13	14	4
38	Streams only.....	11	11	365	10	483	556	11	12	4
39	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	3	3	46	3	48	48	3	3	3
40	Springs only.....	3	3	46	3	48	48	3	3	3
41	City and combination of city with other sources (except wells, streams, lakes, and springs).....	1	1	3	1	3	3	...	...	...
42	Missouri.....	280	271	15,528	206	9,818	17,340	264	320	50
43	Wells and combinations of wells with other sources..	54	52	4,667	47	3,334	5,108	53	78	10
44	Wells only.....	43	42	3,777	38	2,701	4,168	43	59	3
45	Wells and streams only.....	4	4	292	4	79	314	4	7	2
46	Wells and springs only.....	2	1	20	1	40	48	2	5	2
47	Wells and lakes only.....	3	3	115	2	53	115	3	4	2
48	Streams and combinations of streams with other sources (except wells).....	181	176	9,497	119	5,509	10,494	179	205	20
49	Streams only.....	171	166	9,025	110	4,927	9,846	169	194	16
50	Streams and springs only.....	9	9	419	8	529	595	9	10	4
51	Lakes and combinations of lakes with other sources (except wells and streams).....	5	4	201	4	157	384	5	6	...
52	Lakes only.....	5	4	201	4	157	384	5	6	...
53	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	21	20	434	21	496	614	18	20	20
54	Springs only.....	19	18	426	19	489	606	16	18	18
55	Springs and city only.....	2	2	8	2	7	8	2	2	2
56	City and combination of city with other sources (except wells, streams, lakes, and springs).....	13	13	173	13	167	164	3	3	...
57	Other sources.....	6	6	556	2	155	576	6	8	...

# IRRIGATION IN HUMID AREAS

21

## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY SOURCE OF WATER, BY STATES: 1955--Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
2,243,235	4,101	228	545	1,921,974	3,527	195	43	41,196	958	4.19	329	280,065	851	28.49	1
679,528	7,005	285	97	495,442	5,108	208	7	22,335	3,191	9.38	97	161,751	1,668	67.93	2
424,937	6,966	311	61	326,788	5,357	239	2	400	200	0.29	61	97,749	1,602	71.45	3
115,180	12,798	225	9	73,515	8,168	143	2	20,600	10,300	40.16	9	21,065	2,341	41.06	4
66,581	4,756	401	14	47,364	3,383	285	1	585	585	3.52	14	18,632	1,331	112.24	5
15,500	7,750	127	2	8,500	4,250	70	1	700	700	5.74	2	6,300	3,150	51.64	6
54,830	5,483	261	10	37,675	3,768	179	1	50	50	0.24	10	17,105	1,710	81.45	7
884,437	3,455	198	255	830,441	3,257	186	21	12,574	599	2.81	88	41,422	471	9.26	8
730,007	3,364	193	216	690,275	3,196	183	18	10,832	602	2.87	60	28,900	482	7.65	9
61,513	3,618	166	17	55,788	3,282	151	1	1,000	1,000	2.70	9	4,725	525	12.77	10
87,037	4,352	318	20	79,350	3,968	290	1	40	40	0.15	18	7,647	425	27.91	11
293,938	3,195	196	92	270,389	2,939	180	7	2,362	337	1.57	49	21,187	432	14.11	12
233,413	3,096	215	77	222,999	2,896	201	6	2,162	360	1.95	36	13,252	368	11.95	13
55,525	3,702	141	15	47,390	3,159	121	1	200	200	0.51	13	7,935	610	20.19	14
343,762	3,696	242	92	284,452	3,092	201	7	3,845	549	2.71	93	55,465	596	39.11	15
341,737	3,755	243	90	282,752	3,142	201	7	3,845	549	2.73	91	55,140	606	39.16	16
2,025	1,013	202	2	1,700	850	170	...	...	...	...	2	325	162	32.50	17
36,150	7,230	2,582	5	36,150	7,230	2,582	...	...	...	...	...	...	...	...	18
4,460	1,487	112	3	4,300	1,433	108	1	80	80	2.00	1	80	80	2.00	19
960	960	192	1	800	800	160	...	...	...	...	1	160	160	32.00	20
520,844	5,541	192	94	454,455	4,835	167	6	5,533	922	2.03	44	60,856	1,383	22.38	21
252,813	7,023	191	36	200,619	5,573	152	1	2,500	2,500	1.89	36	49,694	1,380	37.53	22
198,513	6,016	169	33	158,619	4,807	135	...	...	...	...	33	39,894	1,209	33.95	23
54,300	18,100	364	3	42,000	14,000	282	1	2,500	2,500	16.78	3	9,800	3,267	65.77	24
145,896	4,863	142	30	135,361	4,512	132	3	2,275	758	2.22	3	8,260	2,753	8.06	25
136,430	4,873	145	28	126,655	4,523	134	3	2,275	758	2.42	2	7,500	3,750	7.96	26
9,466	4,733	114	2	8,706	4,353	105	...	...	...	...	1	760	760	9.16	27
110,749	4,815	366	23	109,474	4,760	361	1	475	475	1.57	1	800	800	2.64	28
105,949	4,816	352	22	105,474	4,794	350	1	475	475	1.58	...	...	...	...	29
6,186	3,093	187	2	4,451	2,226	135	1	283	283	8.58	2	1,452	726	44.00	30
6,186	3,093	187	2	4,451	2,226	135	1	283	283	8.58	2	1,452	726	44.00	31
200	200	200	1	200	200	200	...	...	...	...	...	...	...	...	32
5,000	2,500	152	2	4,350	2,175	132	...	...	...	...	2	650	325	19.70	33
83,107	3,957	144	21	71,047	3,383	123	2	790	395	1.37	12	11,270	939	19.57	34
20,765	5,191	546	4	16,805	4,201	442	...	...	...	...	4	3,960	990	4.21	35
20,765	5,191	546	4	16,805	4,201	442	...	...	...	...	4	3,960	990	4.21	36
53,571	4,121	110	13	47,556	3,658	97	2	790	395	1.62	5	5,225	1,045	10.69	37
41,871	3,806	115	11	36,356	3,305	100	2	790	395	2.16	4	4,725	1,181	12.95	38
8,360	2,787	182	3	6,275	2,092	136	...	...	...	...	3	2,085	695	45.33	39
8,360	2,787	182	3	6,275	2,092	136	...	...	...	...	3	2,085	695	45.33	40
411	411	137	1	411	411	137	...	...	...	...	...	...	...	...	41
1,318,692	4,710	85	278	1,105,366	3,976	71	39	35,111	900	2.26	98	178,215	1,819	11.48	42
418,744	7,755	90	54	314,467	5,823	67	15	15,341	1,023	3.29	54	88,936	1,647	19.06	43
281,789	6,553	75	43	218,267	5,076	58	12	9,741	812	2.58	43	53,781	1,251	14.24	44
26,025	6,506	89	4	20,950	5,238	72	1	600	600	2.05	4	4,475	1,119	15.33	45
19,580	9,790	979	2	15,000	7,500	750	1	1,000	1,000	50.00	2	3,580	1,790	179.00	46
62,900	20,967	547	3	39,000	13,000	339	...	...	...	...	3	23,900	7,967	207.83	47
774,374	4,278	82	179	690,295	3,856	73	21	18,995	905	2.00	23	65,084	2,830	6.85	48
734,567	4,296	81	169	652,718	3,862	72	20	18,985	949	2.10	19	62,864	3,309	6.97	49
37,007	4,112	88	9	34,777	3,864	83	1	10	10	0.02	4	2,220	555	5.30	50
13,750	2,750	68	5	13,750	2,750	68	...	...	...	...	...	...	...	...	51
13,750	2,750	68	5	13,750	2,750	68	...	...	...	...	...	...	...	...	52
63,099	3,005	145	21	38,829	1,849	89	2	75	38	0.17	21	24,195	1,152	55.75	53
61,049	3,213	143	19	37,279	1,962	88	2	75	38	0.18	19	23,695	1,247	55.62	54
2,050	1,025	256	2	1,550	775	194	...	...	...	...	2	500	250	62.50	55
21,600	1,662	125	13	21,600	1,662	125	...	...	...	...	...	...	...	...	56
27,125	4,521	49	6	26,425	4,404	48	1	700	700	1.26	...	...	...	...	57

## IRRIGATION IN HUMID AREAS

Table 4.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms

Data on cost of irrigation systems were reported only for farms										
State and source of water (see text)		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Delaware.....	33	32	2,600	31	3,187	3,359	33	39	21
2	Wells and combinations of wells with other sources..	6	6	568	6	910	889	6	9	4
3	Wells only.....	5	5	448	5	750	729	5	7	3
4	Streams and combinations of streams with other sources (except wells).....	15	15	1,210	13	1,203	1,384	15	18	9
5	Streams only.....	12	12	927	10	853	1,034	12	13	6
6	Streams and springs only.....	2	2	218	2	270	270	2	4	2
7	Lakes and combinations of lakes with other sources (except wells and streams).....	4	4	447	4	475	490	4	4	...
8	Lakes only.....	4	4	447	4	475	490	4	4	...
9	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	8	7	375	8	599	596	8	8	8
10	Springs only.....	8	7	375	8	599	596	8	8	8
11	Maryland.....	101	93	5,328	92	6,157	7,068	100	119	58
12	Wells and combinations of wells with other sources..	8	8	448	7	440	501	8	11	6
13	Wells only.....	2	2	52	2	67	67	2	2	1
14	Wells and streams only.....	2	2	182	2	182	180	2	4	1
15	Wells and springs only.....	3	3	159	2	81	159	3	3	3
16	Streams and combinations of streams with other sources (except wells).....	68	63	4,472	64	5,334	6,058	67	83	31
17	Streams only.....	54	49	2,998	50	3,378	3,942	53	58	20
18	Streams and lakes only.....	8	8	396	8	713	771	8	10	5
19	Streams and springs only.....	6	6	1,078	6	1,243	1,345	6	15	6
20	Lakes and combinations of lakes with other sources (except wells and streams).....	6	6	134	6	142	180	6	6	3
21	Lakes only.....	5	5	128	5	136	174	5	5	3
22	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	18	15	271	15	241	326	18	18	18
23	Springs only.....	18	15	271	15	241	326	18	18	18
24	Other sources.....	1	1	3	...	...	3	1	1	...
25	Virginia.....	297	284	11,793	255	9,042	13,219	294	325	192
26	Wells and combinations of wells with other sources..	6	5	27	4	9	41	6	8	3
27	Wells only.....	4	4	24	3	7	23	4	4	1
28	Streams and combinations of streams with other sources (except wells).....	190	185	8,652	155	6,006	9,702	188	209	93
29	Streams only.....	172	167	7,988	138	5,464	8,866	170	186	80
30	Streams and lakes only.....	2	2	83	2	90	87	2	2	...
31	Streams and springs only.....	16	16	581	15	452	749	16	21	13
32	Lakes and combinations of lakes with other sources (except wells and streams).....	8	6	325	8	449	434	8	10	4
33	Lakes only.....	4	4	106	4	223	225	4	4	...
34	Lakes and springs and combinations of lakes with other sources.....	4	2	219	4	226	209	4	6	4
35	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	92	87	2,782	87	2,571	3,038	92	98	92
36	Springs only.....	92	87	2,782	87	2,571	3,038	92	98	92
37	City and combination of city with other sources (except wells, streams, lakes, and springs).....	1	1	7	1	7	4	...	...	...
38	West Virginia.....	16	16	736	15	671	777	15	17	5
39	Wells and combinations of wells with other sources..	1	1	15	1	20	20	1	1	1
40	Streams and combinations of streams with other sources (except wells).....	13	13	621	12	550	656	12	14	2
41	Streams only.....	12	12	618	11	547	653	12	14	1
42	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	2	2	100	2	101	101	2	2	2
43	Springs only.....	2	2	100	2	101	101	2	2	2

# IRRIGATION IN HUMID AREAS

23

## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY SOURCE OF WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	1
109,800	18,300	193	6	87,000	14,500	153	1	1,900	1,900	3.35	6	20,900	3,483	36.80	2
83,800	16,760	187	5	67,000	13,400	150	1	1,900	1,900	4.24	5	14,900	2,980	33.26	3
130,649	8,710	108	15	121,400	8,093	100	2	600	300	0.50	9	8,649	961	7.15	4
87,149	7,262	94	12	81,900	6,825	88	2	600	300	0.65	6	4,649	775	5.02	5
32,000	16,000	147	2	28,500	14,250	131	...	...	...	...	2	3,500	1,750	16.06	6
40,509	10,127	91	4	40,434	10,108	90	...	...	...	...	1	75	75	0.17	7
40,509	10,127	91	4	40,434	10,108	90	...	...	...	...	1	75	75	0.17	8
75,895	9,487	202	8	49,733	6,217	133	...	...	...	...	8	26,162	3,270	69.77	9
75,895	9,487	202	8	49,733	6,217	133	...	...	...	...	8	26,162	3,270	69.77	10
687,578	6,808	129	100	534,795	5,348	100	9	8,025	892	1.51	66	144,758	2,193	27.17	11
56,505	7,063	126	8	38,675	4,834	86	1	1,000	1,000	2.23	8	16,830	2,104	37.57	12
6,805	3,402	131	2	4,975	2,488	96	...	...	...	...	2	1,830	915	35.19	13
15,000	7,500	82	2	13,000	6,500	71	...	...	...	...	2	2,000	1,000	10.99	14
20,000	6,667	126	3	11,000	3,667	69	1	1,000	1,000	6.29	3	8,000	2,667	50.31	15
543,066	7,986	121	67	434,581	6,486	97	5	3,300	660	0.74	36	105,185	2,922	23.52	16
336,515	6,232	112	53	305,380	5,762	102	3	2,750	917	0.92	23	28,385	1,234	9.47	17
60,300	7,538	152	8	52,400	6,550	132	2	550	275	1.39	7	7,350	1,050	18.56	18
146,251	24,375	136	6	76,801	12,800	71	...	...	...	...	6	69,450	11,575	64.42	19
28,900	4,817	216	6	19,500	3,250	146	1	3,000	3,000	22.39	4	6,400	1,600	47.76	20
22,400	4,480	175	5	14,500	2,900	113	1	3,000	3,000	23.44	3	4,900	1,633	38.28	21
58,607	3,256	216	18	41,539	2,308	153	2	725	362	2.68	18	16,343	908	60.31	22
58,607	3,256	216	18	41,539	2,308	153	2	725	362	2.68	18	16,343	908	60.31	23
500	500	167	1	500	500	167	...	...	...	...	...	...	...	...	24
1,812,422	6,102	154	296	1,337,113	4,517	113	19	21,420	1,127	1.82	202	453,889	2,247	38.49	25
27,959	4,660	1,036	6	12,809	2,135	474	...	...	...	...	6	15,150	2,525	561.11	26
14,550	3,638	606	4	8,000	2,000	333	...	...	...	...	4	6,550	1,638	272.92	27
1,115,624	5,872	129	189	870,505	4,606	101	8	3,580	448	0.41	100	241,539	2,415	27.92	28
1,011,445	5,880	127	171	798,831	4,672	100	6	2,180	363	0.27	86	210,434	2,447	26.34	29
15,000	7,500	181	2	10,500	5,250	127	...	...	...	...	1	4,500	4,500	54.22	30
89,179	5,574	153	16	61,174	3,823	105	2	1,400	700	2.41	13	26,605	2,047	45.79	31
56,745	7,093	175	8	50,800	6,350	156	1	100	100	0.31	4	5,845	1,461	17.98	32
31,600	7,900	298	4	31,500	7,875	297	1	100	100	0.94	...	...	...	...	33
25,145	6,286	115	4	19,300	4,825	88	...	...	...	...	4	5,845	1,461	26.69	34
611,219	6,644	220	92	402,124	4,371	146	10	17,740	1,774	6.38	92	191,355	2,080	68.78	35
611,219	6,644	220	92	402,124	4,371	146	10	17,740	1,774	6.38	92	191,355	2,080	68.78	36
875	875	125	1	875	875	125	...	...	...	...	...	...	...	...	37
89,590	5,599	122	16	67,490	4,218	92	1	200	200	0.27	5	21,900	4,380	29.76	38
3,500	3,500	233	1	2,000	2,000	133	...	...	...	...	1	1,500	1,500	100.00	39
59,390	4,568	96	13	55,790	4,292	90	1	200	200	0.32	2	3,400	1,700	5.48	40
58,290	4,858	94	12	55,290	4,608	89	...	...	...	...	1	3,000	3,000	4.85	41
26,700	13,350	267	2	9,700	4,850	97	...	...	...	...	2	17,000	8,500	170.00	42
26,700	13,350	267	2	9,700	4,850	97	...	...	...	...	2	17,000	8,500	170.00	43

## IRRIGATION IN HUMID AREAS

Table 4.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms

	State and source of water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	North Carolina.....	799	781	15,391	672	12,123	17,920	793	882	588
2	Wells and combinations of wells with other sources..	32	30	473	31	481	636	32	42	19
3	Wells only.....	15	14	150	15	153	182	15	18	4
4	Wells and streams only.....	5	4	87	4	141	192	5	6	4
5	Wells and springs only.....	8	8	138	8	111	162	8	9	8
6	Wells and city only.....	2	2	3	2	5	5	2	3	1
7	Streams and combinations of streams with other sources (except wells).....	478	470	10,716	374	7,877	12,427	474	528	285
8	Streams only.....	441	433	9,289	338	6,906	10,893	437	478	248
9	Streams and lakes only.....	5	5	236	5	137	236	5	5	5
10	Streams and springs only.....	32	32	1,191	31	834	1,298	32	45	32
11	Lakes and combinations of lakes with other sources (except wells and streams).....	7	7	189	6	107	201	7	7	5
12	Lakes only.....	4	4	87	4	70	99	4	4	2
13	Lakes and springs and combinations of lakes with other sources.....	3	3	102	2	37	102	3	3	3
14	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	279	271	3,997	259	3,654	4,640	279	304	279
15	Springs only.....	279	271	3,997	259	3,654	4,640	279	304	279
16	City and combination of city with other sources (except wells, streams, lakes, and springs).....	2	2	4	2	4	4	...	...	...
17	Other sources.....	1	1	12	...	...	12	1	1	...
18	South Carolina.....	234	223	10,180	183	6,956	11,848	229	279	187
19	Wells and combinations of wells with other sources..	26	25	1,053	24	1,114	1,302	26	40	20
20	Wells only.....	11	11	474	10	472	587	11	16	7
21	Wells and streams only.....	4	3	93	4	86	103	4	5	2
22	Wells and springs only.....	8	8	175	7	207	253	8	12	8
23	Wells in combinations with other sources.....	2	2	307	2	345	355	2	6	2
24	Streams and combinations of streams with other sources (except wells).....	131	128	6,794	95	4,164	7,590	127	153	94
25	Streams only.....	107	104	4,962	73	3,031	5,716	103	120	71
26	Streams and springs only.....	24	24	1,832	22	1,133	1,874	24	33	23
27	Lakes and combinations of lakes with other sources (except wells and streams).....	2	2	20	2	24	43	2	2	1
28	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	72	65	2,023	61	1,605	2,623	72	82	72
29	Springs only.....	72	65	2,023	61	1,605	2,623	72	82	72
30	City and combination of city with other sources (except wells, streams, lakes, and springs).....	2	2	230	...	...	230	1	1	...
31	Other sources.....	1	1	60	1	49	60	1	1	...
32	Georgia.....	408	381	12,679	370	12,907	16,197	402	478	320
33	Wells and combinations of wells with other sources..	61	56	3,242	58	4,179	4,324	61	98	50
34	Wells only.....	27	25	878	26	1,033	1,205	27	39	16
35	Wells and streams only.....	10	10	500	8	799	816	10	15	10
36	Wells and springs only.....	19	16	343	19	647	660	19	31	19
37	Wells, streams, and springs only.....	1	1	465	1	715	715	1	5	1
38	Wells and lakes only.....	2	2	310	2	310	303	2	3	2
39	Streams and combinations of streams with other sources (except wells).....	227	219	7,640	196	6,622	9,586	223	248	152
40	Streams only.....	216	208	6,600	188	6,166	8,486	212	235	142
41	Streams and springs only.....	11	11	1,040	8	456	1,100	11	13	10
42	Lakes and combinations of lakes with other sources (except wells and streams).....	3	2	17	2	25	37	3	3	2
43	Lakes only.....	2	1	12	1	20	32	2	2	1
44	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	116	103	1,779	113	2,079	2,248	115	129	116
45	Springs only.....	114	102	1,729	111	1,955	2,124	113	122	114
46	Springs and city only.....	2	1	50	2	124	124	2	7	2
47	City and combination of city with other sources (except wells, streams, lakes, and springs).....	1	1	1	1	2	2	...	...	...

SYSTEMS. FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY SOURCE OF WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
3,988,395	4,992	259	796	2,832,441	3,558	184	59	37,676	639	2.45	613	1,118,278	1,824	72.66	1
172,834	5,401	365	32	125,898	3,934	266	5	6,380	1,276	13.49	32	40,556	1,267	85.74	2
73,661	4,911	491	15	53,751	3,584	358	2	2,180	1,090	14.53	15	17,730	1,182	118.20	3
35,000	7,000	402	5	28,600	5,720	329	2	1,700	850	19.54	5	4,700	940	54.02	4
43,283	5,490	318	8	30,297	3,787	220	...	...	...	...	8	13,626	1,703	96.74	5
4,500	2,250	1,500	2	3,250	1,625	1,083	...	...	...	...	2	1,250	625	416.67	6
2,305,699	4,824	215	475	1,692,917	3,564	158	35	24,375	697	2.27	297	588,407	1,981	54.91	7
1,964,502	4,455	211	438	1,459,240	3,332	157	32	22,275	696	2.40	260	482,987	1,858	52.00	8
50,527	10,105	214	5	18,927	3,785	80	1	900	900	3.81	5	30,700	6,140	130.08	9
290,670	9,083	244	32	214,750	6,711	180	2	1,200	600	1.01	32	74,720	2,335	62.74	10
37,640	5,377	199	7	25,240	3,606	134	1	900	900	4.76	5	11,500	2,300	60.85	11
15,900	3,975	183	4	12,300	3,075	141	1	900	900	10.34	2	2,700	1,350	31.03	12
21,740	7,247	213	3	12,940	4,313	127	...	...	...	...	3	8,800	2,933	86.27	13
1,469,217	5,266	368	279	985,536	3,532	247	16	5,866	367	1.47	279	477,815	1,713	119.54	14
1,469,217	5,266	368	279	985,536	3,532	247	16	5,866	367	1.47	279	477,815	1,713	119.54	15
1,005	502	251	2	850	425	212	2	155	78	38.75	...	...	...	...	16
2,000	2,000	167	1	2,000	2,000	167	...	...	...	...	...	...	...	...	17
1,576,599	6,738	155	232	1,059,966	4,569	104	29	34,167	1,178	3.36	194	482,466	2,487	47.39	18
195,370	7,514	186	26	133,735	5,144	127	5	3,050	610	2.90	26	58,585	2,253	55.64	19
79,095	7,190	167	11	64,855	5,896	137	...	...	...	...	11	14,240	1,295	30.04	20
15,700	3,925	169	4	11,050	2,763	119	...	...	...	...	4	4,650	1,162	50.00	21
49,600	6,200	283	8	30,755	3,844	176	3	2,250	750	12.86	8	16,595	2,074	94.83	22
46,575	23,288	152	2	25,775	12,888	84	1	300	300	0.98	2	20,500	10,250	66.78	23
860,442	6,568	127	129	586,306	4,545	86	13	18,830	1,449	2.77	95	255,306	2,687	37.58	24
681,136	6,366	137	105	473,975	4,514	96	10	12,330	1,233	2.48	71	194,831	2,744	39.26	25
179,306	7,471	98	24	112,331	4,680	61	3	6,500	2,167	3.55	24	60,475	2,520	33.01	26
7,640	3,820	382	2	6,800	3,400	340	...	...	...	...	1	840	840	42.00	27
492,472	6,840	243	72	314,625	4,370	156	10	10,112	1,011	5.00	72	167,735	2,330	82.91	28
492,472	6,840	243	72	314,625	4,370	156	10	10,112	1,011	5.00	72	167,735	2,330	82.91	29
9,500	4,750	41	2	9,500	4,750	41	...	...	...	...	...	...	...	...	30
11,175	11,175	186	1	9,000	9,000	150	1	2,175	2,175	36.25	...	...	...	...	31
2,944,255	7,216	232	403	1,970,929	4,891	155	36	32,001	889	2.52	339	941,325	2,777	74.24	32
773,627	12,682	239	61	489,681	8,028	151	8	10,375	1,297	3.20	61	273,571	4,485	84.38	33
213,752	7,917	243	27	114,575	4,244	130	4	4,800	1,200	5.47	27	94,377	3,495	107.49	34
226,700	22,670	453	10	160,100	16,010	320	...	...	...	...	10	66,600	6,660	133.20	35
178,725	9,407	521	19	107,106	5,637	312	2	325	162	0.95	19	71,294	3,752	207.85	36
50,000	50,000	108	1	40,000	40,000	86	1	5,000	5,000	10.75	1	5,000	5,000	10.75	37
10,750	5,375	35	2	2,900	1,450	9	1	250	250	0.81	2	7,600	3,800	24.52	38
1,513,802	6,669	198	222	1,036,823	4,670	136	23	19,750	859	2.59	160	457,229	2,858	59.85	39
1,406,847	6,513	213	211	965,708	4,577	146	21	18,500	881	2.80	150	422,639	2,818	64.04	40
106,955	9,723	103	11	71,115	6,465	68	2	1,250	625	1.20	10	34,590	3,459	33.26	41
9,754	3,251	574	3	9,004	3,001	530	...	...	...	...	2	750	375	44.12	42
8,079	4,040	673	2	7,504	3,752	625	...	...	...	...	1	575	575	47.92	43
646,272	5,571	363	116	434,621	3,747	244	5	1,876	375	1.05	116	209,775	1,808	117.92	44
605,772	5,314	350	114	405,621	3,558	235	5	1,876	375	1.09	114	198,275	1,739	114.68	45
40,500	20,250	610	2	29,000	14,500	580	...	...	...	...	2	11,500	5,750	230.00	46
800	800	800	1	800	800	800	...	...	...	...	...	...	...	...	47

## IRRIGATION IN HUMID AREAS

Table 4.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms]

Data on cost of irrigation systems were reported only for farms										
State and source of water (see text)		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Kentucky.....	376	366	8,341	246	4,221	9,443	371	399	122
2	Wells and combinations of wells with other sources.....	18	17	330	16	234	368	18	24	5
3	Wells only.....	12	12	145	11	97	150	12	15	1
4	Wells and streams only.....	3	3	156	3	115	178	3	5	2
5	Wells and springs only.....	2	2	29	2	22	30	2	3	2
6	Streams and combinations of streams with other sources (except wells).....	282	276	7,033	180	3,223	7,779	280	293	61
7	Streams only.....	257	252	6,287	161	2,754	6,914	255	268	49
8	Streams and lakes only.....	16	15	514	11	298	594	16	16	8
9	Streams and springs only.....	7	7	163	7	132	187	7	7	4
10	Streams and city only.....	2	2	69	1	39	84	2	2	...
11	Lakes and combinations of lakes with other sources (except wells and streams).....	16	15	73	5	37	79	16	18	4
12	Lakes only.....	15	14	69	5	37	75	15	17	4
13	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	54	52	840	41	705	1,153	54	60	52
14	Springs only.....	54	52	840	41	705	1,153	54	60	52
15	City and combination of city with other sources (except wells, streams, lakes, and springs).....	5	5	63	4	22	62	2	3	...
16	Other sources.....	1	1	2	...	...	2	1	1	...
17	Tennessee.....	366	342	12,044	294	8,605	14,415	360	393	97
18	Wells and combinations of wells with other sources.....	25	23	1,644	22	1,242	1,981	25	34	19
19	Wells only.....	13	11	895	12	750	1,047	13	19	7
20	Wells and streams only.....	5	5	299	4	268	470	5	7	5
21	Wells and springs only.....	5	5	389	4	149	389	5	5	5
22	Wells and lakes only.....	2	2	61	2	75	75	2	3	2
23	Streams and combinations of streams with other sources (except wells).....	300	280	9,918	237	7,011	11,746	300	321	50
24	Streams only.....	281	263	9,310	221	6,392	10,946	281	298	35
25	Streams and lakes only.....	4	3	209	3	201	309	4	5	4
26	Streams and springs only.....	14	13	305	12	318	391	14	16	11
27	Lakes and combinations of lakes with other sources (except wells and streams).....	6	5	48	4	45	70	5	5	2
28	Lakes only.....	6	5	48	4	45	70	5	5	2
29	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	26	25	353	24	244	530	26	29	26
30	Springs only.....	25	24	338	23	232	515	25	28	25
31	City and combination of city with other sources (except wells, streams, lakes, and springs).....	5	5	10	4	10	11	...	...	...
32	Other sources.....	4	4	71	3	53	77	4	4	...
33	Alabama.....	156	151	7,839	129	6,410	9,884	155	197	61
34	Wells and combinations of wells with other sources.....	32	31	1,256	31	1,809	1,964	32	53	18
35	Wells only.....	25	25	985	24	1,265	1,420	25	40	12
36	Wells and streams only.....	6	5	269	6	542	542	6	12	5
37	Streams and combinations of streams with other sources (except wells).....	109	106	6,281	85	4,244	7,519	109	128	29
38	Streams only.....	101	98	5,737	80	3,969	6,906	101	119	24
39	Streams and springs only.....	5	5	362	4	210	370	5	6	3
40	Streams in combination with other sources.....	2	2	178	...	...	178	2	2	1
41	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	14	13	285	12	345	384	13	15	14
42	Springs only.....	14	13	285	12	345	384	13	15	14
43	City and combination of city with other sources (except wells, streams, lakes, and springs).....	1	1	17	1	12	17	1	1	...
44	Mississippi.....	374	366	55,871	279	44,993	65,596	360	675	114
45	Wells and combinations of wells with other sources.....	152	149	35,950	136	31,283	42,854	151	374	46
46	Wells only.....	95	92	16,660	82	14,201	19,951	94	173	20
47	Wells and streams only.....	35	35	7,962	33	8,115	10,873	35	96	10
48	Wells and springs only.....	14	14	3,648	14	3,020	4,127	14	36	11
49	Wells, streams, and springs only.....	3	3	977	3	728	1,185	3	13	3
50	Wells and lakes only.....	2	2	575	1	150	575	2	3	...
51	Wells in combinations with other sources.....	3	3	6,128	3	5,069	6,143	3	53	2
52	Streams and combinations of streams with other sources (except wells).....	180	177	16,790	115	11,059	18,862	171	246	55
53	Streams only.....	174	171	16,065	112	10,739	18,137	165	235	51
54	Streams and springs only.....	5	5	635	3	320	635	5	9	4
55	Lakes and combinations of lakes with other sources (except wells and streams).....	28	26	2,779	18	2,241	3,391	28	42	...
56	Lakes only.....	28	26	2,779	18	2,241	3,391	28	42	...
57	Springs and combinations of springs with other sources (except wells, streams, and lakes).....	13	13	269	9	319	398	9	12	13
58	Springs only.....	13	13	269	9	319	398	9	12	13
59	Other sources.....	1	1	83	1	91	91	1	1	...

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
1,376,536	3,661	165	376	1,155,730	3,074	139	7	1,574	225	0.19	145	219,232	1,512	26.28	1
53,723	2,985	163	18	41,649	2,314	126	...	...	...	...	18	12,074	671	36.59	2
25,045	2,087	173	12	20,800	1,733	143	...	...	...	...	12	4,245	354	29.28	3
17,822	5,941	114	3	12,093	4,031	78	...	...	...	...	3	5,729	1,910	36.72	4
9,456	4,728	326	2	7,556	3,778	261	...	...	...	...	2	1,900	950	65.52	5
985,558	3,495	140	282	876,793	3,109	125	6	1,112	185	0.16	69	107,653	1,560	15.31	6
881,048	3,428	140	257	794,933	3,093	126	5	1,012	202	0.16	55	85,103	1,547	13.54	7
64,848	4,053	126	16	59,598	3,725	116	...	...	...	...	10	5,250	525	10.21	8
33,962	4,892	208	7	16,562	2,366	102	1	100	100	0.61	4	17,300	4,325	106.13	9
5,700	2,850	83	2	5,700	2,850	83	...	...	...	...	...	...	...	...	10
35,400	2,212	485	16	34,490	2,156	472	...	...	...	...	4	910	228	12.47	11
35,340	2,356	512	15	34,430	2,295	499	...	...	...	...	4	910	228	13.19	12
294,098	5,446	350	54	195,041	3,612	232	1	462	462	0.55	54	98,595	1,826	117.38	13
294,098	5,446	350	54	195,041	3,612	232	1	462	462	0.55	54	98,595	1,826	117.38	14
7,557	1,511	120	5	7,557	1,511	120	...	...	...	...	...	...	...	...	15
200	200	100	1	200	200	100	...	...	...	...	...	...	...	...	16
1,481,815	4,049	123	366	1,277,314	3,490	106	13	10,755	827	0.89	105	193,746	1,845	16.09	17
272,923	10,917	166	25	164,277	6,571	100	4	4,415	1,104	2.69	25	104,231	4,169	63.40	18
135,038	10,388	151	13	89,302	6,869	100	4	4,415	1,104	4.93	13	41,321	3,179	46.17	19
54,100	10,820	181	5	34,100	6,820	114	...	...	...	...	5	20,000	4,000	66.89	20
61,785	12,357	159	5	30,875	6,175	79	...	...	...	...	5	30,910	6,182	79.46	21
22,000	11,000	361	2	10,000	5,000	164	...	...	...	...	2	12,000	6,000	196.72	22
1,077,763	3,593	109	300	1,007,198	3,357	102	8	6,320	790	0.64	52	64,245	1,235	6.48	23
955,205	3,399	103	281	918,005	3,267	99	7	6,300	900	0.68	36	30,900	858	3.32	24
45,650	11,412	218	4	42,500	10,625	203	...	...	...	...	4	3,150	788	15.07	25
71,858	5,133	236	14	41,693	2,978	137	1	20	20	0.07	11	30,145	2,740	98.84	26
15,320	2,553	319	6	14,200	2,367	296	1	20	20	0.42	2	1,100	550	22.92	27
15,320	2,553	319	6	14,200	2,367	296	1	20	20	0.42	2	1,100	550	22.92	28
102,059	3,925	289	26	77,889	2,996	221	...	...	...	...	26	24,170	930	68.47	29
98,706	3,948	292	25	75,136	3,005	222	...	...	...	...	25	23,570	943	69.73	30
2,700	540	270	5	2,700	540	270	...	...	...	...	...	...	...	...	31
11,050	2,762	156	4	11,050	2,762	156	...	...	...	...	...	...	...	...	32
1,132,779	7,261	145	155	969,877	6,257	124	23	6,752	294	0.86	77	156,150	2,028	19.92	33
387,189	12,100	308	32	298,169	9,318	237	4	2,450	612	1.95	32	86,570	2,705	68.93	34
315,736	12,629	321	25	259,572	10,383	264	3	2,400	800	2.44	25	53,764	2,151	54.58	35
69,953	11,659	260	6	37,797	6,300	141	...	...	...	...	6	32,156	5,359	119.54	36
687,538	6,308	109	109	633,003	5,807	101	13	3,550	273	0.57	31	50,985	1,645	8.12	37
639,023	6,327	111	101	591,888	5,860	103	13	3,550	273	0.62	26	43,585	1,676	7.60	38
29,415	5,083	70	5	22,815	4,563	63	...	...	...	...	3	2,600	867	7.18	39
13,800	6,900	78	2	10,300	5,150	58	...	...	...	...	1	3,500	3,500	19.66	40
53,252	3,804	187	13	34,055	2,620	119	5	602	120	2.11	14	18,595	1,328	65.25	41
53,252	3,804	187	13	34,055	2,620	119	5	602	120	2.11	14	18,595	1,328	65.25	42
4,800	4,800	282	1	4,650	4,650	274	1	150	150	8.82	...	...	...	...	43
3,550,909	9,494	64	365	2,185,188	5,987	39	209	442,677	2,118	7.92	225	923,044	4,102	16.52	44
2,430,141	15,988	68	152	1,283,184	8,442	36	116	332,393	2,865	9.25	152	814,564	5,359	22.66	45
1,217,108	12,812	73	95	625,932	6,589	38	71	154,562	2,177	9.28	95	436,614	4,596	26.21	46
664,394	18,983	83	35	379,662	10,817	48	28	106,732	3,612	13.41	35	178,000	5,086	22.36	47
171,339	12,238	47	14	62,500	6,442	25	12	23,999	2,000	6.58	14	57,150	4,082	15.67	48
97,800	32,600	100	3	20,800	10,400	36	...	...	...	...	3	22,200	7,400	22.72	49
28,600	14,300	50	2	104,100	34,700	17	2	34,000	17,000	5.55	3	112,800	37,600	18.41	51
250,900	83,633	41	3	...	...	...	...	...	...	...	...	...	...	...	...
963,070	5,350	57	175	766,176	4,378	46	74	97,964	1,324	5.83	60	98,930	1,649	5.89	52
912,420	5,244	57	169	743,926	4,402	46	70	77,114	1,102	4.80	56	91,380	1,632	5.69	53
45,650	9,130	72	5	17,250	3,450	27	4	20,850	5,212	32.83	4	7,550	1,888	11.89	54
104,403	3,729	38	28	93,113	3,325	34	12	11,290	941	4.06	...	...	...	...	55
104,403	3,729	38	28	93,113	3,325	34	12	11,290	941	4.06	...	...	...	...	56
52,895	4,069	197	9	42,315	4,702	157	7	1,030	147	3.83	13	9,550	735	35.50	57
52,895	4,069	197	9	42,315	4,702	157	7	1,030	147	3.83	13	9,550	735	35.50	58
400	400	5	1	400	400	5	...	...	...	...	...	...	...	...	59

## IRRIGATION IN HUMID AREAS

Table 5.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF POWER, BY STATES: 1955

State and source of power	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Total, 28 States.....	14,541	13,664	545,671	11,997	487,495	646,247	13,662	17,588	6,140
Tractor only.....	1,649	1,535	38,772	1,183	27,098	46,252	1,643	1,782	707
Tractor and electricity.....	187	174	26,456	174	21,646	29,226	187	481	72
Tractor and source other than electricity.....	417	399	28,929	374	27,595	36,173	415	821	208
Electricity only.....	1,712	1,600	68,698	1,539	58,146	75,046	1,707	2,335	397
Electricity and source other than tractor.....	463	441	47,958	440	47,335	59,918	462	1,292	261
Other motors and engines.....	9,255	8,720	325,793	7,561	297,825	389,109	9,245	10,873	4,393
No power required.....	808	751	7,561	693	7,309	8,991	...	...	90
Not reported.....	50	44	1,504	33	541	1,532	3	4	12
Maine.....	60	33	428	50	1,054	830	50	67	37
Tractor and source other than electricity.....	1	1	11	1	12	12	1	1	1
Electricity only.....	3	3	82	3	82	7	3	4	2
Electricity and source other than tractor.....	1	...	...	1	50	50	1	2	1
Other motors and engines.....	46	23	309	38	871	732	45	60	32
No power required.....	9	6	26	7	39	29	...	...	1
New Hampshire.....	52	48	710	50	956	1,008	39	42	19
Tractor only.....	3	3	39	3	40	40	3	3	...
Electricity only.....	1	1	9	1	8	11	1	1	...
Electricity and source other than tractor.....	1	1	20	1	20	20	1	2	1
Other motors and engines.....	34	31	500	34	733	751	34	36	18
No power required.....	13	12	142	11	155	186	...	...	...
Vermont.....	20	17	299	18	321	438	17	19	5
Tractor only.....	1	1	25	1	12	25	1	1	...
Electricity only.....	1	1	1	1	1	1	1	1	...
Other motors and engines.....	15	14	267	14	276	343	15	17	5
No power required.....	3	1	6	2	32	69	...	...	...
Massachusetts.....	478	438	9,627	442	9,895	12,031	357	464	188
Tractor only.....	18	15	324	16	402	454	18	23	11
Tractor and electricity.....	6	4	37	5	42	55	6	13	4
Tractor and source other than electricity.....	7	7	70	5	56	77	7	11	4
Electricity only.....	32	29	407	31	432	459	32	35	9
Electricity and source other than tractor.....	11	11	269	11	279	295	11	27	6
Other motors and engines.....	283	259	7,372	261	7,404	9,411	283	355	151
No power required.....	120	112	1,138	113	1,280	1,270	...	...	3
Not reported.....	1	1	10	...	...	10	...	...	...
Rhode Island.....	36	36	968	30	683	1,204	31	38	15
Tractor only.....	4	4	87	4	61	134	4	5	3
Tractor and electricity.....	1	1	30	1	30	30	1	1	1
Electricity only.....	5	5	47	4	42	43	5	7	1
Other motors and engines.....	21	21	779	16	530	971	21	25	10
No power required.....	5	5	25	5	20	26	...	...	...
Connecticut.....	328	301	12,397	309	13,056	14,579	311	434	188
Tractor only.....	8	7	116	7	115	173	8	8	3
Tractor and source other than electricity.....	5	5	248	5	254	319	5	13	4
Electricity only.....	18	16	243	16	152	302	18	21	9
Electricity and source other than tractor.....	7	6	1,562	7	1,325	1,598	7	30	7
Other motors and engines.....	273	253	10,152	259	11,077	12,068	273	362	164
No power required.....	16	13	74	14	131	117	...	...	1
Not reported.....	1	1	2	1	2	2	...	...	...
New York.....	1,284	1,191	52,467	1,231	58,474	62,474	1,133	1,533	334
Tractor only.....	26	23	403	25	485	555	26	30	13
Tractor and electricity.....	7	7	228	6	215	252	7	18	2
Tractor and source other than electricity.....	23	22	1,145	22	1,550	1,630	23	46	14
Electricity only.....	132	119	1,453	126	1,582	1,779	131	174	20
Electricity and source other than tractor.....	28	25	814	26	924	1,060	28	66	14
Other motors and engines.....	919	861	46,809	886	52,081	55,206	918	1,199	271
No power required.....	148	133	1,607	139	1,629	1,984	...	...	...
Not reported.....	1	1	8	1	8	8	...	...	...

# IRRIGATION IN HUMID AREAS

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Table 5.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF POWER, BY STATES:  
1955—Continued

State and source of power	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
New Jersey.....	1,428	1,312	50,855	1,353	57,923	60,830	1,336	1,910	576
Tractor only.....	53	39	1,056	48	1,652	1,687	53	54	26
Tractor and electricity.....	9	6	86	8	122	197	9	20	2
Tractor and source other than electricity.....	41	36	1,493	40	2,162	2,090	41	77	25
Electricity only.....	183	168	2,303	174	2,584	2,662	183	220	21
Electricity and source other than tractor.....	69	67	5,959	68	7,276	7,561	69	197	33
Other motors and engines.....	981	908	39,058	930	43,179	45,777	981	1,342	468
No power required.....	84	80	870	77	920	824	...	...	...
Not reported.....	8	8	30	8	28	32	...	...	1
Pennsylvania.....	669	644	16,792	569	17,524	21,567	629	754	296
Tractor only.....	83	80	1,145	64	1,207	1,401	83	87	22
Tractor and electricity.....	8	8	246	6	79	252	8	19	4
Tractor and source other than electricity.....	12	12	284	12	311	315	12	14	6
Electricity only.....	89	85	896	82	877	1,088	89	118	37
Electricity and source other than tractor.....	28	26	524	26	656	778	28	61	21
Other motors and engines.....	409	394	13,531	344	14,230	17,529	409	455	200
No power required.....	39	38	164	34	162	202	...	...	5
Not reported.....	1	1	2	1	2	2	...	...	1
Ohio.....	648	616	13,786	575	12,622	16,132	575	746	229
Tractor only.....	42	40	1,149	37	839	1,179	42	47	14
Tractor and electricity.....	10	9	302	10	419	444	10	25	8
Tractor and source other than electricity.....	8	8	287	7	213	321	8	16	4
Electricity only.....	168	158	2,098	152	2,149	2,313	168	224	51
Electricity and source other than tractor.....	39	37	1,552	39	1,708	2,103	39	90	26
Other motors and engines.....	308	296	7,980	267	6,906	9,269	308	344	123
No power required.....	69	65	332	60	299	409	...	...	2
Not reported.....	4	3	86	3	89	94	...	...	1
Indiana.....	348	340	12,901	262	10,357	14,999	338	445	101
Tractor only.....	47	46	1,135	29	800	1,296	47	52	13
Tractor and electricity.....	2	2	27	2	15	35	2	4	...
Tractor and source other than electricity.....	4	4	182	2	44	170	3	7	...
Electricity only.....	88	85	927	85	985	1,053	88	139	7
Electricity and source other than tractor.....	13	13	3,484	12	3,933	4,267	13	44	3
Other motors and engines.....	185	181	7,131	124	4,564	8,160	185	199	77
No power required.....	9	9	15	8	16	18	...	...	1
Illinois.....	178	168	5,351	152	4,632	6,097	171	229	41
Tractor only.....	31	30	724	24	622	885	31	33	8
Tractor and electricity.....	2	2	31	2	23	36	2	3	...
Tractor and source other than electricity.....	12	11	706	12	797	826	12	26	6
Electricity only.....	38	37	311	36	336	422	38	49	7
Electricity and source other than tractor.....	8	8	153	8	212	191	8	18	1
Other motors and engines.....	80	73	3,404	63	2,620	3,716	80	100	19
No power required.....	7	7	22	7	22	21	...	...	...
Wisconsin.....	295	266	10,490	273	12,835	13,514	289	370	99
Tractor only.....	25	21	491	22	656	717	25	27	10
Tractor and electricity.....	4	4	131	4	119	159	4	9	1
Tractor and source other than electricity.....	11	11	912	11	908	976	11	20	5
Electricity only.....	30	29	334	30	388	456	30	33	5
Electricity and source other than tractor.....	6	4	250	5	404	543	6	15	2
Other motors and engines.....	213	192	8,307	197	10,306	10,586	213	266	75
No power required.....	5	4	58	3	47	70	...	...	1
Not reported.....	1	1	7	1	7	7	...	...	...
Michigan.....	1,168	1,040	20,605	1,072	23,931	27,768	1,132	1,365	447
Tractor only.....	87	72	1,104	73	1,243	1,553	87	95	36
Tractor and electricity.....	13	12	281	13	288	308	13	26	2
Tractor and source other than electricity.....	40	37	653	39	922	981	40	65	19
Electricity only.....	177	156	1,702	156	1,882	2,158	176	234	25
Electricity and source other than tractor.....	39	35	1,233	38	1,514	1,570	38	92	22
Other motors and engines.....	779	698	15,405	724	17,876	20,957	778	853	341
No power required.....	33	30	227	29	206	241	...	...	2

## IRRIGATION IN HUMID AREAS

Table 5.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF POWER, BY STATES:  
1955—Continued

State and source of power	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Minnesota.....	273	254	7,423	246	7,392	9,168	264	382	23
Tractor only.....	29	27	616	26	663	785	29	33	2
Tractor and electricity.....	14	12	636	12	638	718	14	42	2
Tractor and source other than electricity.....	19	18	709	16	856	950	19	41	1
Electricity only.....	48	44	588	43	567	647	48	62	4
Electricity and source other than tractor.....	16	14	371	16	441	490	16	37	3
Other motors and engines.....	138	131	4,461	126	4,186	5,461	138	167	11
No power required.....	8	7	39	6	38	114	...	...	...
Not reported.....	1	1	3	1	3	3	...	...	...
Iowa.....	101	83	1,996	95	2,838	2,912	96	141	15
Tractor only.....	22	20	600	18	771	905	22	27	4
Tractor and electricity.....	1	1	10	1	15	15	1	2	...
Tractor and source other than electricity.....	7	7	110	6	105	187	7	11	1
Electricity only.....	15	14	220	15	337	301	15	19	1
Electricity and source other than tractor.....	4	4	112	4	290	297	4	15	1
Other motors and engines.....	47	33	927	47	1,306	1,175	47	67	8
No power required.....	5	4	17	4	14	32	...	...	...
Missouri.....	580	558	33,315	418	21,355	36,822	521	639	115
Tractor only.....	118	114	5,454	66	2,917	6,253	118	132	19
Tractor and electricity.....	6	5	215	5	83	263	6	7	3
Tractor and source other than electricity.....	23	23	3,794	21	2,439	3,952	23	51	8
Electricity only.....	68	65	4,669	60	3,488	4,922	68	88	11
Electricity and source other than tractor.....	11	11	924	11	941	1,096	11	24	4
Other motors and engines.....	295	285	17,885	200	11,127	19,874	295	337	62
No power required.....	58	55	374	55	360	461	...	...	8
Not reported.....	1	...	...	...	...	1	...	...	...
Delaware.....	62	59	5,180	58	6,343	6,467	62	77	39
Tractor and source other than electricity.....	1	...	...	1	223	223	1	2	1
Electricity only.....	1	...	...	...	...	5	1	2	1
Electricity and source other than tractor.....	3	3	85	3	125	125	3	6	2
Other motors and engines.....	57	56	5,095	54	5,995	6,114	57	67	35
Maryland.....	173	153	7,247	150	8,133	9,663	164	199	92
Tractor only.....	12	11	204	8	101	231	12	13	5
Tractor and source other than electricity.....	1	1	5	1	6	5	1	1	...
Electricity only.....	24	20	113	22	550	543	24	30	9
Electricity and source other than tractor.....	7	7	892	7	1,100	1,105	7	21	5
Other motors and engines.....	120	107	5,987	105	6,342	7,723	120	134	73
No power required.....	8	6	45	6	33	55	...	...	...
Not reported.....	1	1	1	1	1	1	...	...	...
Virginia.....	545	522	22,887	426	16,465	24,738	537	630	322
Tractor only.....	56	53	1,420	43	919	1,593	56	60	33
Tractor and electricity.....	2	2	61	1	10	61	2	2	1
Tractor and source other than electricity.....	8	8	565	7	251	580	8	16	5
Electricity only.....	71	68	1,033	59	951	1,122	71	91	21
Electricity and source other than tractor.....	12	12	1,627	12	1,558	1,736	12	32	10
Other motors and engines.....	388	371	18,152	297	12,744	19,616	388	429	250
No power required.....	6	6	17	5	20	18	...	...	2
Not reported.....	2	2	12	2	12	12	...	...	...
West Virginia.....	29	29	1,104	26	973	1,176	26	31	10
Tractor only.....	2	2	19	2	22	24	2	2	2
Tractor and source other than electricity.....	1	1	10	1	10	10	1	2	1
Electricity only.....	6	6	98	6	80	117	6	6	...
Electricity and source other than tractor.....	2	2	460	2	460	460	2	4	...
Other motors and engines.....	14	14	467	12	378	509	14	16	4
No power required.....	2	2	13	2	15	15	...	...	2
Not reported.....	2	2	37	1	8	41	1	1	1

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Table 5.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY SOURCE OF POWER, BY STATES:  
1955—Continued

State and source of power	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
North Carolina.....	1,590	1,547	27,135	1,197	21,350	30,874	1,559	1,752	1,073
Tractor only.....	185	180	2,463	138	1,869	2,953	185	190	133
Tractor and electricity.....	2	2	216	2	151	216	2	5	2
Tractor and source other than electricity.....	22	22	728	20	641	836	22	42	15
Electricity only.....	54	54	1,009	43	978	1,098	51	73	29
Electricity and source other than tractor.....	20	20	528	19	504	594	20	53	15
Other motors and engines.....	1,277	1,242	22,082	958	17,136	25,059	1,277	1,386	870
No power required.....	25	22	84	14	45	87	...	...	7
Not reported.....	5	5	25	3	26	31	2	3	2
South Carolina.....	494	475	21,524	350	16,504	25,901	474	612	367
Tractor only.....	60	54	1,507	45	976	1,877	60	67	44
Tractor and electricity.....	7	7	288	7	357	372	7	15	5
Tractor and source other than electricity.....	22	22	2,207	19	2,838	3,156	22	47	17
Electricity only.....	23	23	453	20	254	515	23	35	17
Electricity and source other than tractor.....	12	12	323	11	258	408	12	46	11
Other motors and engines.....	352	339	15,543	234	10,677	17,949	350	402	263
No power required.....	16	16	1,188	12	1,129	1,604	...	...	8
Not reported.....	2	2	15	2	15	20	...	...	2
Georgia.....	857	801	24,681	734	25,271	32,581	828	1,008	649
Tractor only.....	180	166	2,374	152	2,165	2,985	180	182	151
Tractor and electricity.....	7	6	171	7	253	261	7	15	6
Tractor and source other than electricity.....	39	38	1,126	36	1,250	1,467	38	64	32
Electricity only.....	69	65	1,339	57	1,283	1,697	69	96	36
Electricity and source other than tractor.....	27	26	1,425	25	1,451	1,720	27	60	24
Other motors and engines.....	508	473	17,980	434	18,615	24,178	507	591	389
No power required.....	22	22	122	19	112	128	...	...	7
Not reported.....	5	5	144	4	142	145	...	...	4
Kentucky.....	829	802	13,351	449	6,313	15,204	799	847	257
Tractor only.....	189	180	2,116	106	1,146	2,368	183	186	50
Tractor and electricity.....	4	4	55	4	75	83	4	7	2
Tractor and source other than electricity.....	13	12	313	9	222	307	13	23	2
Electricity only.....	42	39	456	29	344	495	42	52	5
Electricity and source other than tractor.....	6	6	68	6	87	93	6	10	4
Other motors and engines.....	555	543	10,267	282	4,389	11,778	551	569	193
No power required.....	13	12	53	12	41	56	...	...	1
Not reported.....	7	6	23	1	9	24	...	...	...
Tennessee.....	777	712	23,000	558	16,819	27,145	757	836	193
Tractor only.....	170	150	2,454	122	1,676	2,917	170	171	43
Tractor and electricity.....	11	10	1,370	10	539	1,430	11	20	5
Tractor and source other than electricity.....	20	16	1,001	16	1,159	1,550	20	30	6
Electricity only.....	74	61	1,689	64	1,725	1,815	74	83	18
Electricity and source other than tractor.....	16	15	683	13	528	790	16	33	11
Other motors and engines.....	466	440	15,686	320	11,146	18,527	466	499	105
No power required.....	20	20	117	13	46	116	...	...	5
Alabama.....	330	322	15,409	266	12,641	18,353	316	427	145
Tractor only.....	37	37	1,235	25	1,055	1,601	37	42	19
Tractor and electricity.....	8	7	521	8	578	622	8	20	4
Tractor and source other than electricity.....	9	9	327	9	448	450	9	21	7
Electricity only.....	69	67	1,700	64	2,020	2,157	69	97	22
Electricity and source other than tractor.....	14	14	948	14	1,091	1,181	14	43	11
Other motors and engines.....	179	174	10,106	137	7,208	11,758	179	204	78
No power required.....	13	13	122	8	66	134	...	...	4
Not reported.....	1	1	450	1	175	450	...	...	...
Mississippi.....	909	897	133,743	638	100,835	151,772	851	1,591	265
Tractor only.....	161	160	10,512	79	4,684	11,661	161	212	43
Tractor and electricity.....	63	63	21,514	60	17,595	23,417	63	208	18
Tractor and source other than electricity.....	68	68	12,043	56	9,918	14,783	68	174	24
Electricity only.....	183	182	44,518	160	34,069	46,858	183	341	29
Electricity and source other than tractor.....	63	62	23,692	55	20,200	29,787	63	264	23
Other motors and engines.....	313	308	20,151	198	13,923	23,912	313	392	98
No power required.....	52	51	664	28	432	705	...	...	30
Not reported.....	6	3	649	2	14	649	...	...	...

## IRRIGATION IN HUMID AREAS

Table 6.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms

[Data on cost of irrigation systems were reported only for farms]										
State and source of power		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Total, 28 States.....	6,414	6,085	245,928	5,541	220,082	295,154	6,207	7,530	3,165
2	Tractor only.....	747	703	19,264	580	13,866	23,346	746	802	345
3	Tractor and electricity.....	59	53	12,144	53	10,289	13,428	59	168	29
4	Tractor and source other than electricity.....	184	178	12,327	166	11,221	15,500	184	356	100
5	Electricity only.....	409	385	22,036	378	19,730	24,974	408	540	148
6	Electricity and source other than tractor.....	147	141	18,391	144	18,475	21,950	147	378	99
7	Other motors and engines.....	4,666	4,436	159,742	4,038	144,459	193,467	4,663	5,286	2,410
8	No power required.....	197	185	1,992	178	2,011	2,453	...	...	32
9	Not reported.....	5	4	32	4	31	36	...	...	2
10	Maine.....	24	16	138	22	416	483	20	23	14
11	Tractor and source other than electricity.....	1	1	11	1	12	12	1	1	1
12	Electricity only.....	2	2	7	2	7	7	2	3	1
13	Electricity and source other than tractor.....	1	...	...	1	50	50	1	2	1
14	Other motors and engines.....	16	11	106	15	325	392	16	17	10
15	No power required.....	4	2	14	3	22	22	...	...	1
16	New Hampshire.....	31	30	510	30	685	718	28	31	15
17	Tractor only.....	2	2	38	2	38	38	2	2	...
18	Electricity and source other than tractor.....	1	1	20	1	20	20	1	2	1
19	Other motors and engines.....	25	24	411	25	578	599	25	27	14
20	No power required.....	3	3	41	2	49	61	...	...	...
21	Vermont.....	14	14	267	13	275	341	14	16	4
22	Electricity only.....	1	1	1	1	1	1	1	1	...
23	Other motors and engines.....	13	13	266	12	274	340	13	15	4
24	No power required.....	...	...	...	...	...	...	...	...	...
25	Massachusetts.....	217	199	3,982	205	4,462	5,343	177	213	102
26	Tractor only.....	12	12	268	12	303	330	12	17	7
27	Tractor and electricity.....	1	...	...	...	...	12	1	2	1
28	Tractor and source other than electricity.....	5	5	60	5	56	67	5	8	3
29	Electricity only.....	7	6	155	7	169	175	7	7	2
30	Electricity and source other than tractor.....	3	3	32	3	33	41	3	7	1
31	Other motors and engines.....	149	137	2,912	139	3,241	4,001	149	172	86
32	No power required.....	40	36	555	39	660	717	...	...	2
33	Rhode Island.....	17	17	535	15	377	633	16	21	7
34	Tractor only.....	2	2	60	2	34	107	2	2	1
35	Electricity only.....	1	1	6	1	6	6	1	2	...
36	Other motors and engines.....	13	13	450	11	323	501	13	17	6
37	No power required.....	1	1	19	1	14	19	...	...	...
38	Connecticut.....	161	151	5,924	155	6,161	6,679	158	208	98
39	Tractor only.....	6	5	90	5	89	147	6	6	3
40	Electricity only.....	7	7	14	7	15	17	7	8	5
41	Electricity and source other than tractor.....	2	2	995	2	1,014	1,014	2	17	2
42	Other motors and engines.....	143	134	4,817	138	5,032	5,490	143	177	87
43	No power required.....	3	3	8	3	11	11	...	...	1
44	New York.....	467	434	16,596	449	18,390	20,078	422	512	169
45	Tractor only.....	10	7	111	10	193	210	10	10	6
46	Tractor and source other than electricity.....	5	4	54	4	147	162	5	8	3
47	Electricity only.....	19	16	182	17	157	243	19	25	5
48	Electricity and source other than tractor.....	5	5	186	5	191	246	5	10	3
49	Other motors and engines.....	384	361	15,550	369	17,145	18,607	383	459	152
50	No power required.....	44	41	513	44	557	610	...	...	...
51	New Jersey.....	560	520	20,343	541	24,339	24,291	540	683	328
52	Tractor only.....	24	18	535	22	741	739	24	24	14
53	Tractor and electricity.....	3	1	1	3	36	33	3	6	2
54	Tractor and source other than electricity.....	20	18	1,045	20	1,398	1,219	20	39	16
55	Electricity only.....	16	14	111	16	215	117	16	19	5
56	Electricity and source other than tractor.....	13	13	768	13	715	842	13	27	10
57	Other motors and engines.....	464	437	17,719	447	21,007	21,110	464	568	281
58	No power required.....	18	17	158	18	222	223	...	...	...
59	Not reported.....	2	2	6	2	5	8	...	...	...
60	Pennsylvania.....	277	266	7,681	263	8,398	9,502	272	304	134
61	Tractor only.....	31	30	608	31	738	812	31	32	7
62	Tractor and electricity.....	4	4	26	3	19	31	4	9	1
63	Tractor and source other than electricity.....	8	8	198	8	226	246	8	9	4
64	Electricity only.....	25	23	261	23	296	337	25	30	17
65	Electricity and source other than tractor.....	5	4	29	5	21	34	5	10	5
66	Other motors and engines.....	199	192	6,547	188	7,086	8,030	199	214	100
67	No power required.....	5	5	12	5	12	12	...	...	...

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
35,545,680	5,542	145	6,382	27,477,344	4,305	112	693	826,488	1,193	3.36	3,896	7,241,848	1,859	29.45	1
2,718,720	3,640	141	746	2,088,083	2,799	108	73	49,640	680	2.58	391	580,991	1,486	30.16	2
703,855	11,930	58	59	364,458	6,177	30	28	95,176	3,399	7.84	52	244,227	4,697	20.11	3
1,498,903	8,146	122	184	1,130,827	6,146	92	45	46,851	1,086	3.96	128	319,225	2,494	25.90	4
2,424,387	5,928	110	409	1,648,290	4,030	75	92	170,578	1,854	7.74	289	605,519	2,095	27.48	5
2,257,521	15,377	123	147	1,555,746	10,583	85	43	145,495	3,384	7.91	135	556,280	4,121	30.25	6
25,661,717	5,500	161	4,664	20,459,366	4,387	128	374	304,030	813	1.90	2,864	4,898,321	1,710	30.66	7
275,047	1,396	138	170	229,894	1,352	115	35	10,068	288	5.05	35	35,085	1,002	17.61	8
5,530	1,106	173	3	680	227	21	3	2,650	883	82.81	2	2,200	1,100	68.75	9
66,866	2,786	485	23	57,011	2,479	413	1	600	600	4.35	14	9,255	661	67.07	10
4,400	4,400	400	1	1,900	1,900	173	...	...	...	...	1	2,500	2,500	227.27	11
1,505	752	215	2	1,205	502	172	...	...	...	...	1	300	300	42.86	12
5,500	5,500	...	1	5,000	5,000	...	...	...	...	...	1	500	500	...	13
53,641	3,353	506	16	48,286	3,018	456	...	...	...	...	10	5,355	536	50.52	14
1,820	455	130	3	620	207	44	1	600	600	42.86	1	600	600	42.86	15
88,468	2,854	173	30	68,898	2,297	135	6	2,081	347	4.08	15	17,489	1,166	34.29	16
6,000	3,000	158	2	6,000	3,000	158	...	...	...	...	...	...	...	...	17
4,750	4,750	238	1	2,600	2,600	130	...	...	...	...	1	2,150	2,150	107.50	18
76,018	3,041	185	25	58,798	2,352	143	5	1,881	376	4.58	14	15,339	1,096	37.32	19
1,700	567	41	2	1,500	750	37	1	200	200	4.88	...	...	...	...	20
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60	21
2,500	2,500	2,500	1	2,500	2,500	2,500	...	...	...	...	...	...	...	...	22
27,508	2,116	103	13	26,013	2,001	98	...	...	...	...	5	1,495	299	5.62	23
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
731,941	3,373	184	215	620,932	2,888	156	24	21,891	912	5.50	112	89,118	796	22.38	25
43,514	3,626	162	12	35,382	2,948	132	...	...	...	...	8	8,132	1,016	30.34	26
2,529	2,529	...	1	1,029	1,029	...	...	...	...	...	1	1,500	1,500	...	27
16,071	3,214	268	5	9,250	1,850	154	1	86	86	1.43	5	6,735	1,347	112.25	28
21,944	3,135	142	7	20,650	2,950	133	...	...	...	...	3	1,294	431	8.35	29
8,580	2,860	268	3	6,500	2,167	203	1	180	180	5.62	2	1,900	950	59.38	30
587,221	3,941	202	149	499,234	3,351	171	20	19,325	966	6.64	91	68,662	755	23.58	31
52,082	1,302	94	38	48,887	1,286	88	2	2,300	1,150	4.14	2	895	448	1.61	32
63,525	3,737	119	17	54,045	3,179	101	...	...	...	...	8	9,480	1,185	17.72	33
7,780	3,890	130	2	7,030	3,515	117	...	...	...	...	1	750	750	12.50	34
6,000	6,000	1,000	1	5,000	5,000	833	...	...	...	...	1	1,000	1,000	166.67	35
48,245	3,711	107	13	40,515	3,117	90	...	...	...	...	6	7,730	1,288	17.18	36
1,500	1,500	79	1	1,500	1,500	79	...	...	...	...	...	...	...	...	37
1,279,209	7,945	216	160	1,020,923	6,381	172	21	15,500	738	2.62	101	242,786	2,404	40.98	38
21,500	3,583	239	6	14,000	2,333	156	3	3,200	1,067	35.56	3	4,300	1,433	47.78	39
7,096	1,014	507	7	5,400	771	386	...	...	...	...	5	1,696	339	121.14	40
269,663	134,832	273	2	224,163	112,082	225	...	...	...	...	2	45,500	22,750	45.73	41
979,100	6,847	201	142	776,510	5,468	161	18	12,300	683	2.55	90	190,290	2,114	39.50	42
1,850	617	231	3	850	283	106	...	...	...	...	1	1,000	1,000	125.00	43
2,560,967	5,484	154	467	2,099,369	4,495	126	26	29,961	1,152	1.81	301	431,637	1,434	26.01	44
31,104	3,110	280	10	21,518	2,152	194	1	30	30	0.27	7	9,556	1,365	86.09	45
14,155	2,831	262	5	12,900	2,580	239	1	50	50	0.93	3	1,205	402	22.31	46
68,676	3,615	377	19	44,495	2,342	244	3	5,450	1,817	29.95	14	18,731	1,338	102.92	47
41,200	8,240	222	5	27,500	5,500	148	...	...	...	...	5	13,700	2,740	73.66	48
2,336,532	6,085	150	384	1,926,656	5,017	124	20	21,431	1,072	1.38	272	388,445	1,428	24.98	49
69,300	1,575	135	44	66,300	1,507	129	1	3,000	3,000	5.85	...	...	...	...	50
3,659,940	6,536	180	559	3,000,933	5,368	148	80	48,387	605	2.38	409	610,620	1,493	30.02	51
105,121	4,380	196	24	84,139	3,506	157	5	1,572	314	2.94	18	19,410	1,078	36.28	52
14,000	4,667	14,000	3	9,700	3,233	9,700	...	...	...	...	3	4,300	1,433	4,300.00	53
231,397	11,570	221	20	190,061	9,503	182	3	805	268	0.77	19	40,531	2,133	38.79	54
60,990	3,812	519	16	38,644	2,415	149	3	4,000	1,333	36.04	13	18,346	1,411	165.28	55
147,612	11,355	192	13	114,211	8,785	348	3	1,926	642	2.51	13	31,475	2,421	40.98	56
3,068,860	6,614	173	463	2,532,518	5,470	143	65	39,784	612	2.25	343	496,558	1,448	28.02	57
31,380	1,743	199	18	31,080	1,727	197	1	300	300	1.90	...	...	...	...	58
580	290	97	2	580	290	97	...	...	...	...	...	...	...	...	59
1,227,710	4,432	160	277	1,058,772	3,822	138	11	3,051	277	0.40	143	165,887	1,160	21.60	60
95,110	3,068	156	31	90,952	2,934	150	1	18	18	0.03	8	4,140	518	6.81	61
15,200	3,800	585	24	8,300	2,075	319	...	...	...	...	3	6,900	2,300	265.38	62
30,532	3,816	154	8	29,132	3,642	147	...	...	...	...	4	1,400	350	7.07	63
57,044	2,882	219	25	41,048	1,642	157	3	350	117	1.34	18	15,646	869	59.95	64
7,975	1,595	275	5	5,850	1,170	202	1	600	600	20.69	5	1,525	305	52.59	65
1,019,573	5,123	156	199	881,204	4,428	135	6	2,083	347	0.32	105	136,276	1,298	20.82	66
2,276	455	190	5	2,276	455	190	...	...	...	...	...	...	...	...	67

## IRRIGATION IN HUMID AREAS

Table 6.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms]

	State and source of power	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Ohio.....	225	216	5,193	195	4,521	5,944	218	258	97
2	Tractor only.....	18	17	707	14	472	689	18	19	7
3	Tractor and electricity.....	2	2	6	2	78	77	2	4	2
4	Tractor and source other than electricity.....	3	3	47	2	19	47	3	5	1
5	Electricity only.....	34	31	631	30	621	659	34	42	15
6	Electricity and source other than tractor.....	9	8	221	9	275	292	9	19	7
7	Other motors and engines.....	152	149	3,560	132	3,039	4,158	152	169	65
8	No power required.....	7	6	21	6	17	22	...	...	...
9	Indiana.....	120	118	7,283	94	5,857	8,416	118	150	40
10	Tractor only.....	19	18	431	13	136	464	19	23	5
11	Tractor and source other than electricity.....	1	1	160	1	35	160	1	5	...
12	Electricity only.....	8	8	153	8	155	165	8	8	2
13	Electricity and source other than tractor.....	4	4	2,359	4	2,808	2,910	4	20	1
14	Other motors and engines.....	86	85	4,173	66	2,715	4,709	86	94	32
15	No power required.....	2	2	7	2	8	8	...	...	...
16	Illinois.....	66	61	1,404	53	1,258	1,663	64	82	21
17	Tractor only.....	13	12	328	10	316	407	13	13	4
18	Tractor and source other than electricity.....	4	4	271	4	256	284	4	8	4
19	Electricity only.....	7	7	82	7	93	79	7	12	2
20	Electricity and source other than tractor.....	3	3	32	3	51	56	3	7	1
21	Other motors and engines.....	37	33	677	27	528	823	37	42	10
22	No power required.....	2	2	14	2	14	14	...	...	...
23	Wisconsin.....	133	125	4,615	121	5,072	6,147	132	154	48
24	Tractor only.....	10	10	133	8	117	193	10	10	5
25	Tractor and source other than electricity.....	5	5	414	5	379	446	5	8	2
26	Electricity only.....	6	4	73	6	88	88	6	6	3
27	Other motors and engines.....	111	105	3,959	101	4,443	5,375	111	130	38
28	No power required.....	1	1	36	1	45	45	...	...	...
29	Michigan.....	547	502	9,832	512	11,545	13,638	539	621	257
30	Tractor only.....	38	32	452	32	539	655	38	43	18
31	Tractor and electricity.....	2	2	48	2	26	38	2	4	...
32	Tractor and source other than electricity.....	19	19	368	19	497	529	19	32	11
33	Electricity only.....	30	28	302	28	320	369	29	36	9
34	Electricity and source other than tractor.....	16	14	492	16	609	615	16	36	9
35	Other motors and engines.....	435	400	8,034	409	9,449	11,296	435	470	208
36	No power required.....	7	7	136	6	105	136	...	...	2
37	Minnesota.....	94	90	2,719	81	2,509	3,392	93	108	8
38	Tractor only.....	12	10	258	10	247	343	12	12	1
39	Tractor and source other than electricity.....	6	5	215	3	251	327	6	11	...
40	Electricity only.....	7	7	88	7	85	90	7	8	1
41	Other motors and engines.....	68	67	2,157	60	1,925	2,631	68	77	6
42	No power required.....	1	1	1	1	1	1	...	...	...
43	Iowa.....	21	20	576	20	727	820	20	23	8
44	Tractor only.....	9	9	296	8	444	494	9	10	3
45	Electricity only.....	2	1	10	2	24	10	2	3	...
46	Other motors and engines.....	9	9	267	9	256	313	9	10	5
47	No power required.....	1	1	3	1	3	3	...	...	...
48	Missouri.....	280	271	15,528	206	9,818	17,340	264	320	50
49	Tractor only.....	67	66	2,889	39	1,580	3,352	67	74	12
50	Tractor and electricity.....	2	1	147	2	68	193	2	3	...
51	Tractor and source other than electricity.....	13	13	1,875	12	1,040	1,950	13	30	4
52	Electricity only.....	19	19	855	17	613	922	19	22	2
53	Electricity and source other than tractor.....	5	5	109	5	104	129	5	11	3
54	Other motors and engines.....	158	152	9,539	116	6,299	10,591	158	180	25
55	No power required.....	15	15	114	15	114	202	...	...	4
56	Not reported.....	1	...	...	...	...	1	...	...	...
57	Delaware.....	33	32	2,600	31	3,187	3,359	33	39	21
58	Other motors and engines.....	33	32	2,600	31	3,187	3,359	33	39	21
59	Maryland.....	101	93	5,328	92	6,157	7,068	100	119	58
60	Tractor only.....	4	4	61	3	43	81	4	4	2
61	Electricity only.....	9	7	18	9	446	436	9	10	3
62	Electricity and source other than tractor.....	4	4	820	4	1,020	1,020	4	14	3
63	Other motors and engines.....	83	77	4,419	75	4,638	5,521	83	91	50
64	No power required.....	1	1	10	1	10	10	...	...	...

# IRRIGATION IN HUMID AREAS

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## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY SOURCE OF POWER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
932,641	4,145	180	225	729,121	3,241	140	11	13,280	1,207	2.56	132	190,240	1,441	36.63	1
71,267	3,959	101	18	57,672	3,204	82	1	250	250	0.35	9	13,345	1,483	18.88	2
18,416	9,208	3,069	2	11,100	5,550	1,850	...	...	...	...	2	7,316	3,658	1,219.33	3
11,600	3,867	247	3	5,600	1,867	119	1	4,000	4,000	85.11	1	2,000	2,000	42.55	4
169,699	4,921	269	34	121,939	3,586	193	1	80	80	0.13	28	47,680	1,703	75.56	5
70,392	7,821	319	9	46,100	5,122	209	2	6,000	3,000	27.15	8	18,292	2,286	82.77	6
585,589	3,853	164	152	481,032	3,165	135	6	2,950	492	0.83	84	101,607	1,210	28.54	7
5,678	811	270	7	5,678	811	270	...	...	...	...	...	...	...	...	8
763,815	6,365	105	120	643,216	5,360	88	4	5,550	1,388	0.76	73	115,049	1,576	15.80	9
70,250	3,697	163	19	59,290	3,121	138	1	3,000	3,000	6.96	11	7,960	724	18.47	10
14,500	14,500	91	1	12,000	12,000	75	1	2,000	2,000	12.50	1	500	500	3.12	11
16,900	2,112	110	8	14,930	1,866	98	...	...	...	...	6	1,970	328	12.88	12
228,925	57,231	97	4	175,900	43,975	75	1	500	500	0.21	3	52,525	17,508	22.27	13
430,940	5,011	103	86	378,796	4,405	91	1	50	50	0.01	52	52,094	1,002	12.48	14
2,300	1,150	329	2	2,300	1,150	329	...	...	...	...	...	...	...	...	15
274,312	4,156	195	66	227,311	3,444	162	3	400	133	0.28	37	46,601	1,259	33.19	16
30,841	2,372	94	13	26,396	2,030	80	1	50	50	0.15	5	4,395	879	13.40	17
46,200	11,550	170	4	37,900	9,475	140	...	...	...	...	4	8,300	2,075	30.63	18
31,844	4,549	388	7	24,200	3,457	295	1	300	300	3.66	7	7,344	1,049	89.56	19
10,645	3,548	333	3	7,700	2,567	241	...	...	...	...	...	2,945	982	92.03	20
150,582	4,070	222	37	126,915	3,430	187	1	50	50	0.07	18	23,617	1,312	34.88	21
4,200	2,100	300	2	4,200	2,100	300	...	...	...	...	...	...	...	...	22
702,669	5,283	152	133	626,048	4,707	136	8	5,410	676	1.17	68	71,211	1,047	15.43	23
28,335	2,834	213	10	22,475	2,248	169	2	1,100	550	8.27	7	4,760	680	35.79	24
49,864	9,973	120	5	41,574	8,315	100	1	1,500	1,500	3.62	7	1,698	1,698	16.40	25
28,600	4,767	392	6	21,860	3,643	299	2	1,930	965	26.44	4	4,810	1,202	65.89	26
592,870	5,341	150	111	537,139	4,839	136	3	880	293	0.22	53	54,851	1,035	13.85	27
3,000	3,000	83	1	3,000	3,000	83	...	...	...	...	...	...	...	...	28
2,243,235	4,101	228	545	1,921,974	3,527	195	43	41,196	958	4.19	329	280,065	851	28.49	29
99,593	2,621	220	38	90,455	2,380	200	1	150	150	0.33	19	8,988	473	19.88	30
9,000	4,600	188	2	6,450	3,225	134	...	...	...	...	2	2,550	1,275	53.12	31
83,825	4,412	228	19	67,075	3,530	182	3	550	183	1.49	13	16,200	1,246	44.02	32
89,176	2,973	295	30	70,318	2,344	233	3	2,900	967	15.958	21	15,958	760	52.84	33
108,673	6,792	221	16	92,113	5,757	187	3	1,985	662	4.03	14	14,575	1,041	29.62	34
1,797,828	4,133	224	435	1,557,913	3,581	194	31	34,266	1,105	4.27	258	205,649	797	25.60	35
55,140	7,877	405	5	37,650	7,530	277	2	1,345	672	9.89	2	16,145	8,072	118.71	36
520,844	5,541	192	94	454,455	4,835	167	6	5,533	922	2.03	44	60,856	1,383	22.38	37
43,245	3,604	168	12	37,185	3,099	144	...	...	...	...	4	6,060	1,515	23.49	38
63,003	10,500	293	6	55,849	9,308	260	...	...	...	...	3	7,154	2,385	33.27	39
33,298	4,757	378	7	19,658	2,808	223	1	2,500	2,500	28.41	6	11,140	1,857	126.59	40
381,098	5,604	177	68	341,563	5,023	158	3	3,033	607	1.41	31	36,502	1,177	16.92	41
200	200	200	1	200	200	200	...	...	...	...	...	...	...	...	42
83,107	3,957	144	21	71,047	3,383	123	2	790	395	1.37	12	11,270	939	19.57	43
38,946	4,327	132	9	33,456	3,717	113	2	790	395	2.67	3	4,700	1,567	15.88	44
13,080	6,540	1,308	2	11,260	5,630	1,126	...	...	...	...	2	1,820	910	182.00	45
30,670	3,408	115	9	25,920	2,880	97	...	...	...	...	7	4,750	679	17.79	46
411	411	137	1	411	411	137	...	...	...	...	...	...	...	...	47
1,318,692	4,710	85	278	1,105,366	3,976	71	39	35,111	900	2.26	98	178,215	1,819	11.48	48
211,159	3,152	73	67	185,212	2,764	64	8	2,520	315	0.87	16	23,427	1,464	8.11	49
15,320	7,660	104	2	14,552	7,276	99	...	...	...	...	1	768	768	5.22	50
94,875	7,298	51	13	79,350	6,104	42	3	2,820	940	1.50	7	12,705	1,815	6.78	51
71,230	3,749	83	19	57,650	3,034	67	6	4,765	794	5.57	7	8,815	1,259	10.31	52
42,500	8,500	390	5	25,150	5,030	231	2	1,050	525	9.63	5	16,300	3,260	149.54	53
863,738	5,467	91	158	729,707	4,618	76	17	21,331	1,255	2.24	57	112,700	1,977	11.81	54
17,370	1,158	152	14	13,745	982	121	2	125	62	1.10	5	3,500	700	30.70	55
2,500	2,500	...	...	...	...	...	1	2,500	2,500	...	...	...	...	...	56
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	57
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	58
687,578	6,808	129	100	534,795	5,348	100	9	8,025	892	1.51	66	144,758	2,193	27.17	59
6,170	1,542	101	4	4,820	1,205	79	...	...	...	...	2	1,350	675	22.13	60
50,579	5,620	2,810	9	46,551	5,172	2,586	...	...	...	...	5	4,028	806	223.78	61
133,701	33,425	163	4	69,601	17,400	85	...	...	...	...	3	64,100	21,357	78.17	62
496,928	5,987	112	83	413,823	4,986	94	9	8,025	892	1.82	55	75,080	1,365	16.99	63
200	200	20	...	...	...	...	...	...	...	...	1	200	200	20.00	64

## IRRIGATION IN HUMID AREAS

Table 6.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms

Data on cost of irrigation systems were reported only for farms										
	State and source of power	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Virginia.....	297	284	11,793	255	9,042	13,219	294	325	192
2	Tractor only.....	28	27	575	25	406	613	28	29	19
3	Tractor and electricity.....	1	1	37	...	...	37	1	1	1
4	Tractor and source other than electricity.....	4	4	149	4	173	166	4	8	1
5	Electricity only.....	19	19	498	19	577	540	19	19	10
6	Electricity and source other than tractor.....	4	4	445	4	478	544	4	12	4
7	Other motors and engines.....	238	226	10,078	201	7,398	11,311	238	256	157
8	No power required.....	3	3	11	2	10	8	...	...	...
9	West Virginia.....	16	16	736	15	671	777	15	17	5
10	Tractor only.....	1	1	15	1	20	20	1	1	1
11	Electricity only.....	3	3	50	3	27	52	3	3	...
12	Electricity and source other than tractor.....	1	1	310	1	310	310	1	2	...
13	Other motors and engines.....	10	10	358	9	311	392	10	11	3
14	No power required.....	1	1	3	1	3	3	...	...	1
15	North Carolina.....	799	781	15,391	672	12,123	17,920	793	882	588
16	Tractor only.....	86	85	1,294	70	1,000	1,521	86	86	72
17	Tractor and source other than electricity.....	13	13	311	12	209	325	13	20	10
18	Electricity only.....	24	24	835	21	853	911	24	31	18
19	Electricity and source other than tractor.....	7	7	182	7	154	210	7	15	7
20	Other motors and engines.....	663	647	12,749	558	9,893	14,933	663	730	481
21	No power required.....	6	5	20	4	14	20	...	...	...
22	South Carolina.....	234	223	10,180	183	6,956	11,848	229	279	187
23	Tractor only.....	33	30	944	27	655	1,187	33	35	27
24	Tractor and electricity.....	1	1	247	1	295	295	1	4	1
25	Tractor and source other than electricity.....	9	9	258	8	346	375	9	16	9
26	Electricity only.....	10	10	300	9	140	342	10	16	7
27	Electricity and source other than tractor.....	5	5	114	5	114	132	5	10	5
28	Other motors and engines.....	172	164	8,174	130	5,363	9,374	171	198	134
29	No power required.....	4	4	143	3	43	143	...	...	4
30	Georgia.....	408	381	12,679	370	12,907	16,197	402	478	320
31	Tractor only.....	77	73	1,267	69	1,144	1,523	77	78	68
32	Tractor and electricity.....	2	2	32	2	65	65	2	3	2
33	Tractor and source other than electricity.....	17	17	581	15	629	782	17	32	13
34	Electricity only.....	29	27	611	27	689	839	29	37	16
35	Electricity and source other than tractor.....	15	14	617	15	785	800	15	32	14
36	Other motors and engines.....	262	242	9,531	237	9,558	12,146	262	296	203
37	No power required.....	4	4	14	3	11	15	...	...	2
38	Not reported.....	2	2	26	2	26	27	...	...	2
39	Kentucky.....	376	366	8,341	246	4,221	9,443	371	399	122
40	Tractor only.....	81	79	1,093	50	580	1,175	80	81	24
41	Tractor and electricity.....	2	2	45	2	65	73	2	4	1
42	Tractor and source other than electricity.....	7	6	278	5	207	268	7	14	2
43	Electricity only.....	15	15	221	10	119	223	15	19	3
44	Electricity and source other than tractor.....	1	1	28	1	20	28	1	2	1
45	Other motors and engines.....	267	260	6,652	175	3,216	7,652	266	279	91
46	No power required.....	3	3	24	3	14	24	...	...	...
47	Tennessee.....	366	342	12,044	294	8,605	14,415	360	393	97
48	Tractor only.....	81	72	1,440	71	1,177	1,817	81	82	21
49	Tractor and electricity.....	4	3	192	3	130	227	4	7	2
50	Tractor and source other than electricity.....	10	9	408	9	236	440	10	15	3
51	Electricity only.....	18	18	548	16	532	562	18	20	4
52	Electricity and source other than tractor.....	6	6	254	6	341	329	6	12	6
53	Other motors and engines.....	241	228	9,188	185	6,179	11,025	241	257	60
54	No power required.....	6	6	14	4	10	15	...	...	1
55	Alabama.....	156	151	7,839	129	6,410	9,884	155	197	61
56	Tractor only.....	14	14	410	10	334	542	14	14	5
57	Tractor and electricity.....	3	2	87	3	187	187	3	8	2
58	Tractor and source other than electricity.....	2	2	45	2	140	140	2	5	...
59	Electricity only.....	22	20	734	21	1,075	1,171	22	33	8
60	Electricity and source other than tractor.....	5	5	268	5	349	369	5	9	4
61	Other motors and engines.....	109	107	6,281	88	4,325	7,465	109	128	41
62	No power required.....	1	1	14	...	...	10	...	...	1
63	Mississippi.....	374	366	55,871	279	44,993	65,596	360	675	114
64	Tractor only.....	69	68	4,961	36	2,520	5,887	69	95	13
65	Tractor and electricity.....	32	32	11,276	30	9,320	12,160	32	113	14
66	Tractor and source other than electricity.....	32	32	5,579	27	4,965	7,555	32	82	13
67	Electricity only.....	69	67	15,290	64	12,407	16,613	69	120	10
68	Electricity and source other than tractor.....	32	32	10,110	29	9,013	11,959	32	102	11
69	Other motors and engines.....	126	121	8,568	85	6,726	11,323	126	163	40
70	No power required.....	14	14	87	8	42	99	...	...	13

# IRRIGATION IN HUMID AREAS

37

## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY SOURCE OF POWER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
1,812,422	6,102	154	296	1,337,113	4,517	113	19	21,420	1,127	1.82	202	453,889	2,247	38.49	1
104,021	3,715	181	28	74,811	2,672	130	1	300	300	0.52	20	28,910	1,446	50.28	2
1,400	1,400	38	1	1,200	1,200	32	...	...	...	...	1	200	200	5.41	3
29,500	7,375	198	4	24,000	6,000	161	...	...	...	...	1	5,500	5,500	36.91	4
107,754	5,671	216	19	72,979	3,841	147	1	5,000	5,000	10.04	13	29,775	2,290	59.79	5
73,100	18,275	164	4	54,700	13,675	123	...	...	...	...	4	18,400	4,600	41.35	6
1,495,732	6,285	148	238	1,108,528	4,658	110	16	16,100	1,006	1.60	163	371,104	2,277	36.82	7
915	305	83	2	895	448	81	1	20	20	1.82	...	...	...	...	8
89,590	5,599	122	16	67,490	4,218	92	1	200	200	0.27	5	21,900	4,380	29.76	9
3,500	3,500	233	1	2,000	2,000	133	...	...	...	...	1	1,500	1,500	100.00	10
5,100	1,700	102	3	5,100	1,700	102	...	...	...	...	...	...	...	...	11
25,000	25,000	81	1	25,000	25,000	81	...	...	...	...	...	...	...	...	12
54,890	5,489	153	10	34,890	3,489	97	...	...	...	...	3	20,000	6,667	55.87	13
1,100	1,100	367	1	500	500	167	1	200	200	66.67	1	400	400	133.33	14
3,988,395	4,992	259	796	2,832,441	3,558	184	59	37,676	639	2.45	613	1,118,278	1,824	72.66	15
396,410	4,609	306	86	272,665	3,171	211	2	1,530	765	1.18	72	122,215	1,697	94.45	16
71,100	5,469	229	13	45,450	3,496	146	1	1,000	1,000	3.22	10	24,650	2,465	79.26	17
167,330	6,972	200	24	121,495	5,062	146	6	5,755	959	6.89	21	40,080	1,909	48.00	18
43,048	6,150	237	7	35,397	5,057	194	...	...	...	...	7	7,651	1,093	42.04	19
3,309,157	4,991	260	663	2,356,284	3,554	185	45	29,201	649	2.29	502	923,672	1,840	72.45	20
1,350	225	68	3	1,150	383	58	5	190	38	9.50	1	10	10	0.50	21
1,576,599	6,738	155	232	1,059,966	4,569	104	29	34,167	1,178	3.35	194	482,466	2,487	47.39	22
145,146	4,398	154	33	92,498	2,803	98	2	5,150	2,575	5.46	27	47,498	1,759	50.32	23
41,275	41,275	167	1	21,775	21,775	88	...	...	...	...	2	19,500	19,500	78.95	24
67,050	7,450	260	9	45,900	5,100	178	1	300	300	1.16	9	20,850	2,317	80.81	25
61,400	6,140	205	10	39,100	3,910	130	4	5,550	1,388	18.50	10	16,750	1,675	55.83	26
35,455	7,091	311	5	24,960	4,992	219	1	400	400	3.51	5	10,095	2,019	88.55	27
1,219,453	7,090	149	172	835,563	4,858	102	19	21,737	1,144	2.66	138	362,153	2,624	44.31	28
6,820	1,705	48	2	170	85	1	2	1,030	515	7.20	4	5,620	1,405	39.30	29
2,944,255	7,216	232	403	1,970,929	4,891	155	36	32,001	889	2.52	339	941,325	2,777	74.24	30
378,343	4,914	299	76	236,533	3,112	187	4	3,600	900	2.84	69	138,210	2,003	109.08	31
9,297	4,648	291	2	4,940	2,470	154	1	100	100	3.12	2	4,257	2,128	133.03	32
121,957	7,174	210	17	74,972	4,410	129	2	1,725	862	2.97	14	45,260	3,233	77.90	33
248,760	8,578	407	29	175,270	6,044	287	4	5,475	1,369	8.96	26	68,015	2,616	111.32	34
148,550	9,903	241	15	92,250	6,150	150	...	...	...	...	14	56,300	4,021	91.25	35
2,033,798	7,763	213	262	1,386,064	5,290	145	20	20,851	1,043	2.19	210	626,883	2,985	65.77	36
1,100	275	79	1	800	800	57	3	100	33	7.14	2	200	100	14.29	37
2,450	1,225	94	1	100	100	4	2	150	75	5.77	2	2,200	1,100	84.62	38
1,376,536	3,661	165	376	1,155,730	3,074	139	7	1,574	225	0.19	145	219,232	1,512	26.28	39
173,922	2,147	159	81	156,075	1,927	143	2	522	261	0.48	31	17,325	559	15.85	40
7,214	3,607	160	2	4,500	2,250	100	...	...	...	...	1	2,714	2,714	60.31	41
69,975	9,996	252	7	43,275	6,182	156	...	...	...	...	4	26,700	6,675	96.04	42
35,934	2,396	163	15	31,919	2,128	144	...	...	...	...	6	4,015	669	18.17	43
8,100	8,100	289	1	6,500	6,500	232	...	...	...	...	1	1,600	1,600	57.14	44
1,079,234	4,042	162	267	911,304	3,413	137	5	1,052	210	0.16	102	166,878	1,636	25.09	45
2,157	719	90	3	2,157	719	90	...	...	...	...	...	...	...	...	46
1,481,815	4,049	123	366	1,277,314	3,490	106	13	10,755	827	0.89	105	193,746	1,845	16.09	47
221,372	2,733	154	81	203,572	2,513	141	1	25	25	0.02	22	17,775	808	12.34	48
19,250	4,812	100	4	18,700	4,675	97	...	...	...	...	3	550	183	2.86	49
44,122	4,412	108	10	38,907	3,891	95	2	520	260	1.27	4	4,695	1,174	11.51	50
67,596	3,755	123	18	52,946	2,942	97	...	...	...	...	4	14,650	3,652	26.73	51
35,066	5,844	138	6	25,446	4,241	100	2	4,200	2,100	16.54	6	5,420	903	21.34	52
1,091,089	4,527	119	241	934,943	3,879	102	7	5,990	856	0.65	65	150,156	2,310	16.34	53
3,320	553	237	6	2,800	467	200	1	20	20	1.43	1	500	500	35.71	54
1,132,779	7,261	145	155	969,877	6,257	124	23	6,752	294	0.86	77	156,150	2,028	19.92	55
84,240	6,027	205	14	54,440	3,889	133	1	150	150	0.37	6	29,650	4,942	72.32	56
23,953	7,984	275	3	20,547	6,849	236	...	...	...	...	3	3,406	1,135	39.15	57
7,750	3,875	172	2	7,050	3,525	157	2	700	350	15.56	...	...	...	...	58
287,051	13,048	391	22	244,677	11,122	333	2	900	450	1.23	16	41,474	2,592	56.50	59
40,305	8,061	150	5	30,235	6,047	113	1	200	200	0.75	5	9,870	1,974	36.83	60
689,178	6,323	110	109	612,928	5,623	98	16	4,800	300	0.76	46	71,450	1,553	11.36	61
302	302	22	...	...	...	...	1	2	2	0.14	1	300	300	21.43	62
3,550,909	9,494	64	365	2,185,188	5,987	39	209	442,677	2,118	7.92	225	923,044	4,102	16.52	63
301,831	4,374	61	69	219,507	3,181	44	34	25,689	756	5.18	22	56,635	2,574	11.42	64
527,001	16,469	47	32	241,665	7,552	21	27	95,070	3,521	8.43	29	190,266	6,561	16.87	65
427,027	13,345	77	32	308,682	9,646	55	23	32,795	1,426	5.88	21	85,550	4,074	15.33	66
713,301	10,338	47	69	357,496	5,181	23	52	125,623	2,416	8.22	52	230,182	4,427	15.05	67
768,781	24,024	76	32	458,870	14,340	45	26	128,454	4,941	12.71	28	181,457	6,481	17.95	68
805,392	6,392	94	126	597,743	4,744	70	36	34,410	956	4.02	60	173,239	2,887	20.22	69
7,576	541	87	5	1,225	245	14	11	636	58	7.31	13	5,715	440	65.69	70

Table 7.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY METHOD OF APPLYING WATER,  
BY STATES: 1955

State and method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Total, 28 States.....	14,541	13,664	545,671	11,997	487,495	646,247	13,662	17,588	6,140
Sprinkler and combinations of sprinkler with other methods...	12,445	11,669	433,205	10,387	402,533	520,357	12,002	15,147	5,623
Sprinkler only.....	11,334	10,629	364,622	9,400	336,800	437,814	10,975	13,185	5,197
Sprinkler and fixed overhead pipe only.....	559	517	20,021	526	22,317	23,648	492	987	188
Sprinkler and portable gated pipe only.....	89	86	10,546	75	9,404	11,817	85	164	41
Sprinkler and ditch only.....	227	211	16,695	186	13,927	20,042	222	410	95
Sprinkler and flooding only.....	208	199	17,892	174	16,085	22,863	206	350	86
Sprinkler in combination with other methods.....	28	27	3,429	26	4,000	4,173	22	51	16
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	893	838	8,712	823	8,918	10,009	687	931	179
Fixed overhead pipe only.....	854	801	7,708	786	7,916	8,900	651	878	166
Combinations of fixed overhead pipe and other methods (except sprinkler).....	39	37	1,004	37	1,002	1,109	36	53	13
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	180	173	21,917	125	17,807	26,578	173	321	60
Portable gated pipe only.....	92	86	4,869	52	3,032	5,589	86	112	25
Portable gated pipe and ditches.....	61	61	9,888	47	8,817	12,171	60	131	25
Portable gated pipe and flooding.....	26	25	7,090	25	5,888	8,748	26	77	9
Combinations of portable gated pipe with other methods....	1	1	70	1	70	70	1	1	1
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	543	531	36,852	327	27,343	41,132	399	582	164
Ditches only.....	412	401	15,635	231	10,758	17,721	295	357	124
Ditches and flooding.....	126	125	21,200	93	16,577	23,393	100	220	36
Combination of ditches with other methods.....	5	5	17	3	8	18	4	5	4
Flooding and combination of flooding with other methods.....	279	273	43,264	188	29,200	46,081	251	417	54
Other methods.....	186	167	1,580	141	1,582	2,022	142	179	57
Method not reported.....	15	13	141	6	112	68	8	11	3
Maine.....	60	33	428	50	1,054	830	50	67	37
Sprinkler and combination of sprinkler with other methods....	54	29	339	45	964	818	48	65	35
Sprinkler only.....	49	25	311	41	926	761	44	60	34
Sprinkler and fixed overhead pipe only.....	2	1	7	1	7	25	2	3	...
Sprinkler and portable gated pipe only.....	1	1	11	1	18	18	...	...	...
Sprinkler and ditch only.....	1	1	9	1	9	10	1	1	1
Sprinkler and flooding only.....	1	1	1	1	4	4	1	1	...
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	9	1	9	6	...	...	...
Fixed overhead pipe only.....	1	1	9	1	9	6	...	...	...
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	2	1	2	2	1	1	...
Portable gated pipe only.....	1	1	2	1	2	2	1	1	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	...	...	...	...	...	...	...	1
Ditches only.....	1	...	...	...	...	...	...	...	1
Flooding and combination of flooding with other methods.....	1	1	3	1	3	3	...	...	...
Other methods.....	1	...	...	1	1	1	...	...	...
Method not reported.....	1	1	75	1	75	...	1	1	1
New Hampshire.....	52	48	710	50	956	1,008	39	42	19
Sprinkler and combinations of sprinkler with other methods....	45	41	673	44	919	968	35	37	18
Sprinkler only.....	41	37	612	41	861	890	35	37	18
Sprinkler and fixed overhead pipe only.....	4	4	61	3	58	78	...	...	...
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	5	5	34	5	35	37	3	4	1
Fixed overhead pipe only.....	4	4	33	4	34	36	3	4	1
Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	1	1	1	1	...	...	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	2	2	3	1	2	3	1	1	...
Ditches only.....	1	1	1	...	...	1	...	...	...
Combination of ditches with other methods.....	1	1	2	1	2	2	1	1	...
Vermont.....	20	17	299	18	321	438	17	19	5
Sprinkler and combinations of sprinkler with other methods...	17	16	293	16	289	369	17	19	5
Sprinkler only.....	16	16	293	15	288	368	16	18	5
Sprinkler and flooding only.....	1	...	...	1	1	1	1	1	...
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	6	1	9	9	...	...	...
Portable gated pipe only.....	1	1	6	1	9	9	...	...	...
Flooding and combination of flooding with other methods.....	1	...	...	1	23	60	...	...	...
Other methods.....	1	...	...	...	...	...	...	...	...

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Table 7.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

State and method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Massachusetts.....	478	438	9,627	442	9,895	12,031	357	464	188
Sprinkler and combinations of sprinkler with other methods...	427	394	9,362	394	9,563	11,638	332	438	176
Sprinkler only.....	380	350	8,333	354	8,556	10,510	299	377	159
Sprinkler and fixed overhead pipe only.....	27	26	850	25	838	864	17	37	9
Sprinkler and portable gated pipe only.....	1	1	20	...	...	40	1	1	...
Sprinkler and ditch only.....	5	4	13	4	20	31	4	5	3
Sprinkler and flooding only.....	11	10	101	8	92	130	9	14	3
Sprinkler in combination with other methods.....	3	3	45	3	57	63	2	4	2
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	34	30	147	34	174	170	15	16	5
Fixed overhead pipe only.....	34	30	147	34	174	170	15	16	5
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	5	4	22	4	25	69	4	4	3
Portable gated pipe only.....	5	4	22	4	25	69	4	4	3
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	7	6	87	7	129	130	1	1	3
Ditches only.....	7	6	87	7	129	130	1	1	3
Flooding and combination of flooding with other methods.....	1	1	1	1	1	1	1	1	...
Other methods.....	4	3	8	2	3	23	4	4	1
Rhode Island.....	36	36	968	30	683	1,204	31	38	15
Sprinkler and combinations of sprinkler with other methods...	29	29	797	23	495	1,004	25	32	12
Sprinkler only.....	27	27	779	21	477	986	24	30	11
Sprinkler and fixed overhead pipe only.....	1	1	17	1	17	17	1	2	1
Sprinkler and portable gated pipe only.....	1	1	1	1	1	1	...	...	...
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	5	5	66	5	66	68	4	4	3
Fixed overhead pipe only.....	5	5	66	5	66	68	4	4	3
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	80	1	90	100	1	1	...
Portable gated pipe only.....	1	1	80	1	90	100	1	1	...
Other methods.....	1	1	25	1	32	32	1	1	...
Connecticut.....	328	301	12,397	309	13,056	14,579	311	434	188
Sprinkler and combinations of sprinkler with other methods...	309	285	12,310	293	12,925	14,452	299	420	182
Sprinkler only.....	296	272	12,068	281	12,662	14,185	289	404	174
Sprinkler and fixed overhead pipe only.....	5	5	74	4	70	84	3	5	3
Sprinkler and portable gated pipe only.....	1	1	50	1	60	60	1	1	1
Sprinkler and ditch only.....	4	4	29	4	39	36	3	4	1
Sprinkler and flooding only.....	3	3	89	3	94	87	3	6	3
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	10	9	75	9	114	110	6	6	2
Fixed overhead pipe only.....	10	9	75	9	114	110	6	6	2
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	1	1	...	...	1	1	1	...
Ditches only.....	1	1	1	...	...	1	1	1	...
Flooding and combination of flooding with other methods.....	1	1	4	1	5	4	1	1	...
Other methods.....	7	5	7	6	12	12	4	6	4
New York.....	1,284	1,191	52,467	1,231	58,474	62,474	1,133	1,533	334
Sprinkler and combinations of sprinkler with other methods...	1,186	1,101	51,502	1,140	57,094	61,039	1,078	1,458	319
Sprinkler only.....	1,100	1,023	48,683	1,057	53,990	57,768	1,014	1,347	294
Sprinkler and fixed overhead pipe only.....	65	58	1,839	62	1,892	2,054	44	72	14
Sprinkler and portable gated pipe only.....	8	7	293	8	390	393	8	14	3
Sprinkler and ditch only.....	11	11	585	11	720	722	11	24	8
Sprinkler in combination with other methods.....	2	2	102	2	102	102	1	1	...
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	63	58	487	59	468	472	29	39	9
Fixed overhead pipe only.....	62	57	471	58	452	457	28	37	8
Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	16	1	16	15	1	2	1
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	8	7	162	8	224	229	6	10	1
Portable gated pipe only.....	7	6	159	7	220	225	5	9	1
Portable gated pipe and ditches.....	1	1	3	1	4	4	1	1	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	5	4	245	4	585	620	3	4	1
Ditches only.....	4	3	230	3	580	605	2	3	...
Ditches and flooding.....	1	1	15	1	5	15	1	1	1
Flooding and combination of flooding with other methods.....	4	3	10	4	48	51	4	5	1
Other methods.....	17	17	59	15	53	61	12	15	3
Method not reported.....	1	1	2	1	2	2	1	2	...

## IRRIGATION IN HUMID AREAS

Table 7.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

State and method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
New Jersey.....	1,428	1,312	50,855	1,353	57,923	60,830	1,336	1,910	576
Sprinkler and combinations of sprinkler with other methods...	1,227	1,121	48,746	1,166	55,682	58,620	1,169	1,701	546
Sprinkler only.....	1,012	924	38,273	959	43,429	46,125	967	1,295	490
Sprinkler and fixed overhead pipe only.....	174	158	9,533	169	11,191	11,312	162	354	41
Sprinkler and portable gated pipe only.....	3	2	85	2	76	105	3	3	...
Sprinkler and ditch only.....	18	17	245	17	253	304	18	26	6
Sprinkler and flooding only.....	16	16	438	15	522	563	16	20	7
Sprinkler in combination with other methods.....	4	4	172	4	211	211	3	3	2
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	172	164	1,984	161	2,108	2,048	142	176	23
Fixed overhead pipe only.....	164	157	1,852	153	1,945	1,885	134	163	22
Combinations of fixed overhead pipe and other methods (except sprinkler).....	8	7	132	8	163	163	8	13	1
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe)	4	3	13	3	17	32	4	4	1
Portable gated pipe only.....	3	2	10	3	17	29	3	3	...
Portable gated pipe and ditches.....	1	1	3	...	...	3	1	1	1
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	8	7	32	8	39	39	6	7	2
Ditches only.....	8	7	32	8	39	39	6	7	2
Flooding and combination of flooding with other methods.....	5	5	23	4	20	24	4	4	1
Other methods.....	11	11	55	10	55	65	10	16	3
Method not reported.....	1	1	2	1	2	2	1	2	...
Pennsylvania.....	669	644	16,792	569	17,524	21,567	629	754	296
Sprinkler and combinations of sprinkler with other methods...	581	557	16,190	491	17,097	20,913	562	668	261
Sprinkler only.....	540	519	15,180	452	16,079	19,669	526	606	244
Sprinkler and fixed overhead pipe only.....	30	27	861	29	937	1,094	26	49	12
Sprinkler and ditch only.....	5	5	116	4	47	117	5	6	2
Sprinkler and flooding only.....	4	4	27	4	28	27	4	5	2
Sprinkler in combination with other methods.....	2	2	6	2	6	6	1	2	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	46	45	275	44	219	328	38	50	18
Fixed overhead pipe only.....	45	44	273	43	217	326	37	49	17
Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	2	1	2	2	1	1	1
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe)	5	5	94	4	46	68	5	6	3
Portable gated pipe only.....	2	2	53	1	5	55	2	2	2
Portable gated pipe and ditches.....	1	1	7	1	7	11	1	2	1
Portable gated pipe and flooding.....	2	2	34	2	34	2	2	2	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	8	8	46	4	22	47	3	3	3
Ditches only.....	7	7	41	3	17	42	2	2	2
Combination of ditches with other methods.....	1	1	5	1	5	5	1	1	1
Flooding and combination of flooding with other methods.....	9	9	87	8	37	94	7	9	2
Other methods.....	20	20	100	18	103	117	14	18	9
Ohio.....	648	616	13,786	575	12,622	16,132	575	746	229
Sprinkler and combinations of sprinkler with other methods...	485	462	12,562	431	11,471	14,629	458	588	184
Sprinkler only.....	410	390	10,506	360	9,437	12,254	389	471	153
Sprinkler and fixed overhead pipe only.....	60	58	1,880	58	1,836	2,150	55	95	21
Sprinkler and portable gated pipe only.....	1	1	40	1	38	40	1	2	...
Sprinkler and ditch only.....	5	4	8	4	39	40	4	7	3
Sprinkler and flooding only.....	7	7	124	6	118	141	7	11	5
Sprinkler in combination with other methods.....	2	2	4	2	3	4	2	2	2
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	132	125	903	123	899	1,081	93	127	31
Fixed overhead pipe only.....	130	123	897	122	898	1,051	91	124	30
Combinations of fixed overhead pipe and other methods (except sprinkler).....	2	2	6	1	1	30	2	3	1
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe)	4	4	28	2	9	28	4	4	2
Portable gated pipe only.....	4	4	28	2	9	28	4	4	2
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	6	6	134	4	101	138	2	3	2
Ditches only.....	4	4	121	2	88	124	1	1	2
Ditches and flooding.....	2	2	13	2	13	14	1	2	...
Flooding and combination of flooding with other methods.....	4	4	49	3	50	64	4	4	1
Other methods.....	17	15	110	12	92	192	14	20	9

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Table 7.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

State and method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Indiana.....	348	340	12,901	262	10,357	14,999	338	445	101
Sprinkler and combinations of sprinkler with other methods...	261	255	12,067	192	9,716	14,070	253	315	88
Sprinkler only.....	241	235	8,850	174	6,218	10,203	234	263	84
Sprinkler and fixed overhead pipe only.....	13	13	359	13	343	435	13	27	1
Sprinkler and ditch only.....	3	3	811	2	685	961	3	9	2
Sprinkler and flooding only.....	1	1	11	1	9	9	1	1	...
Sprinkler in combination with other methods.....	3	3	2,036	2	2,461	2,462	2	15	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	70	68	648	65	631	743	69	111	6
Fixed overhead pipe only.....	68	66	634	64	619	724	67	109	6
Combinations of fixed overhead pipe and other methods (except sprinkler).....	2	2	14	1	12	19	2	2	...
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	2	2	32	...	...	32	2	2	...
Portable gated pipe only.....	1	1	31	...	...	31	1	1	...
Portable gated pipe and ditches.....	1	1	1	...	...	1	1	1	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	8	8	141	2	7	141	8	9	3
Ditches only.....	7	7	135	2	7	135	7	8	2
Ditches and flooding.....	1	1	6	...	...	6	1	1	1
Flooding and combination of flooding with other methods.....	2	2	3	...	...	3	2	2	1
Other methods.....	5	5	10	3	3	10	4	6	3
Illinois.....	178	168	5,351	152	4,632	6,097	171	229	41
Sprinkler and combinations of sprinkler with other methods...	144	136	5,101	130	4,517	5,705	140	193	35
Sprinkler only.....	124	116	4,382	111	3,673	4,850	120	159	30
Sprinkler and fixed overhead pipe only.....	5	5	374	5	408	370	5	10	2
Sprinkler and ditch only.....	6	6	53	5	59	72	6	7	2
Sprinkler and flooding only.....	9	9	292	9	377	413	9	17	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	13	13	80	12	61	115	12	15	2
Fixed overhead pipe only.....	13	13	80	12	61	115	12	15	2
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	9	8	70	3	15	176	9	11	3
Ditches only.....	9	8	70	3	15	176	9	11	3
Flooding and combination of flooding with other methods.....	7	6	62	4	36	64	7	7	1
Other methods.....	5	5	38	3	3	37	3	3	...
Wisconsin.....	295	266	10,490	273	12,835	13,514	289	370	99
Sprinkler and combinations of sprinkler with other methods...	274	248	10,104	254	12,441	13,050	272	348	95
Sprinkler only.....	258	233	9,767	241	12,068	12,512	256	321	90
Sprinkler and fixed overhead pipe only.....	11	10	165	9	146	211	11	19	5
Sprinkler and ditch only.....	2	2	34	2	172	172	2	4	...
Sprinkler and flooding only.....	2	2	38	2	55	55	2	3	...
Sprinkler in combination with other methods.....	1	1	100	...	...	100	1	1	...
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	14	13	58	14	66	72	12	15	2
Fixed overhead pipe only.....	14	13	58	14	66	72	12	15	2
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	2	2	25	1	5	25	1	1	1
Ditches only.....	2	2	25	1	5	25	1	1	1
Other methods.....	5	3	303	4	323	367	4	6	1
Michigan.....	1,168	1,040	20,605	1,072	23,931	27,768	1,132	1,365	447
Sprinkler and combinations of sprinkler with other methods...	1,038	926	19,515	961	22,682	26,321	1,028	1,220	428
Sprinkler only.....	986	881	18,300	910	21,300	24,739	977	1,128	402
Sprinkler and fixed overhead pipe only.....	30	27	733	29	828	856	30	62	16
Sprinkler and portable gated pipe only.....	1	1	2	1	2	4	...	...	1
Sprinkler and ditch only.....	10	8	248	10	316	354	10	16	5
Sprinkler and flooding only.....	8	7	157	8	156	264	8	11	2
Sprinkler in combination with other methods.....	3	2	75	3	80	104	3	3	2
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	100	89	604	87	687	786	81	118	10
Fixed overhead pipe only.....	92	82	574	79	650	732	74	110	8
Combinations of fixed overhead pipe and other methods (except sprinkler).....	8	7	30	8	37	54	7	8	2
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	2	2	72	1	70	70	2	2	1
Portable gated pipe only.....	1	1	2	...	...	...	1	1	...
Combinations of portable gated pipe with other methods.....	1	1	70	1	70	70	1	1	1
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	4	2	49	4	148	148	3	3	2
Ditches only.....	3	2	49	3	123	123	3	3	2
Ditches and flooding.....	1	...	...	1	25	25	...	...	...
Flooding and combination of flooding with other methods.....	4	3	38	3	38	38	3	3	...
Other methods.....	20	18	327	16	306	405	15	19	...

## IRRIGATION IN HUMID AREAS

Table 7.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

State and method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Minnesota.....	273	254	7,423	246	7,392	9,168	264	382	23
Sprinkler and combinations of sprinkler with other methods...	246	229	7,041	222	7,000	8,757	242	353	20
Sprinkler only.....	220	205	6,529	198	6,491	8,153	217	308	16
Sprinkler and fixed overhead pipe only.....	21	20	345	20	342	425	20	36	3
Sprinkler and ditch only.....	3	3	162	3	162	171	3	6	1
Sprinkler and flooding only.....	2	1	5	1	5	8	2	3	...
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	21	20	375	20	386	405	19	26	3
Fixed overhead pipe only.....	21	20	375	20	386	405	19	26	3
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe)...	1	1	2	1	2	2	...	...	...
Ditches only.....	1	1	2	1	2	2	...	...	...
Other methods.....	5	4	5	3	4	4	3	3	...
Iowa.....	101	83	1,996	95	2,838	2,912	96	141	15
Sprinkler and combinations of sprinkler with other methods...	84	68	1,669	79	2,446	2,497	81	123	15
Sprinkler only.....	62	49	1,251	59	1,740	1,659	59	85	11
Sprinkler and fixed overhead pipe only.....	7	7	214	7	481	481	7	15	1
Sprinkler and ditch only.....	13	10	188	11	194	321	13	20	1
Sprinkler and flooding only.....	2	2	16	2	31	36	2	3	2
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	8	6	40	7	47	55	6	6	...
Fixed overhead pipe only.....	7	5	38	6	45	53	5	5	...
Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	2	1	2	2	1	1	...
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	150	1	180	180	1	2	...
Portable gated pipe and ditches.....	1	1	150	1	180	180	1	2	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	7	7	117	7	145	178	7	9	...
Ditches only.....	6	6	67	6	65	98	6	8	...
Ditches and flooding.....	1	1	50	1	80	80	1	1	...
Other methods.....	1	1	20	1	20	2	1	1	...
Missouri.....	580	558	33,315	418	21,355	36,822	521	639	115
Sprinkler and combinations of sprinkler with other methods...	431	413	25,229	307	15,819	27,914	415	496	85
Sprinkler only.....	389	373	23,059	269	13,832	25,304	377	438	70
Sprinkler and fixed overhead pipe only.....	12	12	184	12	217	252	8	11	5
Sprinkler and portable gated pipe only.....	2	2	184	2	195	233	2	5	...
Sprinkler and ditch only.....	16	14	367	13	367	474	16	21	4
Sprinkler and flooding only.....	12	12	1,435	11	1,208	1,651	12	21	6
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	53	51	477	48	409	504	25	30	9
Fixed overhead pipe only.....	49	47	449	44	381	477	21	25	7
Combinations of fixed overhead pipe and other methods (except sprinkler).....	4	4	28	4	28	27	4	5	2
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	5	5	318	5	252	368	4	4	2
Portable gated pipe only.....	2	2	141	2	35	141	2	2	...
Portable gated pipe and ditches.....	2	2	152	2	142	152	1	1	2
Portable gated pipe and flooding.....	1	1	25	1	75	75	1	1	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	45	44	2,589	29	2,098	3,243	38	49	8
Ditches only.....	25	24	579	16	480	753	20	24	5
Ditches and flooding.....	19	19	2,009	12	1,617	2,488	17	24	2
Combination of ditches with other methods.....	1	1	1	1	1	2	1	1	1
Flooding and combination of flooding with other methods.....	38	38	4,684	22	2,757	4,767	35	55	9
Other methods.....	8	7	18	7	20	26	4	5	2
Delaware.....	62	59	5,180	58	6,343	6,467	62	77	39
Sprinkler and combinations of sprinkler with other methods...	62	59	5,180	58	6,343	6,467	62	77	39
Sprinkler only.....	58	57	4,985	55	5,855	5,974	58	69	35
Sprinkler and fixed overhead pipe only.....	2	1	15	1	55	60	2	4	2
Sprinkler and portable gated pipe only.....	1	1	180	1	210	210	1	2	1
Sprinkler and ditch only.....	1	...	...	1	223	223	1	2	1

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Table 7.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

State and method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Maryland.....	173	153	7,247	150	8,133	9,663	164	199	92
Sprinkler and combinations of sprinkler with other methods...	152	136	7,126	136	8,060	9,528	148	180	87
Sprinkler only.....	142	126	6,382	126	7,102	8,572	140	158	82
Sprinkler and fixed overhead pipe only.....	6	6	79	6	92	89	4	9	2
Sprinkler and ditch only.....	2	2	27	2	26	27	2	3	2
Sprinkler and flooding only.....	1	1	38	1	40	40	1	1	...
Sprinkler in combination with other methods.....	1	1	600	1	800	800	1	9	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	9	8	49	8	50	53	9	12	3
Fixed overhead pipe only.....	8	7	48	7	49	52	8	11	3
Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	1	1	1	1	1	1	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	4	4	55	1	5	65	3	3	2
Ditches only.....	4	4	55	1	5	65	3	3	2
Flooding and combination of flooding with other methods.....	2	2	12	2	12	12	1	1	...
Other methods.....	6	3	5	3	6	5	3	3	...
Virginia.....	545	522	22,887	426	16,465	24,738	537	630	322
Sprinkler and combinations of sprinkler with other methods...	496	475	22,254	382	15,849	23,936	494	562	304
Sprinkler only.....	480	460	21,096	369	15,366	22,627	478	532	293
Sprinkler and fixed overhead pipe only.....	8	7	107	8	213	258	8	15	5
Sprinkler and portable gated pipe only.....	1	1	10	...	...	10	1	1	1
Sprinkler and ditch only.....	4	4	393	3	55	393	4	10	3
Sprinkler and flooding only.....	3	3	648	2	215	648	3	4	2
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	29	28	275	28	250	299	28	47	7
Fixed overhead pipe only.....	29	28	275	28	250	299	28	47	7
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	13	13	85	10	36	87	8	9	4
Ditches only.....	10	10	69	7	20	71	6	7	4
Ditches and flooding.....	3	3	16	3	16	16	2	2	...
Flooding and combination of flooding with other methods.....	2	2	120	1	60	125	2	4	2
Other methods.....	5	4	153	5	270	291	5	8	5
West Virginia.....	29	29	1,104	26	973	1,176	26	31	10
Sprinkler and combinations of sprinkler with other methods...	25	25	1,085	23	953	1,155	25	30	7
Sprinkler only.....	23	23	1,035	21	898	1,100	23	27	6
Sprinkler and fixed overhead pipe only.....	2	2	50	2	55	55	2	3	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	5	1	5	5	1	1	...
Fixed overhead pipe only.....	1	1	5	1	5	5	1	1	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	2	2	4	1	3	4	...	...	2
Ditches only.....	2	2	4	1	3	4	...	...	2
Other methods.....	1	1	10	1	12	12	...	...	1
North Carolina.....	1,590	1,547	27,135	1,197	21,350	30,874	1,559	1,752	1,073
Sprinkler and combinations of sprinkler with other methods...	1,516	1,479	26,433	1,151	20,716	30,060	1,505	1,687	1,042
Sprinkler only.....	1,469	1,433	24,363	1,113	18,850	27,963	1,459	1,610	1,014
Sprinkler and fixed overhead pipe only.....	20	20	1,008	18	1,062	965	20	37	14
Sprinkler and portable gated pipe only.....	10	9	371	6	157	356	9	10	6
Sprinkler and ditch only.....	9	9	478	7	503	527	9	17	5
Sprinkler and flooding only.....	7	7	193	6	134	199	7	10	2
Sprinkler in combination with other methods.....	1	1	20	1	10	50	1	3	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	27	24	167	22	203	246	24	31	16
Fixed overhead pipe only.....	24	21	138	19	164	206	21	28	15
Combinations of fixed overhead pipe and other methods (except sprinkler).....	3	3	29	3	39	40	3	3	1
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	5	5	43	1	1	43	5	5	3
Portable gated pipe only.....	5	5	43	1	1	43	5	5	3
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	21	19	329	11	304	332	7	8	7
Ditches only.....	15	13	303	10	292	305	3	4	4
Ditches and flooding.....	5	5	25	1	12	26	4	4	2
Combination of ditches with other methods.....	1	1	1	...	...	1	...	...	1
Flooding and combination of flooding with other methods.....	6	6	51	2	38	76	5	6	2
Other methods.....	12	11	77	9	73	82	11	12	3
Method not reported.....	3	3	35	1	15	35	2	3	...

## IRRIGATION IN HUMID AREAS

Table 7.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

State and method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
South Carolina.....	494	475	21,524	350	16,504	25,901	474	612	367
Sprinkler and combinations of sprinkler with other methods...	453	435	19,480	321	14,815	23,287	449	580	342
Sprinkler only.....	418	401	16,931	295	12,443	20,022	414	508	316
Sprinkler and fixed overhead pipe only.....	8	8	104	8	91	111	8	31	8
Sprinkler and portable gated pipe only.....	2	2	121	...	...	121	2	4	1
Sprinkler and ditch only.....	9	9	625	6	560	802	9	13	8
Sprinkler and flooding only.....	15	14	1,696	11	1,717	2,227	15	22	8
Sprinkler in combination with other methods.....	1	1	3	1	4	4	1	2	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	9	9	118	8	106	147	8	12	5
Fixed overhead pipe only.....	8	8	116	7	99	140	7	8	4
Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	2	1	7	7	1	4	1
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	3	2	124	3	113	142	3	5	2
Portable gated pipe only.....	3	2	124	3	113	142	3	5	2
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	17	17	674	11	377	722	8	9	11
Ditches only.....	8	8	51	4	20	59	5	5	5
Ditches and flooding.....	9	9	623	7	357	663	3	4	6
Flooding and combination of flooding with other methods.....	7	7	986	4	986	1,461	2	2	3
Other methods.....	5	5	142	3	107	142	4	4	4
Georgia.....	857	801	24,681	734	25,271	32,581	828	1,008	649
Sprinkler and combinations of sprinkler with other methods...	785	732	24,040	680	24,683	31,866	777	951	615
Sprinkler only.....	722	675	21,935	626	22,658	29,430	716	855	568
Sprinkler and fixed overhead pipe only.....	15	13	373	11	314	426	14	35	11
Sprinkler and portable gated pipe only.....	2	2	8	1	3	9	2	2	2
Sprinkler and ditch only.....	21	19	793	21	890	954	20	29	17
Sprinkler and flooding only.....	24	22	930	20	817	1,046	24	29	16
Sprinkler in combination with other methods.....	1	1	1	1	1	1	1	1	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	16	15	210	15	225	252	15	19	8
Fixed overhead pipe only.....	14	13	206	13	215	242	14	18	7
Combinations of fixed overhead pipe and other methods (except sprinkler).....	2	2	4	2	10	10	1	1	1
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	3	3	26	1	15	27	3	4	...
Portable gated pipe only.....	3	3	26	1	15	27	3	4	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	37	36	331	27	284	356	20	20	20
Ditches only.....	29	28	170	21	135	194	17	17	15
Ditches and flooding.....	8	8	161	6	149	162	3	3	5
Flooding and combination of flooding with other methods.....	10	10	62	7	56	70	8	9	4
Other methods.....	5	4	9	4	8	10	4	4	1
Method not reported.....	1	1	3	...	...	...	1	1	1
Kentucky.....	829	802	13,351	449	6,313	15,204	799	847	257
Sprinkler and combinations of sprinkler with other methods...	781	758	13,156	422	6,172	14,991	762	803	244
Sprinkler only.....	757	735	12,713	404	5,957	14,412	739	776	237
Sprinkler and fixed overhead pipe only.....	11	11	186	8	124	214	11	13	2
Sprinkler and portable gated pipe only.....	2	2	48	2	22	48	2	2	1
Sprinkler and ditch only.....	5	5	31	4	54	40	5	7	1
Sprinkler and flooding only.....	5	4	177	3	14	275	5	5	3
Sprinkler in combination with other methods.....	1	1	1	1	1	2	...	...	...
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	15	13	86	13	87	103	12	17	4
Fixed overhead pipe only.....	15	13	86	13	87	103	12	17	4
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	8	8	42	4	29	40	7	8	2
Portable gated pipe only.....	6	6	35	2	20	34	5	5	1
Portable gated pipe and ditches.....	2	2	7	2	9	6	2	3	1
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	10	10	36	6	12	36	9	10	4
Ditches only.....	10	10	36	6	12	36	9	10	4
Flooding and combination of flooding with other methods.....	5	5	9	1	3	9	5	5	1
Other methods.....	3	3	11	2	5	9	2	2	1
Method not reported.....	7	5	11	1	5	16	2	2	1

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Table 7.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

State and method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Tennessee.....	777	712	23,000	558	16,819	27,145	757	836	193
Sprinkler and combinations of sprinkler with other methods...	714	652	22,423	531	16,437	26,361	707	782	183
Sprinkler only.....	676	617	20,333	503	15,042	24,296	669	727	172
Sprinkler and fixed overhead pipe only.....	9	7	379	7	466	491	9	13	3
Sprinkler and portable gated pipe only.....	6	6	801	5	465	576	6	11	1
Sprinkler and ditch only.....	12	12	498	8	107	537	12	19	4
Sprinkler and flooding only.....	10	9	212	7	157	261	10	10	2
Sprinkler in combination with other methods.....	1	1	200	1	200	200	1	2	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	9	7	153	7	321	352	9	9	1
Fixed overhead pipe only.....	9	7	153	7	321	352	9	9	1
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	4	3	12	1	7	20	4	4	1
Portable gated pipe only.....	2	1	3	...	...	5	2	2	...
Portable gated pipe and ditches.....	2	2	9	1	7	15	2	2	1
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	35	35	339	12	45	343	24	27	8
Ditches only.....	29	29	309	9	34	313	21	23	5
Ditches and flooding.....	5	5	22	3	11	22	2	2	2
Combination of ditches with other methods.....	1	1	8	...	...	8	1	2	1
Flooding and combination of flooding with other methods.....	7	7	60	3	4	56	6	6	...
Other methods.....	8	8	13	4	5	13	7	8	...
Alabama.....	330	322	15,409	266	12,641	18,353	316	427	145
Sprinkler and combinations of sprinkler with other methods...	265	257	14,483	225	12,128	17,397	263	361	123
Sprinkler only.....	233	225	13,024	195	10,340	15,462	232	299	105
Sprinkler and fixed overhead pipe only.....	8	8	194	8	194	206	7	24	4
Sprinkler and portable gated pipe only.....	5	5	469	5	695	695	5	11	5
Sprinkler and ditch only.....	8	8	201	7	283	300	8	10	2
Sprinkler and flooding only.....	9	9	531	8	552	670	9	14	6
Sprinkler in combination with other methods.....	2	2	64	2	64	64	2	3	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	25	25	357	21	293	391	21	29	9
Fixed overhead pipe only.....	22	22	176	18	167	210	18	23	7
Combinations of fixed overhead pipe and other methods (except sprinkler).....	3	3	181	3	126	181	3	6	2
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	4	4	160	1	31	160	4	5	1
Portable gated pipe only.....	4	4	160	1	31	160	4	5	1
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	22	22	297	11	136	293	15	18	10
Ditches only.....	16	16	161	7	54	157	11	12	7
Ditches and flooding.....	6	6	136	4	82	136	4	6	3
Flooding and combination of flooding with other methods.....	5	5	52	2	27	52	4	4	1
Other methods.....	9	9	60	6	26	60	9	10	1
Mississippi.....	909	897	133,743	638	100,835	151,772	851	1,591	265
Sprinkler and combinations of sprinkler with other methods...	358	351	44,045	270	35,257	52,545	356	660	133
Sprinkler only.....	205	202	14,649	150	10,262	17,020	204	277	84
Sprinkler and fixed overhead pipe only.....	3	2	30	2	40	65	3	6	2
Sprinkler and portable gated pipe only.....	41	41	7,852	38	7,072	8,898	41	95	18
Sprinkler and ditch only.....	54	51	10,781	36	8,144	12,454	53	144	13
Sprinkler and flooding only.....	55	55	10,733	44	9,739	14,108	55	138	16
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	6	6	1,030	6	999	1,161	6	11	2
Fixed overhead pipe only.....	5	5	474	5	442	604	5	8	2
Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	556	1	557	557	1	3	...
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	114	112	20,531	83	16,687	24,959	113	250	38
Portable gated pipe only.....	41	40	3,944	22	2,440	4,489	40	58	10
Portable gated pipe and ditches.....	50	50	9,556	39	8,468	11,799	50	118	19
Portable gated pipe and flooding.....	23	22	7,031	22	5,779	8,671	23	74	9
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	268	267	31,161	162	22,843	34,003	222	376	67
Ditches only.....	203	202	13,037	110	8,633	14,263	161	206	53
Ditches and flooding.....	65	65	18,124	52	14,210	19,740	61	170	14
Flooding and combination of flooding with other methods.....	158	156	36,948	114	24,996	39,047	150	289	25
Other methods.....	4	4	15	2	40	44	4	5	...
Method not reported.....	1	1	13	1	13	13	...	...	...

## IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS,

[Data on cost of irrigation systems were reported only for farms

Data on cost of irrigation systems were reported only for farms										
Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955	
		1954		1955			Farms reporting	Number		
		Farms reporting	Acres	Farms reporting	Acres					
1 Total, 28 States.....	6,414	6,085	245,928	5,541	220,082	295,154	6,207	7,530	3,165	
2 Sprinkler and combinations of sprinkler with other methods.....	5,895	5,589	205,881	5,151	189,358	249,795	5,767	6,892	3,008	
3 Sprinkler only.....	5,680	5,383	183,554	4,998	167,300	222,268	5,569	6,453	2,902	
4 Sprinkler and fixed overhead pipe only.....	86	81	1,708	76	1,894	2,099	72	124	41	
5 Sprinkler and portable gated pipe only.....	44	43	5,421	41	5,609	6,861	42	85	20	
6 Sprinkler and ditch only.....	41	38	7,090	36	6,192	8,243	41	120	24	
7 Sprinkler and flooding only.....	29	29	4,761	26	4,460	6,262	29	69	11	
8 Sprinkler in combination with other methods.....	15	15	3,347	14	3,903	4,062	14	41	10	
9 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	112	100	1,078	104	1,443	1,545	84	100	40	
10 Fixed overhead pipe only.....	109	97	1,070	101	1,433	1,535	82	98	39	
11 Combinations of fixed overhead pipe and other methods (except sprinkler).....	3	3	8	3	10	10	2	2	1	
12 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	58	56	8,284	47	6,978	10,172	58	109	20	
13 Portable gated pipe only.....	31	30	1,862	22	1,032	2,147	31	40	8	
14 Portable gated pipe and ditches.....	16	16	3,282	14	2,749	3,960	16	38	6	
15 Portable gated pipe and flooding.....	11	10	3,140	11	3,197	4,065	11	31	6	
16 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe and portable gated pipe).....	188	182	15,491	117	11,540	17,105	154	225	63	
17 Ditches only.....	132	126	5,965	73	4,297	6,858	103	125	46	
18 Ditches and flooding.....	53	53	9,518	41	7,235	10,238	48	97	15	
19 Combinations of ditches with other methods.....	3	3	8	3	8	9	3	3	2	
20 Flooding and combination of flooding with other methods.....	101	101	14,135	74	9,662	15,292	95	143	14	
21 Other methods.....	58	56	1,041	47	1,096	1,222	47	59	20	
22 Method not reported.....	2	1	18	1	5	23	2	2	...	
23 Maine.....	24	16	138	22	416	483	20	23	14	
24 Sprinkler and combinations of sprinkler with other methods.....	20	14	133	19	410	477	19	22	13	
25 Sprinkler only.....	19	13	122	18	392	459	19	22	13	
26 Sprinkler and portable gated pipe only.....	1	1	11	1	18	18	...	...	...	
27 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	2	1	2	2	1	1	...	
28 Portable gated pipe only.....	1	1	2	1	2	2	1	1	...	
29 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	...	...	...	...	...	...	...	1	
30 Ditches only.....	1	...	...	...	...	...	...	...	1	
31 Flooding and combination of flooding with other methods.....	1	1	3	1	3	3	...	...	...	
32 Other methods.....	1	...	...	1	1	1	...	...	...	
33 New Hampshire.....	31	30	510	30	685	718	28	31	15	
34 Sprinkler and combinations of sprinkler with other methods.....	28	27	487	28	663	695	26	28	14	
35 Sprinkler only.....	28	27	487	28	663	695	26	28	14	
36 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	20	1	20	20	1	2	1	
37 Fixed overhead pipe only.....	1	1	20	1	20	20	1	2	1	
38 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	2	2	3	1	2	3	1	1	...	
39 Ditches only.....	1	1	1	...	...	1	...	...	...	
40 Combinations of ditches with other methods.....	1	1	2	1	2	2	1	1	...	
41 Vermont.....	14	14	267	13	275	341	14	16	4	
42 Sprinkler and combinations of sprinkler with other methods.....	14	14	267	13	275	341	14	16	4	
43 Sprinkler only.....	14	14	267	13	275	341	14	16	4	
44 Massachusetts.....	217	199	3,982	205	4,462	5,343	177	213	102	
45 Sprinkler and combinations of sprinkler with other methods.....	202	185	3,865	190	4,336	5,178	168	204	96	
46 Sprinkler only.....	191	175	3,693	180	4,150	4,972	161	191	93	
47 Sprinkler and fixed overhead pipe only.....	9	9	140	8	151	170	5	9	1	
48 Sprinkler and ditch only.....	1	...	...	1	4	4	1	1	1	
49 Sprinkler in combination with other methods.....	1	1	32	1	31	32	1	3	1	
50 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	10	9	58	10	64	64	6	6	3	
51 Fixed overhead pipe only.....	10	9	58	10	64	64	6	6	3	
52 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	2	2	13	2	16	55	2	2	1	
53 Portable gated pipe only.....	2	2	13	2	16	55	2	2	1	
54 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe and portable gated pipe).....	2	2	44	2	44	44	...	...	2	
55 Ditches only.....	2	2	44	2	44	44	...	...	2	
56 Other methods.....	1	1	2	1	2	2	1	1	...	

# IRRIGATION IN HUMID AREAS

47

## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955

reporting irrigation beginning in 1946 or later. See text.]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
35,545,680	5,542	145	6,382	27,477,344	4,305	112	693	826,488	1,193	3.36	3,896	7,241,848	1,859	29.45	1
32,852,570	5,573	160	5,892	25,853,911	4,388	126	448	476,086	1,063	2.31	3,617	6,522,573	1,803	31.68	2
30,554,219	5,379	166	5,677	24,317,404	4,283	132	351	286,714	817	1.56	3,466	5,950,101	1,717	32.42	3
493,932	5,743	289	86	369,954	4,302	217	14	12,680	906	7.42	56	111,298	1,987	65.16	4
513,672	11,674	95	44	401,560	9,126	74	14	20,645	1,475	3.81	28	91,467	3,267	16.87	5
476,821	11,630	67	41	235,898	5,754	33	41	78,350	1,911	11.05	31	162,573	5,244	22.93	6
398,757	13,750	84	29	250,650	8,643	53	27	77,647	16.31	16.31	24	70,460	2,936	14.80	7
415,169	27,678	124	15	278,445	18,563	83	1	50	50	0.01	12	136,674	11,390	40.83	8
618,898	5,526	574	112	517,211	4,618	480	18	12,505	695	11.60	62	89,182	1,438	82.73	9
617,078	5,661	577	109	515,841	4,732	482	17	12,455	733	11.64	61	88,782	1,455	82.97	10
1,820	607	228	3	1,370	457	171	1	50	50	6.25	1	400	400	50.00	11
487,375	8,403	59	58	240,676	4,150	29	37	89,975	2,432	10.86	36	156,724	4,353	18.92	12
148,852	4,802	80	31	93,481	3,016	50	11	16,339	1,485	8.77	13	39,032	3,002	20.96	13
183,199	11,450	56	16	87,275	5,455	27	15	34,199	2,880	10.42	14	61,725	4,409	18.81	14
155,324	14,120	49	11	59,920	5,447	19	11	39,437	3,585	12.56	9	55,967	6,219	17.82	15
876,760	4,664	57	165	458,888	2,781	30	123	150,216	1,221	9.70	105	267,656	2,549	17.28	16
367,785	2,786	62	112	181,759	1,623	30	84	57,151	680	9.58	69	128,875	1,868	21.61	17
506,960	9,565	53	50	276,204	5,524	29	37	92,850	2,509	9.76	34	137,906	4,056	14.49	18
2,015	672	252	3	925	308	116	2	215	108	26.88	2	875	438	109.38	19
542,728	5,374	38	98	303,326	3,095	21	57	85,901	1,507	6.08	47	153,501	3,266	10.86	20
158,807	2,738	153	55	94,790	1,723	92	10	11,805	1,181	11.34	29	52,212	1,800	50.16	21
8,542	4,271	475	2	8,542	4,271	474	...	...	...	...	...	...	...	...	22
66,866	2,786	485	23	57,011	2,479	413	1	600	600	4.35	14	9,255	661	67.07	23
64,631	3,232	486	20	59,976	2,799	421	...	...	...	...	13	8,655	666	65.08	24
64,131	3,375	526	19	55,476	2,920	455	...	...	...	...	13	8,655	666	70.94	25
500	500	45	1	500	500	45	...	...	...	...	...	...	...	...	26
915	915	458	1	915	915	458	...	...	...	...	...	...	...	...	27
915	915	458	1	915	915	458	...	...	...	...	...	...	...	...	28
1,200	1,200	...	...	...	...	...	1	600	600	...	1	600	600	...	29
1,200	1,200	...	...	...	...	...	1	600	600	...	1	600	600	...	30
50	50	17	1	50	50	17	...	...	...	...	...	...	...	...	31
70	70	...	1	70	70	...	...	...	...	...	...	...	...	...	32
88,468	2,854	173	30	68,898	2,297	135	6	2,081	347	4.08	15	17,489	1,166	34.29	33
83,068	2,967	170	28	66,048	2,359	136	4	1,681	420	3.45	14	15,339	1,096	31.50	34
83,068	2,967	170	28	66,048	2,359	136	4	1,681	420	3.45	14	15,339	1,096	31.50	35
4,750	4,750	238	1	2,600	2,600	130	...	...	...	...	1	2,150	2,150	107.50	36
4,750	4,750	238	1	2,600	2,600	130	...	...	...	...	1	2,150	2,150	107.50	37
650	325	217	1	250	250	83	2	400	200	133.33	...	...	...	...	38
200	200	...	...	...	...	...	1	200	200	200.00	...	...	...	...	39
450	450	225	1	250	250	125	1	200	200	100.00	...	...	...	...	40
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60	41
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60	42
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60	43
731,941	3,373	184	215	620,932	2,888	156	24	21,891	912	5.50	112	89,118	796	22.38	44
712,646	3,528	184	202	607,152	3,006	157	21	19,586	933	5.07	104	85,908	826	22.23	45
686,706	3,595	186	191	583,927	3,057	158	19	19,491	1,026	5.28	100	83,288	833	22.55	46
19,100	2,122	136	9	17,925	1,992	128	1	75	75	0.54	2	1,100	550	7.86	47
340	340	340	1	300	300	...	1	20	20	...	1	20	20	...	48
6,500	6,500	203	1	5,000	5,000	156	...	...	...	...	1	1,500	1,500	46.88	49
12,225	1,222	211	10	10,225	1,022	176	...	...	...	...	5	2,000	400	34.48	50
12,225	1,222	211	10	10,225	1,022	176	...	...	...	...	5	2,000	400	34.48	51
3,315	1,658	255	2	3,000	1,500	231	...	...	...	...	1	315	315	24.23	52
3,315	1,658	255	2	3,000	1,500	231	...	...	...	...	1	315	315	24.23	53
3,195	1,598	73	...	...	...	...	2	2,300	1,150	52.27	2	895	448	20.34	54
3,195	1,598	73	...	...	...	...	2	2,300	1,150	52.27	2	895	448	20.34	55
560	560	280	1	555	555	278	1	5	5	2.50	...	...	...	...	56

## IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

[Data on cost of irrigation systems were reported only for farms										
Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955	
		1954		1955			Farms reporting	Number		
		Farms reporting	Acres	Farms reporting	Acres					
1 Rhode Island.....	17	17	535	15	377	633	16	21	7	
2 Sprinkler and combinations of sprinkler with other methods.....	16	16	510	14	345	601	15	20	7	
3 Sprinkler only.....	16	16	510	14	345	601	15	20	7	
4 Other methods.....	1	1	25	1	32	32	1	1	...	
5 Connecticut.....	161	151	5,924	155	6,161	6,679	158	208	98	
6 Sprinkler and combinations of sprinkler with other methods.....	153	143	5,900	147	6,133	6,652	152	201	93	
7 Sprinkler only.....	149	139	5,808	143	6,016	6,552	149	195	90	
8 Sprinkler and fixed overhead pipe only.....	3	3	50	3	60	60	2	4	2	
9 Sprinkler and flooding only.....	1	1	42	1	57	40	1	2	1	
10 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	2	2	13	2	13	13	2	2	1	
11 Fixed overhead pipe only.....	2	2	13	2	13	13	2	2	1	
12 Flooding and combination of flooding with other methods.....	1	1	4	1	5	4	1	1	...	
13 Other methods.....	5	5	7	5	10	10	3	4	4	
14 New York.....	467	434	16,596	449	18,390	20,078	422	512	169	
15 Sprinkler and combinations of sprinkler with other methods.....	452	420	16,476	434	18,201	19,886	413	500	166	
16 Sprinkler only.....	436	406	16,008	418	17,680	19,349	401	478	160	
17 Sprinkler and fixed overhead pipe only.....	11	10	273	11	271	283	7	13	2	
18 Sprinkler and portable gated pipe only.....	2	1	24	2	32	36	2	2	2	
19 Sprinkler and ditch only.....	2	2	71	2	118	118	2	6	2	
20 Sprinkler in combination with other methods.....	1	1	100	1	100	100	1	1	...	
21 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	8	7	38	8	55	56	3	3	2	
22 Fixed overhead pipe only.....	8	7	38	8	55	56	3	3	2	
23 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	52	1	103	103	1	2	1	
24 Portable gated pipe only.....	1	1	52	1	103	103	1	2	1	
25 Flooding and combination of flooding with other methods.....	2	2	7	2	7	9	2	2	...	
26 Other methods.....	4	4	23	4	24	24	3	5	...	
27 New Jersey.....	560	520	20,343	541	24,339	24,291	540	683	328	
28 Sprinkler and combinations of sprinkler with other methods.....	542	502	20,198	524	24,190	24,139	526	667	322	
29 Sprinkler only.....	526	487	19,840	509	23,745	23,688	512	648	313	
30 Sprinkler and fixed overhead pipe only.....	10	9	123	10	155	145	8	13	4	
31 Sprinkler and ditch only.....	1	1	5	1	5	5	1	1	1	
32 Sprinkler and flooding only.....	3	3	66	2	82	98	3	3	2	
33 Sprinkler in combination with other methods.....	2	2	164	2	203	203	2	2	2	
34 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	12	12	131	12	136	136	8	9	4	
35 Fixed overhead pipe only.....	12	12	131	12	136	136	8	9	4	
36 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	1	2	1	3	3	1	2	1	
37 Ditches only.....	1	1	2	1	3	3	1	2	1	
38 Flooding and combination of flooding with other methods.....	2	2	7	2	6	7	2	2	1	
39 Other methods.....	3	3	5	2	4	6	3	3	...	
40 Pennsylvania.....	277	266	7,681	263	8,398	9,502	272	304	134	
41 Sprinkler and combinations of sprinkler with other methods.....	257	247	7,442	245	8,253	9,259	254	283	122	
42 Sprinkler only.....	250	240	7,388	238	8,206	9,205	250	278	120	
43 Sprinkler and fixed overhead pipe only.....	4	4	30	4	22	30	2	3	1	
44 Sprinkler and ditch only.....	1	1	16	1	17	17	1	1	1	
45 Sprinkler and flooding only.....	1	1	4	1	4	3	1	1	...	
46 Sprinkler in combination with other methods.....	1	1	4	1	4	4	...	...	...	
47 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	8	7	95	7	52	95	6	6	5	
48 Fixed overhead pipe only.....	8	7	95	7	52	95	6	6	5	
49 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	3	1	5	5	1	1	1	
50 Portable gated pipe only.....	1	1	3	1	5	5	1	1	1	
51 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	1	5	1	5	5	1	1	1	
52 Combination of ditches with other methods.....	1	1	5	1	5	5	1	1	1	
53 Flooding and combination of flooding with other methods.....	4	4	75	4	30	75	4	5	...	
54 Other methods.....	6	6	61	5	53	63	6	8	5	

# IRRIGATION IN HUMID AREAS

49

## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
63,525	3,737	119	17	54,045	3,179	101	...	...	...	...	8	9,480	1,185	17.72	1
60,995	3,812	120	16	51,515	3,220	101	...	...	...	...	8	9,480	1,185	18.59	2
60,995	3,812	120	16	51,515	3,220	101	...	...	...	...	8	9,480	1,185	18.59	3
2,530	2,530	101	1	2,530	2,530	101	...	...	...	...	...	...	...	...	4
1,279,209	7,945	216	160	1,020,923	6,381	172	21	15,500	738	2.62	101	242,786	2,404	40.98	5
1,273,283	8,322	216	152	1,016,493	6,687	172	21	15,500	738	2.63	96	241,290	2,513	40.90	6
1,252,533	8,406	216	148	1,003,593	6,781	173	20	15,350	768	2.64	93	233,590	2,512	40.22	7
15,700	5,233	314	3	8,200	2,733	164	...	...	...	...	2	7,500	3,750	150.00	8
5,050	5,050	120	1	4,700	4,700	112	1	150	150	3.57	1	200	200	4.76	9
2,725	1,362	210	2	2,650	1,325	204	...	...	...	...	1	75	75	5.77	10
2,725	1,362	210	2	2,650	1,325	204	...	...	...	...	1	75	75	5.77	11
480	480	120	1	480	480	120	...	...	...	...	...	...	...	...	12
2,721	544	389	5	1,300	260	186	...	...	...	...	4	1,421	355	203.00	13
2,560,967	5,484	154	467	2,099,369	4,495	126	26	29,961	1,152	1.81	301	431,637	1,434	26.01	14
2,517,293	5,569	153	452	2,074,521	4,590	126	23	24,197	1,052	1.47	295	418,575	1,419	25.40	15
2,426,976	5,566	152	436	2,008,692	4,607	125	20	21,952	1,098	1.37	284	396,332	1,396	24.76	16
61,700	5,609	226	11	43,100	3,918	158	1	1,200	1,200	4.40	6	17,400	2,900	63.74	17
5,500	2,750	229	2	4,000	2,000	167	...	...	...	...	2	1,500	750	62.50	18
7,117	3,558	100	2	4,729	2,364	67	2	1,045	522	14.72	2	1,343	672	18.92	19
16,000	16,000	160	1	14,000	14,000	140	...	...	...	...	1	2,000	2,000	20.00	20
11,058	1,382	291	8	9,358	1,170	246	...	...	...	...	3	1,700	567	44.74	21
11,058	1,382	291	8	9,358	1,170	246	...	...	...	...	3	1,700	567	44.74	22
9,096	9,096	175	1	6,240	6,240	120	1	1,714	1,714	32.96	1	1,142	1,142	21.96	23
9,096	9,096	175	1	6,240	6,240	120	1	1,714	1,714	32.96	1	1,142	1,142	21.96	24
1,900	950	271	2	1,900	950	271	...	...	...	...	...	...	...	...	25
21,620	5,405	940	4	7,350	1,838	320	2	4,050	2,025	176.09	2	10,220	5,110	444.35	26
3,659,940	6,536	180	559	3,000,933	5,368	148	80	48,387	605	2.38	409	610,620	1,493	30.02	27
3,619,917	6,679	179	541	2,970,273	5,490	147	76	45,487	599	2.25	400	604,157	1,510	29.91	28
3,547,131	6,744	179	525	2,913,300	5,549	147	71	41,832	589	2.11	387	591,999	1,530	29.84	29
30,998	3,100	252	10	25,504	2,550	207	2	745	372	6.06	7	4,749	678	38.61	30
1,100	1,100	220	1	700	700	140	1	300	300	60.00	1	100	100	20.00	31
12,620	4,207	191	3	6,300	2,100	95	2	2,610	1,305	39.55	3	3,710	1,237	56.21	32
28,068	14,034	171	2	24,469	12,234	149	...	...	...	...	2	3,599	1,800	21.95	33
37,608	3,134	287	12	28,770	2,398	220	3	2,800	933	21.37	6	6,038	1,006	46.09	34
37,608	3,134	287	12	28,770	2,398	220	3	2,800	933	21.37	6	6,038	1,006	46.09	35
550	550	275	1	450	450	225	...	...	...	...	1	100	100	50.00	36
550	550	275	1	450	450	225	...	...	...	...	1	100	100	50.00	37
590	295	84	2	440	220	63	1	100	100	14.29	1	50	50	7.14	38
1,275	425	255	3	1,000	333	200	...	...	...	...	1	275	275	55.00	39
1,227,710	4,432	160	277	1,058,772	3,822	138	11	3,051	277	0.40	143	165,887	1,160	21.60	40
1,201,090	4,674	161	257	1,037,548	4,037	139	10	2,851	285	0.38	131	160,691	1,227	21.59	41
1,194,540	4,778	162	250	1,031,848	4,127	140	8	2,701	338	0.37	129	159,991	1,240	21.66	42
4,000	1,000	133	4	3,900	975	130	...	...	...	...	1	100	100	3.33	43
850	850	53	1	200	200	12	1	50	50	3.12	1	600	600	37.50	44
1,300	1,300	325	1	1,200	1,200	300	1	100	100	25.00	...	...	...	...	45
400	400	100	1	400	400	100	...	...	...	...	...	...	...	...	46
14,394	1,799	152	8	12,504	1,563	132	...	...	...	...	5	1,890	378	19.89	47
14,394	1,799	152	8	12,504	1,563	132	...	...	...	...	5	1,890	378	19.89	48
1,050	1,050	350	1	550	550	183	...	...	...	...	1	500	500	166.67	49
1,050	1,050	350	1	550	550	183	...	...	...	...	1	500	500	166.67	50
1,200	1,200	240	1	600	600	120	...	...	...	...	1	600	600	120.00	51
1,200	1,200	240	1	600	600	120	...	...	...	...	1	600	600	120.00	52
3,600	900	48	4	3,600	900	48	...	...	...	...	...	...	...	...	53
6,376	1,063	105	6	3,970	662	65	1	200	200	3.28	5	2,206	441	36.16	54

## IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Ohio.....	225	216	5,193	195	4,521	5,944	218	258	97
Sprinkler and combinations of sprinkler with other methods.....	211	203	5,114	184	4,440	5,856	208	247	92
Sprinkler only.....	200	192	4,865	174	4,139	5,554	197	228	85
Sprinkler and fixed overhead pipe only.....	8	8	242	7	292	293	8	14	4
Sprinkler and ditch only.....	1	1	2	1	4	4	1	1	1
Sprinkler and flooding only.....	1	1	4	1	4	4	1	3	1
Sprinkler in combination with other methods.....	1	1	1	1	1	1	1	1	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	11	10	64	8	65	72	7	8	4
Fixed overhead pipe only.....	11	10	64	8	65	72	7	8	4
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	6	1	6	6	1	1	...
Portable gated pipe only.....	1	1	6	1	6	6	1	1	...
Other methods.....	2	2	9	2	10	10	2	2	1
Indiana.....	120	118	7,283	94	5,857	8,416	118	150	40
Sprinkler and combinations of sprinkler with other methods.....	113	111	7,118	91	5,845	8,251	111	143	38
Sprinkler only.....	111	109	4,924	89	3,350	5,631	109	124	37
Sprinkler and ditch only.....	1	1	160	1	35	160	1	5	...
Sprinkler in combination with other methods.....	1	1	2,034	1	2,460	2,460	1	14	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	2	2	8	2	7	8	2	2	1
Fixed overhead pipe only.....	2	2	8	2	7	8	2	2	1
Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	31	...	...	31	1	1	...
Portable gated pipe only.....	1	1	31	...	...	31	1	1	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	3	3	125	1	5	125	3	3	1
Ditches only.....	3	3	125	1	5	125	3	3	1
Flooding and combination of flooding with other methods.....	1	1	1	...	...	1	1	1	...
Illinois.....	66	61	1,404	53	1,258	1,663	64	82	21
Sprinkler and combinations of sprinkler with other methods.....	58	54	1,319	50	1,227	1,576	56	73	19
Sprinkler only.....	55	51	1,255	47	1,159	1,526	53	69	18
Sprinkler and fixed overhead pipe only.....	3	3	64	3	68	50	3	4	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	5	1	5	5	1	1	...
Fixed overhead pipe only.....	1	1	5	1	5	5	1	1	...
Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	4	3	15	1	2	17	4	5	2
Ditches only.....	4	3	15	1	2	17	4	5	2
Flooding and combination of flooding with other methods.....	1	1	30	1	24	30	1	1	...
Other methods.....	2	2	35	...	...	35	2	2	...
Wisconsin.....	133	125	4,615	121	5,072	6,147	132	154	48
Sprinkler and combinations of sprinkler with other methods.....	130	123	4,312	118	4,767	5,842	129	149	47
Sprinkler only.....	127	120	4,195	117	4,765	5,724	126	146	46
Sprinkler and fixed overhead pipe only.....	2	2	17	1	2	18	2	2	1
Sprinkler in combination with other methods.....	1	1	100	...	...	100	1	1	...
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	2	1	3	2	5	5	2	2	...
Fixed overhead pipe only.....	2	1	3	2	5	5	2	2	...
Other methods.....	1	1	300	1	300	300	1	3	1
Michigan.....	547	502	9,832	512	11,545	13,638	539	621	257
Sprinkler and combinations of sprinkler with other methods.....	535	492	9,532	503	11,216	13,273	532	614	252
Sprinkler only.....	526	483	9,283	494	10,954	12,989	524	597	245
Sprinkler and fixed overhead pipe only.....	4	4	161	4	170	170	4	11	4
Sprinkler and portable gated pipe only.....	1	1	2	1	2	4	...	...	1
Sprinkler and ditch only.....	1	1	1	1	1	1	1	2	...
Sprinkler and flooding only.....	1	1	10	1	13	15	1	2	1
Sprinkler in combination with other methods.....	2	2	75	2	76	94	2	2	1
Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	6	4	92	4	155	162	4	4	2
Fixed overhead pipe only.....	5	3	88	3	150	157	3	3	2
Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	4	1	5	5	1	1	...
Other methods.....	6	6	208	5	174	203	3	3	3

# IRRIGATION IN HUMID AREAS

51

## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
932,641	4,145	180	225	729,121	3,241	140	11	13,280	1,207	2.56	132	190,240	1,441	36.63	1
872,983	4,137	171	211	685,793	3,250	134	10	13,200	1,320	2.58	126	173,990	1,381	34.02	2
804,746	4,024	165	200	647,853	3,239	133	7	6,100	871	1.25	117	150,793	1,289	31.00	3
56,037	7,005	232	8	33,115	4,139	137	1	3,000	3,000	12.40	6	19,922	3,320	82.32	4
2,950	2,950	1,475	1	2,000	2,000	1,000	1	100	100	50.00	1	850	850	425.00	5
8,500	8,500	2,125	1	2,500	2,500	625	1	4,000	4,000	1,000.00	1	2,000	2,000	500.00	6
750	750	750	1	325	325	325	...	...	...	...	1	425	425	425.00	7
56,958	5,178	890	11	41,678	3,789	651	1	80	80	1.25	5	15,200	3,040	237.50	8
56,958	5,178	890	11	41,678	3,789	651	1	80	80	1.25	5	15,200	3,040	237.50	9
1,200	1,200	200	1	1,200	1,200	200	...	...	...	...	...	...	...	...	10
1,200	1,200	200	1	1,200	1,200	200	...	...	...	...	...	...	...	...	11
1,500	750	167	2	450	225	50	...	...	...	...	1	1,050	1,050	116.67	12
763,815	6,365	105	120	643,216	5,360	88	4	5,550	1,388	0.76	73	115,049	1,576	15.80	13
743,165	6,577	104	113	629,016	5,567	88	2	2,500	1,250	0.35	69	111,649	1,618	15.69	14
542,665	4,889	110	111	481,016	4,333	98	1	500	500	0.10	67	61,149	913	12.42	15
14,500	14,500	91	1	12,000	12,000	75	1	2,000	2,000	12.50	1	500	500	3.12	16
186,000	186,000	91	1	136,000	136,000	67	...	...	...	...	1	50,000	50,000	24.58	17
3,950	1,975	494	2	3,800	1,900	475	...	...	...	...	1	150	150	18.75	18
3,950	1,975	494	2	3,800	1,900	475	...	...	...	...	1	150	150	18.75	19
5,500	5,500	177	1	5,500	5,500	177	...	...	...	...	...	...	...	...	20
5,500	5,500	177	1	5,500	5,500	177	...	...	...	...	...	...	...	...	21
10,000	3,333	80	3	3,900	1,300	31	2	3,050	1,525	24.40	2	3,050	1,525	24.40	22
10,000	3,333	80	3	3,900	1,300	31	2	3,050	1,525	24.40	2	3,050	1,525	24.40	23
1,200	1,200	1,200	1	1,000	1,000	1,000	...	...	...	...	1	200	200	200.00	24
274,312	4,156	195	66	227,311	3,444	162	3	400	133	0.28	37	46,601	1,259	33.19	25
268,222	4,625	203	58	221,741	3,823	168	1	300	300	0.23	34	46,181	1,358	35.01	26
230,605	4,193	184	55	188,541	3,428	150	...	...	...	...	32	42,064	1,314	33.52	27
37,617	12,539	588	3	33,200	11,067	519	1	300	300	4.69	2	4,117	2,058	64.33	28
1,100	1,100	220	1	1,100	1,100	220	...	...	...	...	...	...	...	...	29
1,100	1,100	220	1	1,100	1,100	220	...	...	...	...	...	...	...	...	30
2,990	748	199	4	2,470	618	165	2	100	50	6.67	3	420	140	28.00	31
2,990	748	199	4	2,470	618	165	2	100	50	6.67	3	420	140	28.00	32
1,300	1,300	43	1	1,300	1,300	43	...	...	...	...	...	...	...	...	33
700	350	20	2	700	350	20	...	...	...	...	...	...	...	...	34
702,669	5,283	152	133	626,048	4,707	136	8	5,410	676	1.17	68	71,211	1,047	15.43	35
670,169	5,155	155	130	596,348	4,587	138	7	5,210	744	1.21	66	68,611	1,040	15.91	36
658,779	5,187	157	127	585,248	4,608	140	6	5,080	847	1.21	65	68,451	1,053	16.32	37
1,390	695	82	2	1,100	550	65	1	130	130	7.65	1	160	160	9.41	38
10,000	10,000	100	1	10,000	10,000	100	...	...	...	...	...	...	...	...	39
5,900	2,950	1,967	2	4,700	2,350	1,567	1	200	200	66.67	1	1,000	1,000	333.33	40
5,900	2,950	1,967	2	4,700	2,350	1,567	1	200	200	66.67	1	1,000	1,000	333.33	41
26,600	26,600	89	1	25,000	25,000	83	...	...	...	...	1	1,600	1,600	5.33	42
2,243,235	4,101	228	545	1,921,974	3,527	195	43	41,196	958	4.19	329	280,065	851	28.49	43
2,164,670	4,046	227	535	1,867,504	3,491	196	39	35,996	923	3.78	324	261,170	806	27.40	44
2,114,870	4,021	228	526	1,826,304	3,472	197	36	35,051	974	3.78	316	253,515	802	27.31	45
35,910	8,978	223	4	30,100	7,525	187	...	...	...	...	4	5,810	1,452	36.09	46
2,290	2,290	1,145	1	2,000	2,000	1,000	1	145	145	72.50	1	145	145	72.50	47
1,100	1,100	1,100	1	400	400	400	1	600	600	600.00	1	100	100	100.00	48
2,950	2,950	295	1	2,500	2,500	250	1	200	200	20.00	1	250	250	25.00	49
7,550	3,775	101	2	6,200	3,100	83	...	...	...	...	1	1,350	1,350	18.00	50
54,365	9,061	591	6	51,120	8,520	556	2	2,300	1,150	25.00	2	945	472	10.27	51
54,045	10,809	614	5	50,800	10,160	577	2	2,300	1,150	26.14	2	945	472	10.74	52
320	320	80	1	320	320	80	...	...	...	...	...	...	...	...	53
24,200	4,033	116	4	3,350	838	16	2	2,900	1,450	13.94	3	17,950	5,983	86.30	54

## IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

Data on cost of irrigation systems were reported only for farms										
Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955	
		1954		1955			Farms reporting	Number		
		Farms reporting	Acres	Farms reporting	Acres					
1 Minnesota.....	94	90	2,719	81	2,509	3,392	93	108	8	
2 Sprinkler and combinations of sprinkler with other methods.....	89	85	2,710	76	2,500	3,383	89	104	8	
3 Sprinkler only.....	88	84	2,709	75	2,499	3,382	88	103	8	
4 Sprinkler and fixed overhead pipe only.....	1	1	1	1	1	1	1	1	...	
5 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	3	3	6	3	6	6	3	3	...	
6 Fixed overhead pipe only.....	3	3	6	3	6	6	3	3	...	
7 Other methods.....	2	2	3	2	3	3	1	1	...	
8 Iowa.....	21	20	576	20	727	820	20	23	8	
9 Sprinkler and combinations of sprinkler with other methods.....	20	20	576	19	713	820	19	22	8	
10 Sprinkler only.....	19	19	569	18	689	796	18	20	7	
11 Sprinkler and flooding only.....	1	1	7	1	24	24	1	2	1	
12 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	...	...	1	14	...	1	1	...	
13 Fixed overhead pipe only.....	1	...	...	1	14	...	1	1	...	
14 Missouri.....	280	271	15,528	206	9,818	17,340	264	320	50	
15 Sprinkler and combinations of sprinkler with other methods.....	232	225	13,002	170	7,854	14,512	226	270	40	
16 Sprinkler only.....	223	216	12,536	161	7,321	13,903	218	256	39	
17 Sprinkler and fixed overhead pipe only.....	3	3	68	3	96	96	2	3	1	
18 Sprinkler and portable gated pipe only.....	1	1	9	1	58	58	1	3	...	
19 Sprinkler and ditch only.....	2	2	67	2	71	76	2	3	...	
20 Sprinkler and flooding only.....	3	3	322	3	308	379	3	5	...	
21 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	10	10	122	9	118	119	5	6	3	
22 Fixed overhead pipe only.....	9	9	119	8	115	116	4	5	2	
23 Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	3	1	3	3	1	1	1	
24 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	19	18	913	14	801	1,097	17	22	4	
25 Ditches only.....	10	9	187	8	195	260	8	10	3	
26 Ditches and flooding.....	8	8	725	5	605	835	8	11	...	
27 Combinations of ditches with other methods.....	1	1	1	1	1	2	1	1	1	
28 Flooding and combination of flooding with other methods.....	14	14	1,484	9	1,039	1,604	13	19	2	
29 Other methods.....	5	4	7	4	6	8	3	3	1	
30 Delaware.....	33	32	2,600	31	3,187	3,359	33	39	21	
31 Sprinkler and combinations of sprinkler with other methods.....	33	32	2,600	31	3,187	3,359	33	39	21	
32 Sprinkler only.....	32	31	2,420	30	2,977	3,149	32	37	20	
33 Sprinkler and portable gated pipe only.....	1	1	180	1	210	210	1	2	1	
34 Maryland.....	101	93	5,328	92	6,157	7,068	100	119	58	
35 Sprinkler and combinations of sprinkler with other methods.....	96	88	5,295	88	6,139	7,035	96	115	57	
36 Sprinkler only.....	95	87	4,695	87	5,339	6,235	95	106	56	
37 Sprinkler in combination with other methods.....	1	1	600	1	800	800	1	9	1	
38 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	6	1	6	6	1	1	...	
39 Fixed overhead pipe only.....	1	1	6	1	6	6	1	1	...	
40 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	1	13	...	...	13	1	1	1	
41 Ditches only.....	1	1	13	...	...	13	1	1	1	
42 Flooding and combination of flooding with other methods.....	1	1	10	1	10	10	...	...	...	
43 Other methods.....	2	2	4	2	2	4	2	2	...	
44 Virginia.....	297	284	11,793	255	9,042	13,219	294	325	192	
45 Sprinkler and combinations of sprinkler with other methods.....	285	272	11,554	245	8,753	12,845	284	311	185	
46 Sprinkler only.....	281	268	11,504	241	8,625	12,702	280	304	181	
47 Sprinkler and fixed overhead pipe only.....	4	4	50	4	128	143	4	7	4	
48 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	5	5	18	5	17	20	5	7	3	
49 Fixed overhead pipe only.....	5	5	18	5	17	20	5	7	3	
50 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	4	4	11	3	7	9	2	2	1	
51 Ditches only.....	4	4	11	3	7	9	2	2	1	
52 Flooding and combination of flooding with other methods.....	1	1	65	...	...	65	1	1	1	
53 Other methods.....	2	2	145	2	265	280	2	4	2	

# IRRIGATION IN HUMID AREAS

53

## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text.]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
520,844	5,541	192	94	454,455	4,835	167	6	5,533	922	2.03	44	60,856	1,383	22.38	1
517,717	5,817	191	89	451,663	5,075	167	6	5,533	922	2.04	40	60,521	1,513	22.33	2
517,417	5,880	191	88	451,363	5,129	167	6	5,533	922	2.04	40	60,521	1,513	22.34	3
300	300	300	1	300	300	300	...	...	...	...	...	...	...	...	4
2,237	746	373	3	1,942	647	324	...	...	...	...	3	295	98	49.17	5
2,237	746	373	3	1,942	647	324	...	...	...	...	3	295	98	49.17	6
890	445	297	2	850	425	283	...	...	...	...	1	40	40	13.33	7
83,107	3,957	144	21	71,047	3,383	123	2	790	395	1.37	12	11,270	939	19.57	8
70,387	3,519	122	20	60,087	3,004	104	2	790	395	1.37	11	9,510	865	16.51	9
66,467	3,499	117	19	58,587	3,084	103	1	90	90	0.16	10	7,810	781	13.73	10
3,900	3,900	557	1	1,500	1,500	214	1	700	700	100.00	1	1,700	1,700	242.66	11
12,720	12,720	...	1	10,960	10,960	...	...	...	...	...	1	1,760	1,760	...	12
12,720	12,720	...	1	10,960	10,960	...	...	...	...	...	1	1,760	1,760	...	13
1,318,692	4,710	85	278	1,105,366	3,976	71	39	35,111	900	2.26	98	178,215	1,819	11.48	14
1,174,283	5,062	90	232	1,000,486	4,312	77	16	17,540	1,096	1.35	77	156,257	2,029	12.02	15
1,118,173	5,014	89	223	957,736	4,295	76	10	15,030	1,503	1.20	71	145,407	2,048	11.60	16
18,400	6,133	271	3	14,500	4,833	213	1	600	600	8.82	2	3,300	1,650	48.53	17
16,000	16,000	1,778	1	13,000	13,000	1,444	1	100	100	11.11	1	2,900	2,900	322.22	18
5,110	2,555	76	2	5,000	2,500	75	2	110	55	1.64	...	...	...	...	19
16,600	5,533	52	3	10,250	3,417	32	2	1,700	850	5.28	3	4,650	1,550	14.44	20
47,900	4,790	393	10	39,500	3,950	324	3	850	283	6.97	4	7,550	1,888	61.89	21
47,200	5,244	397	9	39,250	4,361	330	2	800	400	6.72	3	7,150	2,383	60.08	22
700	700	233	1	250	250	83	1	50	50	16.67	1	400	400	133.33	23
31,969	1,683	35	18	19,515	1,084	21	12	6,851	571	7.50	8	5,603	700	6.14	24
13,429	1,343	72	9	7,685	876	42	6	2,366	394	12.65	4	3,178	794	16.99	25
18,175	2,272	25	8	11,555	1,444	16	5	4,470	894	6.17	3	2,150	717	2.97	26
365	365	365	1	75	75	75	1	15	15	15.00	1	275	275	275.00	27
57,300	4,093	39	14	41,515	2,965	28	7	7,370	1,053	4.97	7	8,415	1,202	5.67	28
7,240	1,448	1,034	4	4,350	1,088	621	1	2,500	2,500	357.14	2	390	195	55.71	29
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	30
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	31
337,853	10,558	140	32	282,067	8,815	117	3	2,500	833	1.03	23	53,286	2,317	22.02	32
19,000	19,000	106	1	16,500	16,500	92	...	...	...	...	1	2,500	2,500	13.89	33
687,578	6,808	129	100	534,795	5,348	100	9	8,025	892	1.51	66	144,758	2,193	27.17	34
675,478	7,036	128	96	525,695	5,476	99	8	7,425	928	1.40	63	142,358	2,260	26.89	35
559,227	5,887	119	95	472,444	4,973	101	8	7,425	928	1.58	62	79,358	1,280	16.90	36
116,251	116,251	194	1	53,251	53,251	89	...	...	...	...	1	63,000	6,300	105.00	37
6,500	6,500	1,083	1	5,000	5,000	833	...	...	...	...	1	1,500	1,500	250.00	38
6,500	6,500	1,083	1	5,000	5,000	833	...	...	...	...	1	1,500	1,500	250.00	39
4,900	4,900	377	1	3,600	3,600	277	1	600	600	46.15	1	700	700	53.85	40
4,900	4,900	377	1	3,600	3,600	277	1	600	600	46.15	1	700	700	53.85	41
200	200	20	...	...	...	...	...	...	...	...	1	200	200	20.00	42
500	250	125	2	500	250	125	...	...	...	...	...	...	...	...	43
1,812,422	6,102	154	296	1,337,113	4,517	113	19	21,420	1,127	1.82	202	453,889	2,247	38.49	44
1,776,982	6,235	154	285	1,315,083	4,614	114	15	19,680	1,312	1.70	194	442,219	2,279	38.27	45
1,741,292	6,197	151	281	1,292,983	4,601	112	15	19,680	1,312	1.71	190	428,629	2,256	37.26	46
35,690	8,922	714	4	22,100	5,525	442	...	...	...	...	4	13,590	3,398	271.80	47
9,350	1,870	519	5	7,500	1,500	417	...	...	...	...	4	1,850	462	102.78	48
9,350	1,870	519	5	7,500	1,500	417	...	...	...	...	4	1,850	462	102.78	49
350	88	32	3	290	97	26	2	40	20	3.64	1	20	20	1.82	50
350	88	32	3	290	97	26	2	40	20	3.64	1	20	20	1.82	51
1,600	1,600	25	1	200	200	3	1	700	700	10.77	1	700	700	10.77	52
24,140	12,070	166	2	14,040	7,020	97	1	1,000	1,000	6.90	2	9,100	4,550	62.76	53

## IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

[Data on cost of irrigation systems were reported only for farms]										
Method of applying water (see text)		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	West Virginia.....	16	16	736	15	671	777	15	17	5
2	Sprinkler and combinations of sprinkler with other methods.....	14	14	728	13	663	769	14	16	4
3	Sprinkler only.....	14	14	728	13	663	769	14	16	4
4	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	5	1	5	5	1	1	...
5	Fixed overhead pipe only.....	1	1	5	1	5	5	1	1	...
6	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	1	1	3	1	3	3	...	...	1
7	Ditches only.....	1	1	3	1	3	3	...	...	1
8	North Carolina.....	799	781	15,391	672	12,123	17,920	793	882	588
9	Sprinkler and combinations of sprinkler with other methods.....	778	762	15,234	660	11,983	17,709	776	862	582
10	Sprinkler only.....	760	744	14,427	646	11,382	16,850	758	832	568
11	Sprinkler and fixed overhead pipe only.....	7	7	55	5	44	60	7	8	5
12	Sprinkler and portable gated pipe only.....	6	6	347	4	130	317	6	7	4
13	Sprinkler and ditch only.....	4	4	385	4	417	432	4	12	4
14	Sprinkler in combination with other methods.....	1	1	20	1	10	50	1	3	1
15	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	7	6	38	6	63	84	6	9	4
16	Fixed overhead pipe only.....	7	6	38	6	63	84	6	9	4
17	Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	5	1	1	5	1	1	...
18	Portable gated pipe only.....	1	1	5	1	1	5	1	1	...
19	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	5	4	25	2	17	25	2	2	...
20	Ditches only.....	4	3	13	1	5	13	1	1	...
21	Ditches and flooding.....	1	1	12	1	12	12	1	1	...
22	Flooding and combination of flooding with other methods.....	3	3	13	...	...	16	3	3	1
23	Other methods.....	4	4	58	3	59	63	4	4	1
24	Method not reported.....	1	1	18	...	...	18	1	1	...
25	South Carolina.....	234	223	10,180	183	6,956	11,848	229	279	187
26	Sprinkler and combinations of sprinkler with other methods.....	219	208	9,316	170	6,388	10,858	218	264	176
27	Sprinkler only.....	215	204	9,283	167	6,374	10,824	214	258	172
28	Sprinkler and fixed overhead pipe only.....	1	1	8	1	8	8	1	2	1
29	Sprinkler and ditch only.....	2	2	22	1	2	22	2	2	2
30	Sprinkler in combination with other methods.....	1	1	3	1	4	4	1	2	1
31	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	4	4	84	4	89	94	4	5	3
32	Fixed overhead pipe only.....	4	4	84	4	89	94	4	5	3
33	Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	2	2	124	2	111	140	2	4	1
34	Portable gated pipe only.....	2	2	124	2	111	140	2	4	1
35	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	6	6	433	5	262	533	3	4	4
36	Ditches and flooding.....	6	6	433	5	262	533	3	4	4
37	Flooding and combination of flooding with other methods.....	1	1	100	...	...	100	...	...	1
38	Other methods.....	2	2	123	2	106	123	2	2	2
39	Georgia.....	408	381	12,679	370	12,907	16,197	402	478	320
40	Sprinkler and combinations of sprinkler with other methods.....	387	362	12,544	353	12,765	16,027	387	461	311
41	Sprinkler only.....	376	353	12,206	343	12,370	15,592	376	440	301
42	Sprinkler and fixed overhead pipe only.....	5	4	109	4	125	142	5	13	4
43	Sprinkler and ditch only.....	6	5	229	6	270	293	6	8	6
44	Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	6	5	62	6	78	84	5	7	2
45	Fixed overhead pipe only.....	5	4	61	5	76	82	5	7	2
46	Combinations of fixed overhead pipe and other methods (except sprinkler).....	1	1	1	1	2	2	...	...	...
47	Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	10	9	58	7	51	71	6	6	5
48	Ditches only.....	7	6	28	5	25	40	4	4	3
49	Ditches and flooding.....	3	3	30	2	26	31	2	2	2
50	Flooding and combination of flooding with other methods.....	4	4	13	4	13	13	3	3	2
51	Other methods.....	1	1	2	...	...	2	1	1	...

# IRRIGATION IN HUMID AREAS

55

## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
89,590	5,599	122	16	67,490	4,218	92	1	200	200	0.27	5	21,900	4,380	29.76	1
86,490	6,178	119	14	64,990	4,642	89	...	...	...	...	4	21,500	5,375	29.53	2
86,490	6,178	119	14	64,990	4,642	89	...	...	...	...	4	21,500	5,375	29.53	3
2,000	2,000	400	1	2,000	2,000	400	...	...	...	...	...	...	...	...	4
2,000	2,000	400	1	2,000	2,000	400	...	...	...	...	...	...	...	...	5
1,100	1,100	367	1	500	500	167	1	200	200	66.67	1	400	400	133.33	6
1,100	1,100	367	1	500	500	167	1	200	200	66.67	1	400	400	133.33	7
3,988,395	4,992	259	796	2,832,441	3,558	184	59	37,676	639	2.45	613	1,118,278	1,824	72.66	8
3,917,540	5,035	257	778	2,767,606	3,557	182	52	35,936	691	2.36	606	1,113,998	1,838	73.13	9
3,783,988	4,979	262	760	2,674,346	3,519	185	47	30,156	642	2.09	590	1,079,486	1,830	74.82	10
26,750	3,821	486	7	17,020	2,431	309	1	680	680	12.36	7	9,050	1,293	164.55	11
47,302	7,884	136	6	31,740	5,290	91	...	...	...	...	4	15,562	3,890	44.85	12
56,400	14,100	146	4	41,500	10,375	108	4	5,100	1,275	13.25	4	9,800	2,450	25.45	13
3,100	3,100	155	1	3,000	3,000	150	...	...	...	...	1	100	100	5.00	14
47,875	6,839	1,260	7	44,250	6,321	1,164	2	575	288	15.13	4	3,050	762	80.26	15
47,875	6,839	1,260	7	44,250	6,321	1,164	2	575	288	15.13	4	3,050	762	80.26	16
200	200	40	1	200	200	40	...	...	...	...	...	...	...	...	17
200	200	40	1	200	200	40	...	...	...	...	...	...	...	...	18
845	169	34	2	770	385	31	4	65	16	2.60	1	10	10	0.40	19
65	16	5	1	20	20	2	3	35	12	2.69	1	10	10	0.77	20
780	780	65	1	750	750	62	1	30	30	2.50	...	...	...	...	21
670	223	52	3	650	217	50	...	...	...	...	1	20	20	1.54	22
14,065	3,516	242	4	11,765	2,941	203	1	1,100	1,100	18.97	1	1,200	1,200	20.69	23
7,200	7,200	400	1	7,200	7,200	400	...	...	...	...	...	...	...	...	24
1,576,599	6,738	155	232	1,059,966	4,569	104	29	34,167	1,178	3.36	194	482,466	2,487	47.39	25
1,494,929	6,826	160	219	1,017,896	4,648	109	22	20,137	915	2.16	182	456,896	2,510	49.04	26
1,482,104	6,894	160	215	1,009,971	4,698	109	19	19,837	1,044	2.14	178	452,296	2,541	48.72	27
6,200	6,200	775	1	5,000	5,000	625	...	...	...	...	1	1,200	1,200	150.00	28
3,575	1,788	162	2	2,125	1,062	97	2	250	125	11.36	2	1,200	600	54.55	29
3,050	3,050	1,017	1	800	800	267	1	50	50	16.67	1	2,200	2,200	733.33	30
24,250	6,062	289	4	16,100	4,025	192	2	900	450	10.71	4	7,250	1,812	86.31	31
24,250	6,062	289	4	16,100	4,025	192	2	900	450	10.71	4	7,250	1,812	86.31	32
24,100	12,050	194	2	11,000	5,500	89	2	7,100	3,550	57.26	1	6,000	6,000	48.39	33
24,100	12,050	194	2	11,000	5,500	89	2	7,100	3,550	57.26	1	6,000	6,000	48.39	34
12,570	2,095	29	5	3,920	784	9	2	5,030	2,515	11.62	4	3,620	905	8.36	35
12,570	2,095	29	5	3,920	784	9	2	5,030	2,515	11.62	4	3,620	905	8.36	36
6,000	6,000	60	...	...	...	...	1	1,000	1,000	10.00	1	5,000	5,000	50.00	37
14,750	7,375	120	2	11,050	5,525	90	...	...	...	...	2	3,700	1,850	30.08	38
2,944,255	7,216	232	403	1,970,929	4,891	155	36	32,001	889	2.52	339	941,325	2,777	74.24	39
2,857,660	7,384	228	386	1,910,019	4,948	152	26	26,926	1,036	2.15	325	920,715	2,833	73.40	40
2,755,681	7,329	226	375	1,845,625	4,922	151	19	20,251	1,066	1.66	315	889,805	2,825	72.90	41
57,400	11,480	527	5	43,500	8,700	399	1	1,200	1,200	11.01	4	12,700	3,175	116.51	42
44,579	7,430	195	6	20,894	3,482	91	6	5,475	912	23.91	6	18,210	3,035	79.52	43
75,385	12,564	1,216	6	55,800	9,300	900	2	4,500	2,250	72.58	5	15,085	3,017	243.31	44
74,585	14,917	1,223	5	55,000	11,000	902	2	4,500	2,250	73.77	5	15,085	3,017	247.30	45
800	800	800	1	800	800	800	...	...	...	...	...	...	...	...	46
7,200	720	124	7	3,250	464	56	7	500	71	8.62	5	3,450	690	59.48	47
3,325	475	119	5	2,050	410	73	4	125	31	4.46	3	1,150	383	41.07	48
3,875	1,292	129	2	1,200	600	40	3	375	125	12.50	2	2,300	1,150	76.67	49
3,010	752	232	3	1,360	453	105	1	75	75	5.77	3	1,575	525	121.15	50
1,000	1,000	500	1	500	500	250	...	...	...	...	1	500	500	250.00	51

## IRRIGATION IN HUMID AREAS

Table 8.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms]

[Data on cost of irrigation systems were reported only for farms]										
Method of applying water (see text)	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955	
		1954		1955			Farms reporting	Number		
		Farms reporting	Acres	Farms reporting	Acres					
1 Kentucky.....	376	366	8,341	246	4,221	9,443	371	399	122	
2 Sprinkler and combinations of sprinkler with other methods.....	364	355	8,290	236	4,164	9,386	359	384	118	
3 Sprinkler only.....	360	351	8,188	234	4,138	9,264	355	380	116	
4 Sprinkler and fixed overhead pipe only.....	3	3	64	1	12	84	3	3	1	
5 Sprinkler and portable gated pipe only.....	1	1	38	1	14	38	1	1	1	
6 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	3	3	15	3	18	18	3	5	2	
7 Fixed overhead pipe only.....	3	3	15	3	18	18	3	5	2	
8 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	4	4	29	3	28	27	4	5	1	
9 Portable gated pipe only.....	3	3	23	2	20	22	3	3	1	
10 Portable gated pipe and ditches.....	1	1	6	1	8	5	1	2	...	
11 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	2	2	2	1	1	2	2	2	1	
12 Ditches only.....	2	2	2	1	1	2	2	2	1	
13 Flooding and combination of flooding with other methods.....	1	1	3	1	3	3	1	1	...	
14 Other methods.....	1	1	2	1	2	2	1	1	...	
15 Method not reported.....	1	...	...	1	5	5	1	1	...	
16 Tennessee.....	366	342	12,044	294	8,605	14,415	360	393	97	
17 Sprinkler and combinations of sprinkler with other methods.....	343	321	11,696	283	8,300	13,878	339	369	95	
18 Sprinkler only.....	337	316	10,896	278	7,685	13,022	333	357	92	
19 Sprinkler and fixed overhead pipe only.....	2	1	184	1	220	240	2	4	2	
20 Sprinkler and portable gated pipe only.....	3	3	416	3	195	416	3	6	...	
21 Sprinkler in combination with other methods.....	1	1	200	1	200	200	1	2	1	
22 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	4	2	127	4	291	312	4	4	...	
23 Fixed overhead pipe only.....	4	2	127	4	291	312	4	4	...	
24 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	1	1	3	...	...	3	1	1	...	
25 Portable gated pipe only.....	1	1	3	...	...	3	1	1	...	
26 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	15	15	212	6	13	216	14	16	2	
27 Ditches only.....	15	15	212	6	13	216	14	16	2	
28 Flooding and combination of flooding with other methods.....	1	1	3	...	...	3	1	1	...	
29 Other methods.....	2	2	3	1	1	3	1	2	...	
30 Alabama.....	156	151	7,839	129	6,410	9,884	155	197	61	
31 Sprinkler and combinations of sprinkler with other methods.....	141	136	7,659	121	6,320	9,695	141	179	56	
32 Sprinkler only.....	129	124	7,230	109	5,552	8,915	129	160	49	
33 Sprinkler and fixed overhead pipe only.....	4	4	57	4	55	67	4	7	2	
34 Sprinkler and portable gated pipe only.....	3	3	229	3	455	455	3	5	3	
35 Sprinkler and ditch only.....	2	2	85	2	170	170	2	4	...	
36 Sprinkler and flooding only.....	2	2	44	2	74	74	2	2	2	
37 Sprinkler in combination with other methods.....	1	1	14	1	14	14	1	1	...	
38 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	3	3	28	3	41	41	3	3	...	
39 Fixed overhead pipe only.....	3	3	28	3	41	41	3	3	...	
40 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	9	9	136	4	47	132	8	11	5	
41 Ditches only.....	6	6	61	2	6	57	5	6	3	
42 Ditches and flooding.....	3	3	75	2	41	75	3	5	2	
43 Flooding and combination of flooding with other methods.....	1	1	10	...	...	10	1	1	...	
44 Other methods.....	2	2	6	1	2	6	2	3	...	
45 Mississippi.....	374	366	55,871	279	44,993	65,596	360	675	114	
46 Sprinkler and combinations of sprinkler with other methods.....	163	158	22,004	126	19,328	27,493	163	329	62	
47 Sprinkler only.....	103	100	7,518	74	5,847	9,579	103	144	44	
48 Sprinkler and fixed overhead pipe only.....	2	1	12	1	14	39	2	3	1	
49 Sprinkler and portable gated pipe only.....	25	25	4,165	24	4,495	5,309	25	59	8	
50 Sprinkler and ditch only.....	17	16	6,047	13	5,078	6,941	17	74	6	
51 Sprinkler and flooding only.....	16	16	4,262	14	3,894	5,625	16	49	3	
52 Fixed overhead pipe and combinations of fixed overhead pipe with other methods (except sprinkler).....	1	1	40	1	120	120	1	3	...	
53 Fixed overhead pipe only.....	1	1	40	1	120	120	1	3	...	
54 Portable gated pipe and combinations of portable gated pipe with other methods (except sprinkler and fixed overhead pipe).....	43	41	8,016	35	6,706	9,795	43	90	15	
55 Portable gated pipe only.....	17	16	1,600	11	768	1,775	17	23	3	
56 Portable gated pipe and ditches.....	15	15	3,276	13	2,741	3,955	15	36	6	
57 Portable gated pipe and flooding.....	11	10	3,140	11	3,197	4,065	11	31	6	
58 Ditches and combinations of ditches with other methods (except sprinkler, fixed overhead pipe, and portable gated pipe).....	102	101	13,491	67	10,277	14,807	89	147	31	
59 Ditches only.....	70	69	5,248	41	3,988	6,055	58	73	24	
60 Ditches and flooding.....	32	32	8,243	26	6,289	8,752	31	74	7	
61 Flooding and combination of flooding with other methods.....	62	62	12,307	48	8,522	13,339	61	102	6	
62 Other methods.....	3	3	13	2	40	42	3	4	...	

# IRRIGATION IN HUMID AREAS

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FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY METHOD OF APPLYING WATER, BY STATES: 1955—Continued  
reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
1,376,536	3,661	165	376	1,155,730	3,074	139	7	1,574	225	0.19	145	219,232	1,512	26.28	1
1,352,993	3,717	163	364	1,134,587	3,117	137	7	1,574	225	0.19	141	216,832	1,538	26.16	2
1,338,493	3,718	163	360	1,124,187	3,123	137	5	974	195	0.12	139	213,332	1,535	26.05	3
9,000	3,000	141	3	7,900	2,633	123	2	600	300	9.38	1	500	500	7.81	4
5,500	5,500	145	1	2,500	2,500	66	...	...	...	...	1	3,000	3,000	78.95	5
14,000	4,667	933	3	13,400	4,467	893	...	...	...	...	2	600	300	40.00	6
14,000	4,667	933	3	13,400	4,467	893	...	...	...	...	2	600	300	40.00	7
6,801	1,700	235	4	5,201	1,300	179	...	...	...	...	1	1,600	1,600	55.17	8
5,301	1,767	230	3	3,701	1,234	161	...	...	...	...	1	1,600	1,600	69.57	9
1,500	1,500	250	1	1,500	1,500	250	...	...	...	...	...	...	...	...	10
850	425	425	2	650	325	325	...	...	...	...	1	200	200	100.00	11
850	425	425	2	650	325	325	...	...	...	...	1	200	200	100.00	12
250	250	83	1	250	250	83	...	...	...	...	...	...	...	...	13
300	300	150	1	300	300	150	...	...	...	...	...	...	...	...	14
1,342	1,342	...	1	1,342	1,342	...	...	...	...	...	...	...	...	...	15
1,481,815	4,049	123	366	1,277,314	3,490	106	13	10,755	827	0.89	105	193,746	1,845	16.09	16
1,452,668	4,235	124	343	1,250,597	3,646	107	7	10,125	1,446	0.87	101	191,946	1,900	16.41	17
1,360,878	4,038	125	337	1,196,957	3,552	110	4	5,425	1,356	0.50	96	158,496	1,651	14.55	18
19,290	9,645	105	2	14,640	7,320	80	1	4,000	4,000	21.74	2	650	325	3.53	19
42,500	14,167	102	3	19,000	6,333	46	2	700	350	1.68	2	22,800	11,400	54.81	20
30,000	30,000	150	1	20,000	20,000	100	...	...	...	...	1	10,000	10,000	50.00	21
19,807	4,952	156	4	19,807	4,952	156	...	...	...	...	...	...	...	...	22
19,807	4,952	156	4	19,807	4,952	156	...	...	...	...	...	...	...	...	23
100	100	33	1	100	100	33	...	...	...	...	...	...	...	...	24
100	100	33	1	100	100	33	...	...	...	...	...	...	...	...	25
7,890	526	37	15	5,460	364	26	6	630	105	2.97	4	1,800	450	8.49	26
7,890	526	37	15	5,460	364	26	6	630	105	2.97	4	1,800	450	8.49	27
350	350	117	1	350	350	117	...	...	...	...	...	...	...	...	28
1,000	500	333	2	1,000	500	333	...	...	...	...	...	...	...	...	29
1,132,779	7,261	145	155	969,877	6,257	124	23	6,752	294	0.86	77	156,150	2,028	19.92	30
989,491	7,018	129	141	844,955	5,993	110	16	4,770	298	0.62	67	139,766	2,086	18.25	31
896,591	6,950	124	129	768,755	5,959	106	11	3,720	338	0.51	58	124,116	2,140	17.17	32
46,950	11,738	824	4	39,850	9,962	699	1	150	150	2.63	3	6,950	2,317	121.93	33
28,400	9,467	124	3	23,500	7,833	103	...	...	...	...	3	4,900	1,633	21.40	34
4,950	2,475	58	2	4,250	2,125	50	2	700	350	8.24	...	...	...	...	35
5,100	2,550	116	2	3,600	1,800	82	2	200	100	4.55	2	1,300	650	29.55	36
7,500	7,500	536	1	5,000	5,000	357	...	...	...	...	1	2,500	2,500	178.57	37
129,641	43,214	4,630	3	115,447	38,482	4,123	1	100	100	3.57	3	14,094	4,698	503.36	38
129,641	43,214	4,630	3	115,447	38,482	4,123	1	100	100	3.57	3	14,094	4,698	503.36	39
12,127	1,347	89	8	8,115	1,014	60	6	1,882	314	13.84	6	2,130	355	15.66	40
4,462	744	73	5	3,600	720	59	4	282	70	4.62	4	580	145	9.51	41
7,665	2,555	102	5	4,515	1,505	60	2	1,600	800	21.33	2	1,550	775	20.67	42
500	500	50	1	500	500	50	...	...	...	...	...	...	...	...	43
1,020	510	170	2	860	430	143	...	...	...	...	1	160	160	26.67	44
3,550,909	9,494	64	365	2,185,188	5,987	39	209	442,677	2,118	7.92	225	923,044	4,102	16.52	45
1,846,959	11,331	84	163	1,303,239	7,995	59	54	156,642	2,901	7.12	97	387,078	3,990	17.59	46
811,792	7,881	108	103	645,519	6,267	86	11	6,355	578	0.85	60	159,918	2,665	21.27	47
11,500	5,750	958	2	9,000	4,500	750	...	...	...	...	1	2,500	2,500	208.33	48
346,680	13,867	83	25	288,820	11,553	69	10	19,700	1,970	4.73	13	38,160	2,935	9.16	49
334,250	19,662	55	17	141,800	8,341	23	17	62,600	3,682	10.35	11	129,850	11,805	21.47	50
342,737	21,421	80	16	218,100	13,631	51	16	67,987	4,249	15.95	12	56,650	4,721	13.29	51
22,200	22,200	555	1	17,000	17,000	425	1	200	200	5.00	1	5,000	5,000	125.00	52
22,200	22,200	555	1	17,000	17,000	425	1	200	200	5.00	1	5,000	5,000	125.00	53
435,098	10,119	54	43	206,770	4,809	26	34	81,161	2,387	10.12	31	147,167	4,747	18.36	54
96,075	5,769	61	17	61,075	3,593	38	8	7,525	941	4.70	8	29,475	3,684	18.42	55
181,699	12,113	55	15	85,775	5,718	26	15	34,199	2,280	10.44	14	61,725	4,409	18.84	56
155,324	14,120	49	11	59,920	5,447	19	11	39,437	3,585	12.56	9	55,967	6,219	17.82	57
777,174	7,619	58	93	405,148	4,356	30	73	127,968	1,753	9.49	63	244,058	3,874	18.09	58
313,279	4,475	60	62	150,884	2,434	29	49	46,623	951	8.88	40	115,772	2,894	22.06	59
463,895	14,497	56	31	254,264	8,202	31	24	81,345	3,389	9.87	23	128,286	5,578	15.56	60
463,728	7,479	38	62	249,731	4,028	20	46	76,656	1,666	6.23	31	137,341	4,430	11.16	61
5,750	1,917	442	3	3,300	1,100	254	1	50	50	3.85	2	2,400	1,200	184.62	62

## IRRIGATION IN HUMID AREAS

Table 9.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY ACRES IRRIGATED IN 1954, BY STATES: 1955

State and acres irrigated in 1954	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Total, 28 States.....	14,541	13,664	545,671	11,997	487,495	646,247	13,662	17,588	6,140
1 to 9 acres.....	5,186	5,186	21,873	4,013	23,289	31,639	4,593	5,127	1,980
10 to 19 acres.....	2,520	2,520	33,306	2,129	34,517	44,051	2,396	2,792	1,187
20 to 29 acres.....	1,545	1,545	35,554	1,328	34,675	44,640	1,508	1,814	733
30 to 49 acres.....	1,563	1,563	57,469	1,331	50,653	67,646	1,542	1,911	692
50 to 99 acres.....	1,564	1,564	103,967	1,381	91,190	116,384	1,549	2,195	690
100 to 199 acres.....	792	792	104,372	677	84,894	115,301	783	1,279	324
200 to 499 acres.....	392	392	110,215	349	87,221	119,731	389	918	160
500 to 999 acres.....	83	83	51,165	77	36,735	52,205	80	331	30
1,000 acres and over.....	19	19	27,750	18	23,299	31,507	18	202	6
Not reported.....	877	...	...	694	21,022	23,143	804	1,019	338
Maine.....	60	33	428	50	1,054	830	50	67	37
1 to 9 acres.....	21	21	85	21	169	133	21	24	15
10 to 19 acres.....	6	6	75	5	82	69	6	9	5
20 to 29 acres.....	3	3	67	3	56	67	3	3	3
30 to 49 acres.....	1	1	30	1	100	100	1	1	1
50 to 99 acres.....	2	2	171	1	75	...	2	4	2
Not reported.....	27	...	...	19	572	461	17	26	11
New Hampshire.....	52	48	710	50	956	1,008	39	42	19
1 to 9 acres.....	21	21	78	20	95	113	15	15	6
10 to 19 acres.....	16	16	242	15	318	340	12	12	5
20 to 29 acres.....	5	5	108	5	128	127	4	5	3
30 to 49 acres.....	4	4	138	4	167	159	3	3	1
50 to 99 acres.....	2	2	144	2	164	185	2	4	2
Not reported.....	4	...	...	4	84	84	3	3	2
Vermont.....	20	17	299	18	321	438	17	19	5
1 to 9 acres.....	6	6	19	6	20	23	5	5	3
10 to 19 acres.....	6	6	80	6	130	144	6	6	2
20 to 29 acres.....	2	2	50	2	26	50	2	2	...
30 to 49 acres.....	2	2	80	1	41	80	2	2	...
50 to 99 acres.....	1	1	70	1	80	80	1	3	...
Not reported.....	3	...	...	2	24	61	1	1	...
Massachusetts.....	478	438	9,627	442	9,895	12,031	357	464	188
1 to 9 acres.....	194	194	857	183	1,037	1,329	119	139	63
10 to 19 acres.....	122	122	1,587	113	1,869	2,257	97	115	50
20 to 29 acres.....	46	46	1,071	43	1,003	1,136	37	47	21
30 to 49 acres.....	38	38	1,434	38	1,495	1,609	36	52	18
50 to 99 acres.....	21	21	1,382	20	1,318	1,724	20	38	9
100 to 199 acres.....	12	12	1,509	11	1,349	1,513	11	22	6
200 to 499 acres.....	4	4	1,267	3	982	1,218	4	10	3
500 to 999 acres.....	1	1	520	1	250	500	1	3	1
Not reported.....	40	...	...	30	592	745	32	38	17
Rhode Island.....	36	36	968	30	683	1,204	31	38	15
1 to 9 acres.....	17	17	57	14	44	72	13	15	4
10 to 19 acres.....	6	6	87	6	81	96	5	7	4
20 to 29 acres.....	4	4	99	3	81	110	4	4	2
30 to 49 acres.....	4	4	140	3	57	201	4	4	4
50 to 99 acres.....	2	2	160	2	170	180	2	3	1
100 to 199 acres.....	2	2	200	1	100	320	2	2	...
200 to 499 acres.....	1	1	225	1	150	225	1	3	...
Connecticut.....	328	301	12,397	309	13,056	14,579	311	434	188
1 to 9 acres.....	81	81	339	75	403	476	70	74	34
10 to 19 acres.....	62	62	855	59	840	1,102	59	68	36
20 to 29 acres.....	53	53	1,214	51	1,169	1,383	53	58	37
30 to 49 acres.....	45	45	1,703	45	1,805	1,896	45	58	26
50 to 99 acres.....	36	36	2,385	36	2,621	2,683	36	53	21
100 to 199 acres.....	17	17	2,186	16	1,937	2,369	17	34	15
200 to 499 acres.....	3	3	1,135	3	1,415	1,455	3	19	3
500 to 999 acres.....	4	4	2,580	4	2,414	2,689	4	42	4
Not reported.....	27	...	...	20	452	526	24	28	12
New York.....	1,284	1,191	52,467	1,231	58,474	62,474	1,133	1,533	334
1 to 9 acres.....	329	329	1,199	308	1,591	1,975	242	283	71
10 to 19 acres.....	155	155	2,058	145	2,466	2,655	129	155	51
20 to 29 acres.....	119	119	2,771	115	3,421	3,806	112	134	48
30 to 49 acres.....	189	189	7,221	183	7,338	7,975	183	222	45
50 to 99 acres.....	261	261	17,768	256	17,993	19,495	254	386	60
100 to 199 acres.....	111	111	14,179	111	15,040	15,529	110	191	22
200 to 499 acres.....	26	26	6,771	25	7,453	7,769	26	60	11
500 to 999 acres.....	1	1	500	1	600	600	1	8	1
Not reported.....	93	...	...	87	2,572	2,670	76	94	25

# IRRIGATION IN HUMID AREAS

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Table 9.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY ACRES IRRIGATED IN 1954,  
BY STATES: 1955—Continued

State and acres irrigated in 1954	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
New Jersey.....	1,428	1,312	50,855	1,353	57,923	60,830	1,336	1,910	576
1 to 9 acres.....	379	379	1,685	352	2,083	2,395	318	376	90
10 to 19 acres.....	235	235	3,191	224	3,776	4,030	221	279	69
20 to 29 acres.....	167	167	3,846	160	4,267	4,594	161	213	58
30 to 49 acres.....	192	192	7,072	186	8,247	8,450	188	253	110
50 to 99 acres.....	231	231	15,641	224	16,397	16,818	228	348	137
100 to 199 acres.....	87	87	10,873	86	11,131	11,188	87	175	59
200 to 499 acres.....	18	18	4,816	15	4,265	5,147	18	67	10
500 to 999 acres.....	1	1	500	1	500	500	1	18	1
1,000 acres and over.....	2	2	3,231	2	4,239	4,239	2	30	1
Not reported.....	116	...	...	103	3,018	3,469	112	151	41
Pennsylvania.....	669	644	16,792	569	17,524	21,567	629	754	296
1 to 9 acres.....	272	272	1,119	215	1,192	1,678	242	285	113
10 to 19 acres.....	132	132	1,778	109	1,864	2,384	126	143	58
20 to 29 acres.....	71	71	1,620	66	1,707	2,036	70	81	27
30 to 49 acres.....	83	83	3,020	77	2,961	3,585	83	94	43
50 to 99 acres.....	63	63	3,991	59	3,461	4,401	63	79	35
100 to 199 acres.....	15	15	2,005	14	1,943	2,288	15	29	9
200 to 499 acres.....	7	7	1,767	7	2,353	2,468	7	13	6
500 to 999 acres.....	1	1	1,492	1	1,815	2,500	1	5	...
1,000 acres and over.....	25	...	...	21	228	227	22	25	5
Not reported.....	...	...	...	...	...	...	...	...	...
Ohio.....	648	616	13,786	575	12,622	16,132	575	746	229
1 to 9 acres.....	308	308	1,233	276	1,385	1,723	248	315	93
10 to 19 acres.....	106	106	1,374	95	1,233	1,618	100	118	37
20 to 29 acres.....	61	61	1,382	53	1,174	1,693	61	74	26
30 to 49 acres.....	60	60	2,191	56	2,007	2,495	60	80	28
50 to 99 acres.....	59	59	3,944	52	3,362	4,509	57	85	26
100 to 199 acres.....	15	15	1,847	15	1,642	1,824	15	20	7
200 to 499 acres.....	7	7	1,815	6	1,558	1,988	7	15	2
Not reported.....	32	...	...	22	261	282	27	39	10
Indiana.....	348	340	12,901	262	10,357	14,999	338	445	101
1 to 9 acres.....	175	175	614	120	498	728	166	195	47
10 to 19 acres.....	58	58	770	51	844	1,229	57	78	15
20 to 29 acres.....	15	15	322	14	310	362	15	20	6
30 to 49 acres.....	33	33	1,241	21	821	1,502	33	45	9
50 to 99 acres.....	26	26	1,749	23	1,405	2,020	26	34	12
100 to 199 acres.....	23	23	3,051	19	2,094	3,267	23	35	8
200 to 499 acres.....	7	7	1,920	4	945	1,945	7	11	1
500 to 999 acres.....	2	2	1,200	2	850	1,350	2	4	1
1,000 acres and over.....	1	1	2,034	1	2,460	2,460	1	14	1
Not reported.....	8	...	...	7	130	136	8	9	1
Illinois.....	178	168	5,351	152	4,632	6,097	171	229	41
1 to 9 acres.....	71	71	273	60	284	408	65	81	12
10 to 19 acres.....	37	37	470	32	408	551	36	45	9
20 to 29 acres.....	22	22	528	18	411	572	22	29	4
30 to 49 acres.....	19	19	694	13	514	890	19	27	6
50 to 99 acres.....	10	10	585	10	685	742	10	14	2
100 to 199 acres.....	4	4	546	4	400	545	4	5	1
200 to 499 acres.....	4	4	1,055	4	995	1,055	4	15	3
500 to 999 acres.....	1	1	1,200	1	800	1,200	1	2	...
Not reported.....	10	...	...	10	135	134	10	11	4
Wisconsin.....	295	266	10,490	273	12,835	13,514	289	370	99
1 to 9 acres.....	104	104	434	97	504	733	101	108	26
10 to 19 acres.....	49	49	591	43	620	803	49	56	18
20 to 29 acres.....	27	27	609	25	894	1,049	26	33	10
30 to 49 acres.....	29	29	1,046	26	1,103	1,437	28	33	13
50 to 99 acres.....	23	23	1,484	23	1,642	1,783	23	34	14
100 to 199 acres.....	22	22	2,894	21	3,122	3,722	22	40	5
200 to 499 acres.....	12	12	3,432	12	2,960	3,452	12	26	2
Not reported.....	29	...	...	26	1,990	535	28	40	11
Michigan.....	1,168	1,040	20,605	1,072	23,931	27,768	1,132	1,365	447
1 to 9 acres.....	427	427	1,880	398	2,298	2,858	402	453	149
10 to 19 acres.....	262	262	3,518	248	4,186	4,866	260	295	111
20 to 29 acres.....	155	155	3,514	150	3,909	4,334	155	193	57
30 to 49 acres.....	91	91	3,300	86	3,271	3,936	88	116	33
50 to 99 acres.....	80	80	5,161	77	5,374	5,960	79	112	37
100 to 199 acres.....	25	25	3,232	25	3,469	3,718	24	40	12
Not reported.....	128	...	...	88	1,424	2,096	124	156	48

## IRRIGATION IN HUMID AREAS

Table 9.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY ACRES IRRIGATED IN 1954, BY STATES: 1955—Continued

State and acres irrigated in 1954	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Minnesota.....	273	254	7,423	246	7,392	9,168	264	382	23
1 to 9 acres.....	99	99	404	90	463	629	92	109	8
10 to 19 acres.....	32	32	437	27	379	575	32	42	...
20 to 29 acres.....	35	35	838	34	890	1,094	34	48	6
30 to 49 acres.....	32	32	1,165	30	1,362	1,523	32	52	2
50 to 99 acres.....	46	46	3,029	42	2,762	3,373	46	80	5
100 to 199 acres.....	8	8	1,100	6	746	1,170	8	18	1
200 to 499 acres.....	2	2	450	2	450	460	2	5	...
Not reported.....	19	...	...	15	340	344	18	28	1
Iowa.....	101	83	1,996	95	2,838	2,912	96	141	15
1 to 9 acres.....	26	26	117	25	135	192	22	28	4
10 to 19 acres.....	22	22	277	20	328	391	22	33	5
20 to 29 acres.....	14	14	322	14	376	389	14	18	3
30 to 49 acres.....	10	10	347	9	445	489	10	10	3
50 to 99 acres.....	8	8	513	7	635	796	8	14	...
100 to 199 acres.....	3	3	420	3	455	530	3	7	...
Not reported.....	18	...	...	17	464	125	17	31	...
Missouri.....	580	558	33,315	418	21,355	36,822	521	639	115
1 to 9 acres.....	141	141	560	113	580	913	97	111	32
10 to 19 acres.....	73	73	902	51	678	1,061	66	75	20
20 to 29 acres.....	71	71	1,624	44	1,238	2,125	69	78	19
30 to 49 acres.....	69	69	2,617	47	1,930	3,169	67	73	10
50 to 99 acres.....	92	92	5,977	66	3,760	6,535	92	106	15
100 to 199 acres.....	73	73	10,081	55	5,911	10,702	73	97	7
200 to 499 acres.....	35	35	9,259	28	5,124	9,399	35	70	9
500 to 999 acres.....	4	4	2,295	4	1,668	2,295	4	10	...
Not reported.....	22	...	...	10	466	623	18	19	3
Delaware.....	62	59	5,180	58	6,343	6,467	62	77	39
1 to 9 acres.....	4	4	22	4	114	113	4	4	3
10 to 19 acres.....	6	6	80	5	169	180	6	7	4
20 to 29 acres.....	3	3	63	3	351	351	3	5	2
30 to 49 acres.....	7	7	256	7	377	373	7	8	4
50 to 99 acres.....	16	16	1,174	16	1,526	1,594	16	19	11
100 to 199 acres.....	20	20	2,745	18	2,678	2,988	20	26	10
200 to 499 acres.....	3	3	840	3	875	610	3	3	2
Not reported.....	3	...	...	2	253	258	3	5	3
Maryland.....	173	153	7,247	150	8,133	9,663	164	199	92
1 to 9 acres.....	48	48	166	42	202	257	43	51	18
10 to 19 acres.....	18	18	249	16	257	335	17	17	9
20 to 29 acres.....	25	25	598	20	658	874	24	27	16
30 to 49 acres.....	15	15	587	14	522	705	15	17	6
50 to 99 acres.....	28	28	1,777	26	1,757	1,989	28	33	18
100 to 199 acres.....	13	13	1,605	12	1,780	2,127	13	18	11
200 to 499 acres.....	5	5	1,665	5	1,393	1,740	5	9	5
500 to 999 acres.....	1	1	600	1	800	800	1	9	1
Not reported.....	20	...	...	14	764	836	18	18	8
Virginia.....	545	522	22,887	426	16,465	24,738	537	630	322
1 to 9 acres.....	174	174	783	131	688	964	167	185	95
10 to 19 acres.....	91	91	1,202	75	1,081	1,483	90	100	61
20 to 29 acres.....	50	50	1,157	39	627	1,298	50	59	32
30 to 49 acres.....	65	65	2,381	48	1,431	2,514	65	73	35
50 to 99 acres.....	80	80	5,440	63	3,922	5,765	80	97	47
100 to 199 acres.....	47	47	6,223	38	4,387	6,420	47	53	26
200 to 499 acres.....	13	13	4,091	13	3,301	3,923	13	33	9
500 to 999 acres.....	1	1	610	1	200	610	1	2	1
1,000 acres and over.....	1	1	1,000	1	300	1,000	1	3	...
Not reported.....	23	...	...	17	528	761	23	25	16
West Virginia.....	29	29	1,104	26	973	1,176	26	31	10
1 to 9 acres.....	9	9	38	8	36	51	7	7	4
10 to 19 acres.....	6	6	76	6	85	85	5	6	3
20 to 29 acres.....	1	1	20	1	15	20	1	1	...
30 to 49 acres.....	7	7	278	6	159	292	7	7	1
50 to 99 acres.....	4	4	232	3	218	268	4	6	2
100 to 199 acres.....	1	1	150	1	150	150	1	2	...
200 to 499 acres.....	1	1	310	1	310	310	1	2	...

# IRRIGATION IN HUMID AREAS

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Table 9.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY ACRES IRRIGATED IN 1954,  
BY STATES: 1955—Continued

State and acres irrigated in 1954	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
North Carolina.....	1,590	1,547	27,135	1,197	21,350	30,874	1,559	1,752	1,073
1 to 9 acres.....	759	759	3,594	502	3,100	4,472	734	774	447
10 to 19 acres.....	381	381	5,024	315	4,368	5,781	379	425	287
20 to 29 acres.....	169	169	3,891	148	3,380	4,522	168	210	136
30 to 49 acres.....	151	151	5,398	122	3,637	6,042	151	170	105
50 to 99 acres.....	62	62	3,874	57	2,401	4,138	62	83	49
100 to 199 acres.....	14	14	1,727	10	894	1,757	14	19	10
200 to 499 acres.....	9	9	2,437	9	2,194	2,373	9	25	6
500 to 999 acres.....	2	2	1,190	2	896	1,210	2	5	2
Not reported.....	43	...	...	32	480	579	40	41	31
South Carolina.....	494	475	21,524	350	16,504	25,901	474	612	367
1 to 9 acres.....	144	144	737	101	1,113	1,498	135	157	107
10 to 19 acres.....	99	99	1,274	69	1,239	1,771	96	119	71
20 to 29 acres.....	66	66	1,511	47	1,309	1,930	65	71	49
30 to 49 acres.....	56	56	2,033	40	1,222	2,249	56	78	39
50 to 99 acres.....	58	58	3,934	41	2,432	4,002	57	72	44
100 to 199 acres.....	31	31	4,168	19	2,452	4,706	27	47	27
200 to 499 acres.....	16	16	4,352	12	2,488	4,859	16	36	11
500 to 999 acres.....	4	4	2,500	4	2,625	3,050	2	7	2
1,000 acres and over.....	1	1	1,015	1	1,015	1,015	1	4	1
Not reported.....	19	...	...	16	609	821	19	21	16
Georgia.....	857	801	24,681	734	25,271	32,581	828	1,008	649
1 to 9 acres.....	332	332	1,568	273	2,178	2,572	310	338	248
10 to 19 acres.....	164	164	2,132	143	2,954	3,436	161	178	127
20 to 29 acres.....	107	107	2,446	98	2,589	3,191	105	125	81
30 to 49 acres.....	73	73	2,641	62	2,461	3,332	73	93	58
50 to 99 acres.....	72	72	4,613	64	4,161	5,367	72	101	52
100 to 199 acres.....	31	31	3,989	28	3,485	5,075	30	58	19
200 to 499 acres.....	18	18	5,032	15	4,369	5,624	18	38	15
500 to 999 acres.....	4	4	2,260	3	1,570	2,420	4	13	3
Not reported.....	56	...	...	48	1,504	1,564	55	64	46
Kentucky.....	829	802	13,351	449	6,313	15,204	799	847	257
1 to 9 acres.....	459	459	1,809	208	929	2,076	431	445	132
10 to 19 acres.....	137	137	1,829	87	963	2,051	135	140	45
20 to 29 acres.....	72	72	1,705	42	957	1,939	72	75	22
30 to 49 acres.....	76	76	2,793	52	1,048	2,904	76	82	28
50 to 99 acres.....	41	41	2,686	29	1,259	2,946	41	52	13
100 to 199 acres.....	15	15	1,970	11	781	2,106	15	19	9
200 to 499 acres.....	2	2	559	2	223	559	2	4	...
Not reported.....	27	...	...	18	153	623	27	30	8
Tennessee.....	777	712	23,000	558	16,819	27,145	757	836	193
1 to 9 acres.....	347	347	1,205	210	1,019	1,645	331	344	71
10 to 19 acres.....	78	78	1,067	60	892	1,351	75	81	29
20 to 29 acres.....	70	70	1,606	59	1,324	1,861	70	73	19
30 to 49 acres.....	87	87	3,201	69	1,994	3,674	86	91	21
50 to 99 acres.....	68	68	4,535	56	2,895	4,882	68	78	14
100 to 199 acres.....	41	41	5,454	32	3,341	5,782	41	56	14
200 to 499 acres.....	21	21	5,932	19	4,064	6,149	21	42	11
Not reported.....	65	...	...	53	1,290	1,791	65	71	14
Alabama.....	330	322	15,409	266	12,641	18,353	316	427	145
1 to 9 acres.....	85	85	326	69	453	586	78	86	28
10 to 19 acres.....	63	63	801	48	1,002	1,349	60	76	28
20 to 29 acres.....	30	30	685	26	589	836	28	31	16
30 to 49 acres.....	36	36	1,217	30	1,125	1,425	36	46	15
50 to 99 acres.....	64	64	4,364	51	3,115	4,879	65	101	31
100 to 199 acres.....	33	33	4,371	28	3,385	4,971	33	50	18
200 to 499 acres.....	10	10	3,045	10	2,548	3,283	10	22	7
500 to 999 acres.....	1	1	600	...	...	600	1	1	...
Not reported.....	8	...	...	4	424	424	5	14	2
Mississippi.....	909	897	133,743	638	100,835	151,772	851	1,591	265
1 to 9 acres.....	154	154	672	92	676	1,027	115	120	57
10 to 19 acres.....	98	98	1,280	56	1,405	2,048	89	107	28
20 to 29 acres.....	82	82	1,887	45	1,816	2,891	80	97	30
30 to 49 acres.....	89	89	3,245	55	3,013	4,640	88	121	28
50 to 99 acres.....	108	108	7,184	74	5,600	9,270	107	156	31
100 to 199 acres.....	129	129	17,847	93	12,222	20,534	128	216	28
200 to 499 acres.....	168	168	48,040	150	36,806	53,720	165	390	44
500 to 999 acres.....	57	57	35,810	53	24,362	35,581	56	209	13
1,000 acres and over.....	12	12	17,778	11	12,670	19,093	11	144	3
Not reported.....	12	...	...	9	2,265	2,968	12	31	3

## IRRIGATION IN HUMID AREAS

Table 10.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms

Data on cost of irrigation systems were reported only for farms										
State and acres irrigated in 1954		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Total, 28 States.....	6,414	6,085	245,928	5,541	220,082	295,154	6,207	7,530	3,165
2	1 to 9 acres.....	1,900	1,900	8,687	1,605	10,863	13,599	1,767	1,936	934
3	10 to 19 acres.....	1,171	1,171	15,641	1,042	17,526	21,736	1,138	1,261	641
4	20 to 29 acres.....	792	792	18,245	698	19,363	24,242	780	895	415
5	30 to 49 acres.....	853	853	31,289	734	27,936	37,402	846	980	389
6	50 to 99 acres.....	812	812	54,525	714	47,790	61,305	807	1,033	394
7	100 to 199 acres.....	368	368	48,365	303	35,902	52,709	365	525	153
8	200 to 499 acres.....	157	157	43,666	137	32,692	48,348	157	341	67
9	500 to 999 acres.....	28	28	17,348	26	12,805	18,442	28	122	12
10	1,000 acres and over.....	4	4	8,162	4	7,529	8,603	4	67	3
11	Not reported.....	329	...	...	278	7,676	8,768	315	370	157
12	Maine.....	24	16	138	22	416	483	20	23	14
13	1 to 9 acres.....	10	10	39	9	77	97	9	10	5
14	10 to 19 acres.....	4	4	49	4	64	69	3	3	2
15	20 to 29 acres.....	1	1	20	1	15	20	1	1	1
16	30 to 49 acres.....	1	1	30	1	100	100	1	1	1
17	Not reported.....	8	...	...	7	160	197	6	8	5
18	New Hampshire.....	31	30	510	30	685	718	28	31	15
19	1 to 9 acres.....	11	11	40	10	36	51	10	10	5
20	10 to 19 acres.....	10	10	150	10	242	248	9	9	3
21	20 to 29 acres.....	5	5	108	5	128	127	4	5	3
22	30 to 49 acres.....	2	2	68	2	68	60	2	2	1
23	50 to 99 acres.....	2	2	144	2	164	185	2	4	2
24	Not reported.....	1	...	...	1	47	47	1	1	1
25	Vermont.....	14	14	267	13	275	341	14	16	4
26	1 to 9 acres.....	4	4	12	4	10	12	4	4	2
27	10 to 19 acres.....	6	6	80	6	130	144	6	6	2
28	20 to 29 acres.....	1	1	25	1	14	25	1	1	...
29	30 to 49 acres.....	2	2	80	1	41	80	2	2	...
30	50 to 99 acres.....	1	1	70	1	80	80	1	3	...
31	Massachusetts.....	217	199	3,982	205	4,462	5,343	177	213	102
32	1 to 9 acres.....	81	81	380	80	484	596	59	77	41
33	10 to 19 acres.....	58	58	788	53	935	1,193	50	58	29
34	20 to 29 acres.....	22	22	524	21	473	514	19	22	9
35	30 to 49 acres.....	23	23	887	23	901	988	21	23	9
36	50 to 99 acres.....	10	10	693	10	688	895	10	10	2
37	100 to 199 acres.....	5	5	710	4	660	800	4	5	3
38	Not reported.....	18	...	...	14	321	357	14	18	9
39	Rhode Island.....	17	17	535	15	377	633	16	21	7
40	1 to 9 acres.....	7	7	26	6	25	43	7	8	1
41	10 to 19 acres.....	3	3	48	3	42	57	2	3	2
42	20 to 29 acres.....	2	2	46	2	53	57	2	2	...
43	30 to 49 acres.....	3	3	110	2	27	171	3	3	3
44	50 to 99 acres.....	1	1	80	1	80	80	1	2	1
45	200 to 499 acres.....	1	1	225	1	150	225	1	3	...
46	Connecticut.....	161	151	5,924	155	6,161	6,679	158	208	98
47	1 to 9 acres.....	37	37	156	36	219	249	34	37	21
48	10 to 19 acres.....	33	33	474	32	489	595	33	38	18
49	20 to 29 acres.....	29	29	660	29	662	777	29	31	22
50	30 to 49 acres.....	25	25	954	25	987	947	25	30	13
51	50 to 99 acres.....	19	19	1,295	19	1,348	1,386	19	22	11
52	100 to 199 acres.....	5	5	605	5	492	627	5	8	4
53	200 to 499 acres.....	1	1	300	1	200	300	1	4	1
54	500 to 999 acres.....	2	2	1,480	2	1,564	1,564	2	27	2
55	Not reported.....	10	...	...	6	200	234	10	11	6
56	New York.....	467	434	16,596	449	18,390	20,078	422	512	169
57	1 to 9 acres.....	103	103	404	97	628	760	79	84	37
58	10 to 19 acres.....	67	67	853	63	984	1,107	57	64	23
59	20 to 29 acres.....	51	51	1,198	51	1,569	1,698	47	56	25
60	30 to 49 acres.....	76	76	2,877	74	3,010	3,253	75	84	23
61	50 to 99 acres.....	105	105	7,169	100	7,109	7,859	102	143	37
62	100 to 199 acres.....	29	29	3,470	29	3,580	3,865	29	42	9
63	200 to 499 acres.....	3	3	625	3	625	660	3	3	...
64	Not reported.....	33	...	...	32	885	876	30	36	15

# IRRIGATION IN HUMID AREAS

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## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY ACRES IRRIGATED IN 1954, BY STATES: 1955

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
35,545,680	5,542	145	6,382	27,477,344	4,305	112	693	826,488	1,193	3.36	3,896	7,241,848	1,859	29.45	1
4,347,093	2,288	500	1,882	3,371,439	1,791	388	143	45,798	320	5.27	1,107	929,856	840	107.04	2
4,692,039	4,007	300	1,166	3,638,649	3,121	233	107	43,608	408	2.79	743	1,009,782	1,359	64.56	3
3,770,529	4,761	207	790	2,942,872	3,725	161	87	66,768	767	3.66	490	760,889	1,533	41.70	4
4,984,243	5,843	159	851	3,942,953	4,633	126	58	43,301	747	1.38	484	997,989	2,062	31.90	5
6,797,094	8,371	125	812	5,481,360	6,750	101	90	75,906	843	1.39	518	1,239,828	2,393	22.74	6
4,644,049	12,620	96	366	3,596,137	9,826	74	79	158,511	2,006	3.28	231	889,401	3,850	18.39	7
3,061,879	19,502	70	157	2,222,230	14,154	51	73	218,315	2,991	5.00	112	621,334	5,548	14.23	8
1,256,985	44,892	72	28	793,791	28,350	46	22	120,412	5,473	6.94	22	342,782	15,581	19.76	9
436,900	109,225	54	4	240,100	60,025	29	2	34,000	17,000	4.17	4	162,800	40,700	19.95	10
1,554,869	4,726	...	326	1,247,813	3,828	...	32	19,869	621	...	185	287,187	1,552	...	11
66,866	2,786	485	23	57,011	2,479	413	1	600	600	4.35	14	9,255	661	67.07	12
16,410	1,641	421	10	15,175	1,518	389	...	...	...	...	5	1,235	247	31.67	13
10,200	2,550	208	4	7,200	1,800	147	...	...	...	...	2	3,000	1,500	61.22	14
2,516	2,516	126	1	2,416	2,416	121	...	...	...	...	1	100	100	5.00	15
12,500	12,500	417	1	11,000	11,000	367	...	...	...	...	1	1,500	1,500	50.00	16
25,240	3,155	...	7	21,220	3,031	...	1	600	600	...	5	3,420	684	...	17
88,468	2,854	173	30	68,898	2,297	135	6	2,081	347	4.08	15	17,489	1,166	34.29	18
13,230	1,203	331	10	9,895	990	247	4	931	233	23.28	5	2,404	481	60.10	19
26,375	2,638	176	10	21,690	2,169	145	1	150	150	1.00	3	4,535	1,512	30.23	20
19,150	3,830	177	5	12,500	2,500	116	1	1,000	1,000	9.26	3	5,650	1,883	52.31	21
3,600	1,800	53	2	2,800	1,400	41	...	...	...	...	1	800	800	11.76	22
20,913	10,456	145	2	17,013	8,506	118	...	...	...	...	2	3,900	1,950	27.08	23
5,200	5,200	...	1	5,000	5,000	...	...	...	...	...	1	200	200	...	24
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60	25
6,983	1,746	582	4	6,513	1,628	543	...	...	...	...	2	470	235	39.17	26
15,625	2,604	195	6	14,600	2,433	182	...	...	...	...	3	1,025	342	12.81	27
1,200	1,200	48	1	1,200	1,200	48	...	...	...	...	...	...	...	...	28
4,800	2,400	60	2	4,800	2,400	60	...	...	...	...	...	...	...	...	29
1,400	1,400	20	1	1,400	1,400	20	...	...	...	...	...	...	...	...	30
731,941	3,373	184	215	620,932	2,888	156	24	21,891	912	5.50	112	89,118	796	22.38	31
116,371	1,437	306	80	94,282	1,179	288	7	1,991	284	5.24	46	20,098	437	52.89	32
166,922	2,878	212	58	146,232	2,521	186	7	2,155	308	2.73	31	18,535	598	23.52	33
74,554	3,389	142	22	63,639	2,893	121	2	375	188	0.72	10	10,540	1,054	20.11	34
101,950	4,433	115	22	86,855	3,948	98	3	3,050	1,017	3.44	9	12,045	1,338	13.58	35
88,329	8,833	127	10	81,379	8,138	117	1	3,000	3,000	4.33	3	3,950	1,317	5.70	36
126,473	25,295	178	5	101,973	20,395	144	2	11,000	5,500	15.49	3	13,500	4,500	19.01	37
57,342	3,186	...	18	46,572	2,587	...	2	320	160	...	10	10,450	1,045	...	38
63,525	3,737	119	17	54,045	3,179	101	...	...	...	...	8	9,480	1,185	17.72	39
12,155	1,736	468	7	11,075	1,582	426	...	...	...	...	2	1,080	540	41.54	40
12,800	4,267	267	3	9,400	3,133	196	...	...	...	...	2	3,400	1,700	70.83	41
4,030	2,015	88	2	4,030	2,015	88	...	...	...	...	...	...	...	...	42
12,000	4,000	109	3	10,000	3,333	91	...	...	...	...	3	2,000	667	18.18	43
15,000	15,000	188	1	12,000	12,000	150	...	...	...	...	1	3,000	3,000	37.50	44
7,540	7,540	34	1	7,540	7,540	34	...	...	...	...	...	...	...	...	45
1,279,209	7,945	216	160	1,020,923	6,381	172	21	15,500	738	2.62	101	242,786	2,404	40.98	46
64,193	1,735	411	36	50,487	1,402	324	1	100	100	0.64	22	13,606	618	87.22	47
127,266	3,857	268	33	106,817	3,237	225	6	2,300	383	4.85	18	18,149	1,008	38.29	48
109,463	3,775	166	29	90,082	3,106	136	4	2,150	538	3.26	22	17,231	783	26.11	49
146,237	5,849	153	25	126,337	5,053	132	5	3,700	740	3.88	15	16,200	1,080	16.98	50
204,300	10,753	158	19	169,250	8,908	131	3	1,050	350	0.81	11	34,000	3,091	26.25	51
88,500	17,700	146	5	63,300	12,660	105	1	4,200	4,200	6.94	4	21,000	5,250	34.71	52
50,000	50,000	167	1	30,000	30,000	100	...	...	...	...	1	20,000	20,000	66.67	53
428,548	214,274	290	2	336,048	168,024	227	...	...	...	...	2	92,500	46,250	62.50	54
60,702	6,070	...	10	48,602	4,860	...	1	2,000	2,000	...	6	10,100	1,683	...	55
2,560,967	5,484	154	467	2,099,369	4,495	126	26	29,961	1,152	1.81	301	431,637	1,434	26.01	56
171,856	1,669	425	103	137,841	1,338	341	7	3,660	523	9.06	56	30,355	542	75.14	57
211,735	3,160	248	67	171,168	2,555	201	6	5,568	928	6.53	36	34,999	972	41.03	58
206,654	4,092	172	51	181,738	3,563	152	4	3,750	938	3.13	32	21,166	661	17.67	59
426,785	5,616	148	76	346,122	4,554	120	1	420	420	0.15	54	80,243	1,486	27.89	60
946,167	9,011	132	105	777,076	7,401	108	4	3,614	904	0.50	80	165,477	2,068	23.68	61
408,802	14,097	118	29	330,108	11,383	95	2	12,720	6,360	3.67	22	65,974	2,999	19.01	62
52,000	17,333	83	3	49,500	16,500	79	...	...	...	...	1	2,500	2,500	4.00	63
136,968	4,151	...	33	105,816	3,207	...	2	229	114	...	20	30,923	1,546	...	64

## IRRIGATION IN HUMID AREAS

Table 10.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

Data on cost of irrigation systems were reported only for farms										
State and acres irrigated in 1954		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	New Jersey.....	560	520	20,343	541	24,339	24,291	540	683	328
2	1 to 9 acres.....	117	117	542	109	711	787	102	117	55
3	10 to 19 acres.....	72	72	994	70	1,380	1,418	70	85	36
4	20 to 29 acres.....	74	74	1,724	71	2,084	2,246	74	88	36
5	30 to 49 acres.....	91	91	3,422	90	4,333	4,416	90	109	61
6	50 to 99 acres.....	128	128	8,801	124	9,733	9,266	127	169	90
7	100 to 199 acres.....	34	34	4,135	33	4,017	4,309	34	52	26
8	200 to 499 acres.....	4	4	725	4	790	790	4	11	4
9	Not reported.....	40	...	...	40	1,291	1,059	39	52	20
10	Pennsylvania.....	277	266	7,661	263	8,398	9,502	272	304	134
11	1 to 9 acres.....	71	71	326	65	470	514	66	78	41
12	10 to 19 acres.....	58	58	788	56	1,040	1,152	58	62	30
13	20 to 29 acres.....	37	37	844	37	1,050	1,148	37	41	11
14	30 to 49 acres.....	55	55	2,006	51	1,966	2,362	55	60	24
15	50 to 99 acres.....	39	39	2,483	38	2,349	2,677	39	41	22
16	100 to 199 acres.....	2	2	277	2	295	307	2	3	1
17	200 to 499 acres.....	4	4	957	4	1,123	1,238	4	7	3
18	Not reported.....	11	...	...	10	105	104	11	12	2
19	Ohio.....	225	216	5,193	195	4,521	5,944	218	258	97
20	1 to 9 acres.....	95	95	409	82	564	619	90	110	42
21	10 to 19 acres.....	36	36	461	33	476	560	35	37	18
22	20 to 29 acres.....	28	28	623	23	489	788	28	29	12
23	30 to 49 acres.....	23	23	840	20	709	902	23	30	10
24	50 to 99 acres.....	26	26	1,711	22	1,281	1,831	26	32	9
25	100 to 199 acres.....	7	7	949	7	923	965	7	9	4
26	200 to 499 acres.....	1	1	200	...	...	200	1	1	...
27	Not reported.....	9	...	...	8	79	79	8	10	2
28	Indiana.....	120	118	7,283	94	5,857	8,416	118	150	40
29	1 to 9 acres.....	43	43	160	33	165	204	41	41	16
30	10 to 19 acres.....	17	17	252	14	312	587	17	19	6
31	20 to 29 acres.....	7	7	156	6	123	166	7	7	4
32	30 to 49 acres.....	16	16	623	11	275	669	16	22	1
33	50 to 99 acres.....	16	16	1,075	15	797	1,166	16	21	7
34	100 to 199 acres.....	14	14	1,783	10	1,059	1,898	14	18	3
35	200 to 499 acres.....	4	4	1,200	2	625	1,225	4	6	1
36	1,000 acres and over.....	1	1	2,034	1	2,460	2,460	1	14	1
37	Not reported.....	2	...	...	2	41	41	2	2	1
38	Illinois.....	66	61	1,404	53	1,258	1,663	64	82	21
39	1 to 9 acres.....	21	21	84	17	96	117	20	29	6
40	10 to 19 acres.....	15	15	181	12	173	217	14	17	4
41	20 to 29 acres.....	8	8	191	6	114	196	8	9	3
42	30 to 49 acres.....	11	11	417	7	239	427	11	16	4
43	50 to 99 acres.....	3	3	155	3	146	167	3	3	1
44	100 to 199 acres.....	3	3	376	3	395	445	3	3	1
45	Not reported.....	5	...	...	5	95	94	5	5	2
46	Wisconsin.....	133	125	4,615	121	5,072	6,147	132	154	48
47	1 to 9 acres.....	43	43	183	39	234	368	43	43	15
48	10 to 19 acres.....	26	26	306	23	276	394	26	28	9
49	20 to 29 acres.....	13	13	296	12	449	502	13	14	5
50	30 to 49 acres.....	19	19	681	17	770	931	18	20	8
51	50 to 99 acres.....	8	8	510	8	572	615	8	9	7
52	100 to 199 acres.....	12	12	1,689	11	1,651	2,105	12	23	1
53	200 to 499 acres.....	4	4	950	4	1,020	1,120	4	9	2
54	Not reported.....	8	...	...	7	100	112	8	8	1
55	Michigan.....	547	502	9,832	512	11,545	13,638	539	621	257
56	1 to 9 acres.....	195	195	893	186	1,269	1,475	191	210	87
57	10 to 19 acres.....	129	129	1,733	122	2,131	2,532	128	139	64
58	20 to 29 acres.....	81	81	1,825	78	2,101	2,357	81	97	33
59	30 to 49 acres.....	52	52	1,842	49	1,854	2,219	51	61	25
60	50 to 99 acres.....	36	36	2,313	35	2,442	2,763	35	47	21
61	100 to 199 acres.....	9	9	1,226	9	1,292	1,683	9	15	5
62	Not reported.....	45	...	...	33	456	609	44	52	22

# IRRIGATION IN HUMID AREAS

65

## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY ACRES IRRIGATED IN 1954, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
3,659,940	6,536	180	559	3,000,933	5,368	148	80	48,387	605	2.38	409	610,620	1,493	30.02	1
209,055	1,787	386	117	159,703	1,365	295	13	4,685	350	8.64	76	44,667	588	82.41	2
295,257	4,101	297	72	235,215	3,267	237	16	8,600	538	8.65	49	51,442	1,050	51.75	3
352,922	4,769	205	74	301,906	4,080	175	14	7,248	518	4.20	50	43,768	875	25.39	4
674,434	7,411	197	91	568,443	6,247	166	10	9,586	959	2.80	71	96,405	1,358	28.17	5
1,232,086	9,626	140	128	1,018,688	7,958	116	17	7,237	426	0.82	105	206,161	1,963	23.42	6
573,525	16,868	139	33	441,580	13,381	107	7	9,746	1,392	2.36	30	122,199	4,073	29.55	7
115,000	28,750	159	4	100,000	25,000	138	...	...	...	...	4	15,000	3,750	20.69	8
207,661	5,192	...	40	175,398	4,385	...	3	1,285	428	...	24	30,978	1,291	...	9
1,227,710	4,432	160	277	1,058,772	3,822	138	11	3,051	277	0.40	143	165,887	1,160	21.60	10
133,490	1,880	409	71	105,355	1,484	323	4	968	242	2.97	43	27,167	632	83.33	11
218,498	3,767	277	58	185,467	3,198	235	5	1,808	362	2.29	32	31,223	976	39.62	12
140,123	3,814	167	37	122,838	3,320	146	2	275	138	0.33	13	18,010	1,385	21.34	13
273,165	4,967	136	55	242,003	4,400	121	...	...	...	...	27	31,162	1,154	15.53	14
275,354	7,060	111	39	239,104	6,131	96	...	...	...	...	22	36,250	1,648	14.60	15
46,650	23,325	168	2	44,350	22,175	160	...	...	...	...	1	2,300	2,300	8.30	16
115,500	28,875	121	4	97,500	24,375	102	...	...	...	...	3	18,000	6,000	18.81	17
23,930	2,175	...	11	22,155	2,014	...	...	...	...	...	2	1,775	888	...	18
932,641	4,145	180	225	729,121	3,241	140	11	13,280	1,207	2.56	132	190,240	1,441	36.63	19
217,475	2,289	532	95	157,108	1,654	384	6	8,330	1,388	20.37	57	52,037	913	127.23	20
119,592	3,322	259	36	95,259	2,646	207	2	450	225	0.98	21	23,883	1,137	51.81	21
129,294	4,618	208	28	101,102	3,611	162	1	1,000	1,000	1.61	15	27,192	1,813	43.65	22
140,128	6,093	167	23	110,471	4,803	132	...	...	...	...	13	29,657	2,281	35.31	23
213,316	8,204	125	26	178,870	6,880	105	2	3,500	1,750	2.05	14	30,946	2,210	18.09	24
75,770	10,824	80	7	58,970	8,424	62	...	...	...	...	7	16,800	2,400	17.70	25
8,000	8,000	40	1	8,000	8,000	40	...	...	...	...	...	...	...	...	26
29,066	3,230	...	9	19,341	2,149	...	...	...	...	...	5	9,725	1,945	...	27
763,815	6,365	105	120	643,216	5,360	88	4	5,550	1,388	0.76	73	115,049	1,576	15.80	28
64,913	1,510	406	43	54,773	1,274	342	...	...	...	...	26	10,140	390	63.38	29
73,425	4,319	291	17	64,650	3,803	257	1	500	500	1.98	12	8,275	690	32.84	30
23,325	3,046	137	7	17,200	2,457	110	1	50	50	0.32	5	4,075	815	26.12	31
71,581	4,474	115	16	66,546	4,159	107	...	...	...	...	7	5,035	719	8.08	32
110,735	6,921	103	16	100,155	6,260	93	...	...	...	...	10	10,580	1,058	9.84	33
143,550	10,254	81	14	116,500	8,321	65	2	5,000	2,500	2.80	9	22,050	2,450	12.37	34
87,000	21,750	72	4	83,500	20,875	70	...	...	...	...	1	3,500	3,500	2.92	35
186,000	186,000	91	1	136,000	136,000	67	...	...	...	...	1	50,000	50,000	24.58	36
5,286	2,643	...	2	3,892	1,946	...	...	...	...	...	2	1,394	697	...	37
274,312	4,156	195	66	227,311	3,444	162	3	400	133	0.28	37	46,601	1,259	33.19	38
29,352	1,398	349	21	21,580	1,028	257	...	...	...	...	13	7,772	598	92.52	39
60,508	4,034	334	15	51,549	3,437	285	1	50	50	0.28	10	8,909	891	49.22	40
33,100	4,138	173	8	29,300	3,662	153	...	...	...	...	3	3,800	1,267	19.90	41
73,500	6,682	176	11	57,500	5,227	138	1	300	300	0.72	5	15,700	3,140	37.65	42
22,077	7,359	142	3	19,257	6,419	124	...	...	...	...	2	2,820	1,410	18.19	43
41,500	13,833	110	3	36,000	12,000	96	...	...	...	...	2	5,500	2,750	14.63	44
14,275	2,855	...	5	12,125	2,425	...	1	50	50	...	2	2,100	1,050	...	45
702,669	5,283	152	133	626,048	4,707	136	8	5,410	676	1.17	68	71,211	1,047	15.43	46
80,302	1,867	439	43	69,320	1,612	379	2	730	365	3.99	21	10,252	488	56.02	47
77,548	2,983	253	26	65,971	2,537	216	1	600	600	1.96	16	10,977	686	35.87	48
52,545	4,042	178	13	44,015	3,386	149	2	1,880	940	6.35	6	6,650	1,108	22.47	49
91,899	4,837	135	19	83,932	4,417	123	1	500	500	0.73	9	7,467	830	10.96	50
67,450	8,431	132	8	52,600	6,575	103	...	...	...	...	8	14,850	1,856	29.12	51
204,850	17,071	121	12	189,650	15,804	112	...	...	...	...	4	15,200	3,800	9.00	52
105,100	26,275	111	4	98,000	24,500	103	1	1,500	1,500	1.58	2	5,600	2,800	5.89	53
22,975	2,872	...	8	22,560	2,820	...	1	200	200	...	2	215	108	...	54
2,243,235	4,101	228	545	1,921,974	3,527	195	43	41,196	958	4.19	329	280,065	851	28.49	55
452,513	2,321	507	195	396,425	2,033	444	16	6,415	401	7.18	111	49,673	448	55.62	56
442,063	3,427	255	128	382,551	2,989	221	11	4,934	449	2.85	76	54,578	718	31.49	57
404,767	4,997	222	81	346,507	4,278	190	4	1,400	350	0.77	50	56,860	1,137	31.16	58
291,598	5,608	158	51	246,343	4,830	134	5	1,992	398	1.08	32	43,263	1,352	23.49	59
291,997	8,111	126	36	264,021	7,334	114	...	...	...	...	26	27,976	1,076	12.10	60
224,690	24,966	183	9	169,250	18,806	138	4	24,600	6,150	20.07	8	30,840	3,855	25.15	61
135,607	3,013	...	45	116,877	2,597	...	3	1,855	618	...	26	16,875	649	...	62

## IRRIGATION IN HUMID AREAS

Table 10—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

[Data on cost of irrigation systems were reported only for farms]										
	State and acres irrigated in 1954	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Minnesota.....	94	90	2,719	81	2,509	3,392	93	108	8
2	1 to 9 acres.....	33	33	142	30	197	271	32	35	3
3	10 to 19 acres.....	11	11	163	6	87	222	11	12	...
4	20 to 29 acres.....	14	14	351	13	362	434	14	14	3
5	30 to 49 acres.....	12	12	414	11	434	516	12	14	...
6	50 to 99 acres.....	17	17	1,209	14	947	1,313	17	21	2
7	100 to 199 acres.....	3	3	440	3	306	460	3	7	...
8	Not reported.....	4	...	...	4	176	176	4	5	...
9	Iowa.....	21	20	576	20	727	820	20	23	8
10	1 to 9 acres.....	5	5	25	5	45	45	4	6	2
11	10 to 19 acres.....	3	3	35	3	73	73	3	4	1
12	20 to 29 acres.....	2	2	49	2	120	120	2	2	2
13	30 to 49 acres.....	6	6	203	6	325	318	6	6	3
14	50 to 99 acres.....	4	4	264	3	150	264	4	4	...
15	Not reported.....	1	...	...	1	14	...	1	1	...
16	Missouri.....	280	271	15,528	206	9,818	17,340	264	320	50
17	1 to 9 acres.....	46	46	209	37	243	422	35	40	11
18	10 to 19 acres.....	38	38	486	29	451	661	36	41	11
19	20 to 29 acres.....	37	37	846	25	736	1,053	36	41	9
20	30 to 49 acres.....	46	46	1,706	31	1,242	2,170	45	50	6
21	50 to 99 acres.....	54	54	3,535	40	2,178	3,879	54	66	6
22	100 to 199 acres.....	35	35	4,744	27	2,671	4,871	35	46	3
23	200 to 499 acres.....	15	15	4,002	12	2,124	4,032	15	27	2
24	Not reported.....	9	...	...	5	173	252	8	9	2
25	Delaware.....	33	32	2,600	31	3,187	3,359	33	39	21
26	1 to 9 acres.....	1	1	3	1	3	2	1	1	1
27	10 to 19 acres.....	4	4	55	3	53	64	4	4	3
28	20 to 29 acres.....	2	2	43	2	331	331	2	3	2
29	30 to 49 acres.....	4	4	140	4	174	175	4	5	2
30	50 to 99 acres.....	9	9	682	9	874	905	9	10	7
31	100 to 199 acres.....	11	11	1,477	10	1,522	1,652	11	14	5
32	200 to 499 acres.....	1	1	200	1	200	200	1	1	...
33	Not reported.....	1	...	...	1	30	30	1	1	1
34	Maryland.....	101	93	5,328	92	6,157	7,068	100	119	58
35	1 to 9 acres.....	20	20	60	18	80	106	20	22	10
36	10 to 19 acres.....	15	15	209	14	214	280	14	14	7
37	20 to 29 acres.....	13	13	305	11	459	565	13	14	8
38	30 to 49 acres.....	11	11	423	10	402	532	11	13	4
39	50 to 99 acres.....	18	18	1,138	17	1,169	1,284	18	19	11
40	100 to 199 acres.....	11	11	1,368	10	1,312	1,585	11	14	9
41	200 to 499 acres.....	4	4	1,225	4	1,123	1,300	4	6	4
42	500 to 999 acres.....	1	1	600	1	800	800	1	9	1
43	Not reported.....	8	...	...	7	598	616	8	8	4
44	Virginia.....	297	284	11,793	255	9,042	13,219	294	325	192
45	1 to 9 acres.....	82	82	424	71	433	542	79	85	53
46	10 to 19 acres.....	46	46	621	44	678	794	46	51	35
47	20 to 29 acres.....	32	32	742	28	464	770	32	34	24
48	30 to 49 acres.....	41	41	1,518	33	1,103	1,648	41	44	24
49	50 to 99 acres.....	51	51	3,551	42	2,738	3,917	51	60	30
50	100 to 199 acres.....	27	27	3,505	21	2,133	3,573	27	29	14
51	200 to 499 acres.....	5	5	1,432	5	1,104	1,371	5	9	3
52	Not reported.....	13	...	...	11	389	604	13	13	9
53	West Virginia.....	16	16	736	15	671	777	15	17	5
54	1 to 9 acres.....	3	3	16	3	16	16	2	2	1
55	10 to 19 acres.....	4	4	56	4	63	63	4	4	1
56	20 to 29 acres.....	1	1	20	1	15	20	1	1	...
57	30 to 49 acres.....	5	5	202	4	106	207	5	5	1
58	50 to 99 acres.....	2	2	132	2	161	161	2	3	2
59	200 to 499 acres.....	1	1	310	1	310	310	1	2	...
60	North Carolina.....	799	781	15,391	672	12,123	17,920	793	882	588
61	1 to 9 acres.....	318	318	1,629	247	1,676	2,148	313	324	214
62	10 to 19 acres.....	214	214	2,824	191	2,663	3,314	214	237	167
63	20 to 29 acres.....	102	102	2,309	94	2,117	2,786	102	123	85
64	30 to 49 acres.....	101	101	3,598	85	2,448	4,049	101	113	71
65	50 to 99 acres.....	32	32	2,023	29	1,053	2,249	32	43	27
66	100 to 199 acres.....	10	10	1,254	7	586	1,284	10	13	8
67	200 to 499 acres.....	2	2	564	2	410	580	2	7	2
68	500 to 999 acres.....	2	2	1,190	2	896	1,210	2	5	2
69	Not reported.....	18	...	...	15	274	300	17	17	12

# IRRIGATION IN HUMID AREAS

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## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY ACRES IRRIGATED IN 1954, BY STATES: 1955--Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
520,844	5,541	192	94	454,455	4,835	167	6	5,533	922	2.03	44	60,856	1,383	22.38	1
118,626	3,595	835	33	113,076	3,427	796	1	283	283	1.99	11	5,267	479	37.09	2
30,391	2,763	186	11	29,051	2,641	178	1	200	200	1.23	2	1,140	570	6.99	3
61,244	4,375	174	14	45,662	3,262	130	2	2,975	1,488	8.48	11	12,607	1,146	35.92	4
83,007	6,917	200	12	67,565	5,630	163	1	2,000	2,000	4.83	9	13,442	1,494	32.47	5
154,281	9,075	128	17	131,806	7,753	109	1	75	75	0.06	9	22,400	2,489	18.53	6
58,995	19,665	134	3	52,995	17,665	120	...	...	...	...	2	6,000	3,000	13.64	7
14,300	3,575	...	4	14,300	3,575	...	...	...	...	...	...	...	...	...	8
83,107	3,957	144	21	71,047	3,383	123	2	790	395	1.37	12	11,270	939	19.57	9
9,796	1,959	392	5	6,956	1,391	278	1	700	700	28.00	3	2,140	713	85.60	10
5,766	1,922	165	3	4,506	1,502	129	1	90	90	2.57	2	1,170	585	33.43	11
11,700	5,850	239	2	7,700	3,850	157	...	...	...	...	2	4,000	2,000	81.63	12
20,425	3,404	101	6	18,725	3,121	92	...	...	...	...	3	1,700	567	8.37	13
22,700	5,675	86	4	22,200	5,550	84	...	...	...	...	1	500	500	1.89	14
12,720	12,720	...	1	10,960	10,960	...	...	...	...	...	1	1,760	1,760	...	15
1,318,692	4,710	85	278	1,105,366	3,976	71	39	35,111	900	2.26	98	178,215	1,819	11.48	16
85,110	1,850	407	46	73,395	1,596	351	6	1,165	194	5.57	15	10,550	703	50.48	17
128,680	3,386	265	37	101,530	2,744	209	4	1,250	312	2.57	14	25,900	1,850	53.29	18
121,595	3,286	144	37	100,985	2,729	119	3	1,070	357	1.26	12	19,540	1,628	23.10	19
198,989	4,326	117	46	158,992	3,456	93	2	1,256	628	0.74	12	38,741	3,228	22.71	20
278,257	5,153	79	54	236,263	4,375	67	7	3,920	560	1.11	18	38,074	2,115	10.77	21
278,990	7,971	59	35	246,490	7,043	52	7	5,770	824	1.22	16	26,730	1,671	5.63	22
197,691	13,179	49	15	163,061	10,871	41	9	18,180	2,020	4.54	8	16,450	2,056	4.11	23
29,380	3,264	...	8	24,650	3,081	...	1	2,500	2,500	...	3	2,230	743	...	24
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	25
1,000	1,000	333	1	800	800	267	...	...	...	...	1	200	200	66.67	26
14,177	3,544	258	4	11,315	2,829	206	1	100	100	1.82	3	2,762	921	50.22	27
45,550	22,775	1,059	2	42,600	21,300	991	...	...	...	...	2	2,950	1,475	68.60	28
28,475	7,119	203	4	25,900	6,475	185	...	...	...	...	3	2,575	858	18.39	29
81,767	9,085	120	9	67,068	7,452	98	1	1,900	1,900	2.79	7	12,799	1,828	18.77	30
161,884	14,717	110	11	128,884	11,717	89	1	500	500	0.34	7	32,500	4,643	22.00	31
14,000	14,000	70	1	14,000	14,000	70	...	...	...	...	...	...	...	...	32
10,000	10,000	...	1	8,000	8,000	...	...	...	...	...	1	2,000	2,000	...	33
687,578	6,808	129	100	534,795	5,348	100	9	8,025	892	1.51	66	144,758	2,193	27.17	34
39,229	1,961	654	20	25,451	1,273	424	...	...	...	...	12	13,778	1,148	229.63	35
46,915	3,128	244	14	38,652	2,761	185	3	1,225	408	5.86	9	7,038	782	33.67	36
59,189	4,553	194	13	48,124	3,702	158	...	...	...	...	9	11,065	1,229	36.28	37
59,400	5,400	140	11	53,050	4,823	125	1	250	250	0.59	6	6,100	1,017	14.42	38
120,321	6,684	106	18	103,031	5,724	91	1	3,000	3,000	2.64	12	14,290	1,191	12.56	39
118,800	10,800	87	11	101,900	9,264	74	3	3,050	1,017	2.23	9	13,850	1,539	10.12	40
62,600	156,500	51	4	49,500	12,375	40	...	500	500	0.41	4	12,600	3,150	10.29	41
116,251	116,251	194	1	53,251	53,251	89	...	...	...	...	1	63,000	63,000	105.00	42
64,873	8,109	...	8	61,836	7,730	...	...	...	...	...	4	3,037	799	...	43
1,812,422	6,102	154	296	1,337,113	4,517	113	19	21,420	1,127	1.82	202	453,889	2,247	38.49	44
230,763	2,814	544	81	165,662	2,045	391	4	1,240	310	2.92	57	63,861	1,120	150.62	45
199,027	4,327	320	46	137,314	2,985	224	4	1,560	390	2.51	37	60,153	1,626	95.86	46
148,572	4,643	200	32	98,947	3,092	133	1	100	100	0.13	24	49,525	2,064	66.75	47
225,003	5,488	148	41	171,888	4,192	113	2	4,060	2,030	2.67	25	49,055	1,962	32.32	48
440,999	8,647	124	51	330,089	6,472	93	5	10,860	2,172	3.06	30	100,050	3,335	28.18	49
330,849	12,254	94	27	258,054	9,558	74	...	...	...	...	17	72,795	4,282	20.77	50
147,000	29,400	103	5	115,500	23,100	81	...	...	...	...	3	31,500	10,500	22.00	51
90,209	6,939	...	13	59,659	4,589	...	3	3,600	1,200	...	9	26,950	2,994	...	52
89,590	5,599	122	16	67,490	4,218	92	1	200	200	0.27	5	21,900	4,380	29.76	53
5,500	1,833	344	3	4,900	1,633	306	1	200	200	12.50	1	400	400	25.00	54
8,100	2,025	145	4	6,600	1,650	118	...	...	...	...	1	1,500	1,500	26.79	55
1,500	1,500	75	1	1,500	1,500	75	...	...	...	...	...	...	...	...	56
23,090	4,618	114	5	13,090	2,618	65	...	...	...	...	1	10,000	10,000	49.50	57
26,400	13,200	200	2	16,400	8,200	124	...	...	...	...	2	10,000	5,000	75.76	58
25,000	25,000	81	1	25,000	25,000	81	...	...	...	...	...	...	...	...	59
3,988,395	4,992	259	796	2,832,441	3,558	184	59	37,676	639	2.45	613	1,118,278	1,824	72.66	60
885,276	2,784	543	316	658,475	2,084	404	17	4,660	274	2.86	224	222,141	992	136.37	61
996,745	4,658	353	214	700,245	3,272	248	13	5,221	402	1.85	175	291,279	1,664	103.14	62
612,230	6,002	265	102	406,419	3,964	176	14	15,200	1,086	6.58	89	190,611	2,142	82.55	63
745,292	7,379	207	101	527,987	5,228	147	7	6,640	949	1.85	72	210,665	2,926	58.55	64
354,543	11,079	175	32	254,929	7,967	126	3	1,400	467	0.69	28	98,214	3,508	48.55	65
122,227	12,223	97	10	80,874	8,087	64	...	...	...	...	8	41,353	5,169	32.98	66
73,000	36,500	129	2	54,000	27,000	96	1	1,000	1,000	1.77	2	18,000	9,000	31.91	67
79,000	39,500	66	2	65,000	32,500	55	1	2,000	2,000	1.68	2	12,000	6,000	10.08	68
120,082	6,671	...	17	84,512	4,971	...	3	1,555	518	...	13	34,015	2,617	...	69

## IRRIGATION IN HUMID AREAS

Table 10—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

[Data on cost of irrigation systems were reported only for farms]										
State and acres irrigated in 1954		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	South Carolina.....	234	223	10,180	183	6,956	11,848	229	279	187
2	1 to 9 acres.....	50	50	279	43	486	591	49	57	42
3	10 to 19 acres.....	46	46	591	40	767	923	45	50	37
4	20 to 29 acres.....	41	41	948	31	1,042	1,348	40	44	30
5	30 to 49 acres.....	23	23	840	17	529	942	23	28	17
6	50 to 99 acres.....	37	37	2,542	26	1,526	2,657	37	43	30
7	100 to 199 acres.....	16	16	2,167	9	984	2,021	14	24	12
8	200 to 499 acres.....	10	10	2,813	7	1,259	2,961	10	21	9
9	Not reported.....	11	...	...	10	363	405	11	12	10
10	Georgia.....	408	381	12,679	370	12,907	16,197	402	478	320
11	1 to 9 acres.....	141	141	722	125	1,175	1,292	136	148	110
12	10 to 19 acres.....	82	82	1,099	76	1,697	1,849	82	88	66
13	20 to 29 acres.....	57	57	1,297	56	1,483	1,752	56	66	43
14	30 to 49 acres.....	36	36	1,263	31	1,165	1,499	36	45	31
15	50 to 99 acres.....	41	41	2,633	37	2,433	3,011	41	58	30
16	100 to 199 acres.....	13	13	1,613	12	1,101	1,555	13	16	8
17	200 to 499 acres.....	11	11	4,052	8	3,443	4,804	11	26	10
18	Not reported.....	27	..	...	25	410	435	27	31	22
19	Kentucky.....	376	366	8,341	246	4,221	9,443	371	399	122
20	1 to 9 acres.....	158	158	668	97	455	849	154	161	49
21	10 to 19 acres.....	76	76	1,035	52	591	1,196	75	77	28
22	20 to 29 acres.....	46	46	1,097	28	611	1,253	46	49	14
23	30 to 49 acres.....	46	46	1,712	35	715	1,733	46	50	15
24	50 to 99 acres.....	27	27	1,855	19	894	2,137	27	35	8
25	100 to 199 acres.....	11	11	1,415	9	700	1,381	11	13	6
26	200 to 499 acres.....	2	2	559	2	223	559	2	4	...
27	Not reported.....	10	...	...	4	32	335	10	10	2
28	Tennessee.....	366	342	12,044	294	8,605	14,415	360	393	97
29	1 to 9 acres.....	122	122	495	91	503	719	116	120	30
30	10 to 19 acres.....	45	45	632	39	574	857	45	48	20
31	20 to 29 acres.....	43	43	971	37	903	1,235	43	46	14
32	30 to 49 acres.....	64	64	2,366	51	1,542	2,868	64	68	13
33	50 to 99 acres.....	35	35	2,375	30	1,562	2,526	35	39	5
34	100 to 199 acres.....	24	24	3,196	18	1,903	3,459	24	32	8
35	200 to 499 acres.....	9	9	2,009	8	1,220	2,109	9	14	3
36	Not reported.....	24	...	...	20	398	642	24	26	4
37	Alabama.....	156	151	7,839	129	6,410	9,884	155	197	61
38	1 to 9 acres.....	34	34	137	32	317	358	34	37	13
39	10 to 19 acres.....	32	32	398	26	567	671	31	39	11
40	20 to 29 acres.....	11	11	269	10	238	356	11	14	5
41	30 to 49 acres.....	16	16	517	13	560	701	16	21	6
42	50 to 99 acres.....	33	33	2,314	23	1,634	2,665	33	38	11
43	100 to 199 acres.....	20	20	2,704	17	1,962	3,196	20	27	10
44	200 to 499 acres.....	4	4	900	4	708	913	4	6	2
45	500 to 999 acres.....	1	1	600	...	...	600	1	1	...
46	Not reported.....	5	...	...	4	424	424	5	14	3
47	Mississippi.....	374	366	55,871	279	44,993	65,596	360	675	114
48	1 to 9 acres.....	49	49	224	32	246	346	37	40	21
49	10 to 19 acres.....	21	21	280	14	374	496	20	24	8
50	20 to 29 acres.....	32	32	758	17	1,158	1,598	31	41	12
51	30 to 49 acres.....	43	43	1,550	30	1,911	2,519	43	55	13
52	50 to 99 acres.....	58	58	3,773	45	3,682	5,367	58	88	15
53	100 to 199 acres.....	67	67	9,262	47	6,358	10,668	67	112	13
54	200 to 499 acres.....	71	71	20,418	64	16,035	23,451	71	174	21
55	500 to 999 acres.....	22	22	13,478	21	9,545	14,268	22	80	7
56	1,000 acres and over.....	3	3	6,128	3	5,069	6,143	3	53	2
57	Not reported.....	8	...	...	6	615	740	8	8	2

# IRRIGATION IN HUMID AREAS

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## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY ACRES IRRIGATED IN 1954, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text.]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
1,576,599	6,738	155	232	1,059,966	4,569	104	29	34,167	1,178	3.36	194	482,466	2,487	47.39	1
180,160	3,603	646	50	121,467	2,429	435	6	1,462	244	5.24	46	57,231	1,244	205.13	2
208,174	4,526	352	46	137,047	2,979	232	3	1,050	350	1.78	38	70,077	1,844	118.57	3
201,590	4,917	213	40	138,440	3,461	146	7	7,130	1,019	7.52	30	56,020	1,867	59.09	4
177,187	7,704	211	23	102,762	4,468	122	1	1,200	1,200	1.43	17	73,225	4,307	87.17	5
331,470	8,959	130	37	235,905	6,376	93	6	13,575	2,262	5.34	30	81,990	2,733	32.25	6
205,985	12,874	95	15	151,100	10,073	70	2	4,000	2,000	1.85	12	50,885	4,240	23.48	7
204,745	20,474	73	10	132,095	13,210	47	1	5,000	5,000	1.78	10	67,650	6,765	24.05	8
67,288	6,117	...	11	41,150	3,741	...	3	750	250	...	11	25,388	2,308	...	9
2,944,255	7,216	232	403	1,970,929	4,891	155	36	32,001	889	2.52	339	941,325	2,777	74.24	10
509,022	3,610	705	137	330,202	2,410	457	15	5,200	347	7.20	116	173,620	1,497	240.47	11
491,188	5,990	447	82	316,394	3,958	288	3	2,950	983	2.68	72	171,844	2,387	156.36	12
424,956	7,455	328	56	294,200	5,254	227	6	6,800	1,133	5.24	45	123,956	2,755	95.57	13
305,024	8,473	242	36	191,472	5,319	152	3	2,250	750	1.78	31	111,302	3,590	88.12	14
474,626	11,576	180	41	316,909	7,729	120	3	3,451	1,150	1.31	32	154,266	4,821	58.59	15
182,085	14,007	113	13	107,685	8,283	67	1	2,000	2,000	1.24	9	72,400	8,044	44.89	16
408,800	37,164	101	11	314,700	28,609	78	2	6,000	3,000	1.48	10	88,100	8,810	21.74	17
148,554	5,502	...	27	99,367	3,680	...	3	3,350	1,117	...	24	45,837	1,910	...	18
1,376,536	3,661	165	376	1,155,730	3,074	139	7	1,574	225	0.19	145	219,232	1,512	26.28	19
329,158	2,083	493	158	288,790	1,828	432	1	22	22	0.03	60	40,346	672	60.40	20
257,488	3,388	249	76	222,263	2,925	215	2	250	125	0.24	32	34,975	1,093	33.79	21
204,172	4,439	186	46	175,354	3,812	160	1	40	40	0.04	17	28,778	1,693	26.23	22
197,605	4,296	115	46	161,160	3,503	94	2	962	481	0.56	17	35,483	2,087	20.73	23
208,342	7,716	112	27	171,692	6,359	93	1	300	300	0.16	10	36,350	3,635	19.60	24
112,772	10,252	80	11	81,672	7,425	6	...	...	...	...	6	31,100	5,183	21.98	25
21,500	10,750	38	2	21,500	10,750	38	...	...	...	...	...	...	...	...	26
45,499	4,550	...	10	33,299	3,330	...	...	...	...	...	3	12,200	4,067	...	27
1,481,815	4,049	123	366	1,277,314	3,490	106	13	10,755	827	0.89	105	193,746	1,845	16.09	28
198,331	1,626	401	122	181,341	1,486	366	3	60	20	0.12	31	16,930	546	34.20	29
145,397	3,231	230	45	124,187	2,760	196	2	220	110	0.35	20	20,990	1,050	33.21	30
149,001	3,465	153	43	135,396	3,149	139	...	...	...	...	14	13,605	972	14.01	31
300,883	4,701	127	64	264,163	4,128	112	2	375	188	0.16	15	36,345	2,423	15.36	32
197,176	5,634	83	35	177,976	5,085	75	1	200	200	0.08	8	19,000	2,375	8.00	33
262,300	10,929	82	24	210,200	8,758	66	4	9,700	2,425	3.04	8	42,400	5,300	13.27	34
152,780	16,976	76	9	110,097	12,233	55	1	200	200	0.10	4	42,483	10,621	21.15	35
75,947	3,164	...	24	73,954	3,081	...	...	...	...	...	5	1,993	399	...	36
1,132,779	7,261	145	155	959,877	6,257	124	23	6,752	294	0.86	77	156,150	2,028	19.92	37
110,238	3,242	805	34	72,173	2,123	527	7	1,220	174	8.91	20	36,845	1,842	258.94	38
253,108	7,910	636	31	218,232	7,040	548	9	1,682	187	4.23	15	33,194	2,213	83.40	39
44,875	4,080	167	11	38,450	3,495	143	1	50	50	0.19	5	6,375	1,275	23.70	40
76,670	4,792	148	16	64,045	4,003	124	3	2,200	733	4.26	7	10,425	1,489	20.16	41
264,510	8,015	114	33	232,300	7,039	100	2	600	300	0.26	15	31,610	2,107	13.66	42
216,600	10,830	80	20	182,000	9,100	67	1	1,000	1,000	0.37	10	33,600	3,360	12.43	43
44,000	11,000	49	4	41,200	10,300	46	...	...	...	...	2	2,800	1,400	3.11	44
10,000	10,000	17	1	10,000	10,000	17	...	...	...	...	...	...	...	...	45
112,778	22,556	...	5	111,477	22,295	...	...	...	...	...	3	1,301	434	...	46
3,550,909	9,494	64	365	2,185,188	5,987	39	209	442,677	2,118	7.92	225	923,044	4,102	16.52	47
56,586	1,155	253	41	39,219	957	175	21	1,776	85	7.93	25	15,591	624	69.60	48
49,069	2,337	175	20	33,544	1,677	120	4	695	174	2.48	12	14,830	1,236	52.96	49
131,712	4,116	174	32	90,622	2,832	120	17	14,275	840	18.83	20	26,815	1,341	35.38	50
219,016	5,093	141	43	159,002	3,698	103	8	2,560	320	1.65	19	57,454	3,024	37.07	51
352,578	6,079	93	58	253,979	4,379	67	32	18,224	570	4.83	32	80,375	2,512	21.30	52
658,252	9,825	71	67	442,602	6,606	48	42	65,225	1,553	7.04	37	150,425	4,066	16.24	53
1,170,623	16,488	57	71	707,537	9,965	35	57	185,935	3,262	9.11	57	277,151	4,862	13.57	54
623,186	28,327	46	22	329,402	14,977	24	21	118,412	5,639	8.79	17	175,282	10,311	13.00	55
250,900	83,633	41	3	104,100	34,700	17	2	34,000	17,000	2.77	3	112,800	37,600	18.41	56
38,987	4,874	...	8	25,091	3,136	...	5	1,775	315	...	3	12,321	4,107	...	57

## IRRIGATION IN HUMID AREAS

Table 11.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY LARGEST ACREAGE IRRIGATED IN ANY YEAR, BY STATES: 1955

State and largest acreage irrigated in any year	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Total, 28 States.....	14,541	13,664	545,671	11,997	487,495	646,247	13,662	17,588	6,140
1 to 9 acres.....	4,749	4,440	17,915	3,579	15,053	20,504	4,158	4,622	1,707
10 to 19 acres.....	2,583	2,423	28,004	2,159	25,671	33,856	2,444	2,795	1,197
20 to 29 acres.....	1,707	1,610	32,001	1,472	29,422	39,334	1,662	2,015	819
30 to 49 acres.....	1,790	1,703	53,371	1,555	49,143	65,671	1,760	2,133	818
50 to 99 acres.....	1,853	1,778	101,461	1,643	94,388	123,035	1,837	2,482	812
100 to 199 acres.....	952	923	101,942	827	89,226	122,376	942	1,484	420
200 to 499 acres.....	502	489	115,575	451	101,389	137,162	499	1,102	213
500 to 999 acres.....	108	108	59,196	100	48,113	67,102	103	401	41
1,000 acres and over.....	23	22	29,730	23	27,690	37,207	23	238	6
Not reported.....	274	168	6,476	188	7,400	...	234	316	107
Maine.....	60	33	428	50	1,054	830	50	67	37
1 to 9 acres.....	12	9	32	12	44	45	8	9	4
10 to 19 acres.....	11	9	72	9	102	144	10	11	5
20 to 29 acres.....	6	5	82	6	118	141	6	6	5
50 to 99 acres.....	1	...	...	1	50	50	1	2	1
100 to 199 acres.....	2	1	30	2	175	200	2	3	2
200 to 499 acres.....	1	...	...	1	250	250	1	4	...
Not reported.....	27	9	212	19	315	...	22	32	20
New Hampshire.....	52	48	710	50	956	1,008	39	42	19
1 to 9 acres.....	19	17	59	18	72	75	13	13	4
10 to 19 acres.....	14	14	160	14	180	191	11	11	5
20 to 29 acres.....	7	6	117	6	137	156	6	7	4
30 to 49 acres.....	7	6	161	7	238	241	4	4	3
50 to 99 acres.....	4	4	129	4	204	220	4	4	2
100 to 199 acres.....	1	1	84	1	125	125	1	3	1
Vermont.....	20	17	299	18	321	438	17	19	5
1 to 9 acres.....	7	6	19	7	21	24	6	6	3
10 to 19 acres.....	3	3	40	3	35	44	3	3	1
20 to 29 acres.....	4	4	80	4	71	100	4	4	1
30 to 49 acres.....	2	2	80	1	41	80	2	2	...
50 to 99 acres.....	3	2	80	3	153	190	2	4	...
Not reported.....	1	...	...	...	...	...	...	...	...
Massachusetts.....	478	438	9,627	442	9,895	12,031	357	464	188
1 to 9 acres.....	177	160	685	163	711	811	107	126	60
10 to 19 acres.....	129	117	1,388	115	1,463	1,689	98	114	54
20 to 29 acres.....	60	58	996	57	1,084	1,354	49	62	25
30 to 49 acres.....	50	46	1,381	48	1,565	1,851	46	62	20
50 to 99 acres.....	35	31	1,685	35	1,980	2,176	33	54	13
100 to 199 acres.....	16	15	1,342	14	1,472	1,842	15	27	9
200 to 499 acres.....	7	7	1,611	6	1,334	1,808	7	15	5
500 to 999 acres.....	1	1	500	1	250	500	1	3	1
Not reported.....	3	3	39	3	36	...	1	1	1
Rhode Island.....	36	36	968	30	683	1,204	31	38	15
1 to 9 acres.....	15	15	46	13	38	52	11	12	4
10 to 19 acres.....	5	5	76	5	71	76	4	6	3
20 to 29 acres.....	5	5	91	4	65	118	5	5	3
30 to 49 acres.....	4	4	130	3	87	158	4	4	3
50 to 99 acres.....	2	2	115	2	82	155	2	3	2
100 to 199 acres.....	3	3	280	2	190	420	3	3	...
200 to 499 acres.....	1	1	225	1	150	225	1	3	...
Not reported.....	1	1	5	...	...	...	1	2	...
Connecticut.....	328	301	12,397	309	13,056	14,579	311	434	188
1 to 9 acres.....	86	74	311	77	351	409	74	78	35
10 to 19 acres.....	58	53	692	53	712	792	56	62	29
20 to 29 acres.....	56	55	1,178	54	1,164	1,285	56	67	41
30 to 49 acres.....	46	42	1,437	46	1,582	1,718	45	52	28
50 to 99 acres.....	46	43	2,386	46	2,782	2,978	46	62	25
100 to 199 acres.....	22	22	2,177	21	2,170	2,638	22	43	18
200 to 499 acres.....	5	5	1,200	5	1,065	1,290	5	15	5
500 to 999 acres.....	5	5	2,980	5	3,194	3,469	5	53	5
Not reported.....	4	2	36	2	36	...	2	2	2
New York.....	1,284	1,191	52,467	1,231	58,474	62,474	1,133	1,533	334
1 to 9 acres.....	315	282	955	294	1,062	1,181	223	261	59
10 to 19 acres.....	156	143	1,717	144	1,812	2,025	125	134	46
20 to 29 acres.....	125	112	2,119	122	2,617	2,944	118	156	48
30 to 49 acres.....	202	188	6,395	195	7,030	7,689	192	223	52
50 to 99 acres.....	294	279	16,995	286	18,434	20,155	288	418	71
100 to 199 acres.....	128	126	13,832	128	15,117	16,102	127	217	34
200 to 499 acres.....	43	42	9,070	42	10,577	11,218	42	93	17
500 to 999 acres.....	2	2	700	2	1,160	1,160	2	10	1
Not reported.....	19	17	684	18	665	...	16	21	6

# IRRIGATION IN HUMID AREAS

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Table 11.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY LARGEST ACREAGE IRRIGATED IN ANY YEAR, BY STATES: 1955—Continued

State and largest acreage irrigated in any year	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
New Jersey.....	1,428	1,312	50,855	1,353	57,923	60,830	1,336	1,910	576
1 to 9 acres.....	353	320	1,369	326	1,473	1,476	293	352	82
10 to 19 acres.....	246	222	2,666	235	3,022	3,189	234	296	66
20 to 29 acres.....	167	153	3,132	156	3,329	3,808	160	218	48
30 to 49 acres.....	198	187	6,095	193	6,924	7,363	194	264	109
50 to 99 acres.....	266	254	15,033	259	16,810	18,064	263	367	152
100 to 199 acres.....	124	115	11,842	121	14,040	15,394	124	237	84
200 to 499 acres.....	23	21	4,616	19	4,614	5,759	23	77	13
500 to 999 acres.....	3	3	1,361	3	1,538	1,538	2	7	1
1,000 acres and over.....	2	2	3,231	2	4,239	4,239	2	30	1
Not reported.....	46	35	1,510	39	1,934	...	41	62	20
Pennsylvania.....	669	644	16,792	569	17,524	21,567	629	754	296
1 to 9 acres.....	252	237	900	197	680	1,066	220	256	102
10 to 19 acres.....	113	110	1,282	87	1,038	1,530	109	126	47
20 to 29 acres.....	92	90	1,658	86	1,749	2,103	89	102	40
30 to 49 acres.....	86	85	2,584	81	2,633	3,163	86	97	40
50 to 99 acres.....	87	86	4,478	82	4,614	5,654	87	107	44
100 to 199 acres.....	18	18	1,941	17	1,882	2,387	18	30	13
200 to 499 acres.....	9	9	1,955	9	2,419	2,664	9	19	6
500 to 999 acres.....	1	1	250	1	500	500	1	2	1
1,000 acres and over.....	1	1	1,492	1	1,815	2,500	1	5	...
Not reported.....	10	7	252	8	194	...	9	10	3
Ohio.....	648	616	13,786	575	12,622	16,132	575	746	229
1 to 9 acres.....	271	254	954	239	937	1,099	215	271	77
10 to 19 acres.....	131	126	1,351	117	1,261	1,530	123	150	49
20 to 29 acres.....	68	67	1,361	60	1,099	1,556	65	78	26
30 to 49 acres.....	62	59	1,887	59	1,915	2,269	62	79	26
50 to 99 acres.....	66	65	3,719	57	3,209	4,410	64	96	30
100 to 199 acres.....	23	23	2,202	23	2,245	2,728	23	39	11
200 to 499 acres.....	9	9	2,082	8	1,834	2,398	9	18	3
Not reported.....	18	13	230	12	122	...	14	15	7
Indiana.....	348	340	12,901	262	10,357	14,999	338	445	101
1 to 9 acres.....	167	163	559	115	435	622	158	185	45
10 to 19 acres.....	47	46	522	40	420	606	47	66	11
20 to 29 acres.....	25	24	434	24	485	550	25	33	9
30 to 49 acres.....	34	34	1,139	22	603	1,263	34	45	7
50 to 99 acres.....	28	27	1,555	26	1,416	1,831	28	32	14
100 to 199 acres.....	28	28	3,138	23	2,221	3,772	28	42	10
200 to 499 acres.....	10	10	2,259	7	1,458	2,545	10	19	2
500 to 999 acres.....	2	2	1,200	2	850	1,350	2	4	1
1,000 acres and over.....	1	1	2,034	1	2,460	2,460	1	14	1
Not reported.....	6	5	61	2	9	...	5	5	1
Illinois.....	178	168	5,351	152	4,632	6,097	171	229	41
1 to 9 acres.....	63	59	212	52	183	233	58	72	15
10 to 19 acres.....	40	37	396	35	396	508	39	45	9
20 to 29 acres.....	28	27	686	22	478	695	28	37	4
30 to 49 acres.....	20	19	499	17	352	687	20	27	4
50 to 99 acres.....	13	12	571	13	747	804	13	20	4
100 to 199 acres.....	7	7	706	6	650	915	7	9	2
200 to 499 acres.....	4	4	1,055	4	995	1,055	4	15	3
1,000 acres and over.....	1	1	1,200	1	800	1,200	1	2	...
Not reported.....	2	2	26	2	31	...	1	2	...
Wisconsin.....	295	266	10,490	273	12,835	13,514	289	370	99
1 to 9 acres.....	91	83	327	84	327	400	87	100	21
10 to 19 acres.....	45	44	460	39	419	590	45	52	13
20 to 29 acres.....	29	28	429	25	436	655	28	32	13
30 to 49 acres.....	34	33	871	32	1,013	1,235	33	35	15
50 to 99 acres.....	33	31	1,465	32	1,773	2,220	33	44	15
100 to 199 acres.....	22	20	2,027	21	2,312	2,927	22	39	7
200 to 499 acres.....	21	21	4,666	21	4,772	5,487	21	43	4
Not reported.....	20	6	245	19	1,783	...	20	25	11
Michigan.....	1,168	1,040	20,605	1,072	23,931	27,768	1,132	1,365	447
1 to 9 acres.....	378	336	1,416	344	1,537	1,726	350	389	118
10 to 19 acres.....	287	250	2,776	261	3,247	3,811	286	331	121
20 to 29 acres.....	187	168	3,111	175	3,624	4,252	185	229	75
30 to 49 acres.....	143	128	3,563	133	4,266	5,213	141	173	58
50 to 99 acres.....	105	100	4,952	102	5,737	6,590	104	151	46
100 to 199 acres.....	41	40	3,903	40	4,519	5,161	40	56	17
200 to 499 acres.....	2	2	295	2	515	515	2	4	1
500 to 999 acres.....	1	1	176	1	118	500	1	3	1
Not reported.....	24	15	413	14	368	...	23	29	10

## IRRIGATION IN HUMID AREAS

Table 11.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY LARGEST ACREAGE IRRIGATED IN ANY YEAR, BY STATES: 1955—Continued

State and largest acreage irrigated in any year	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Minnesota.....	273	254	7,423	246	7,392	9,168	264	382	23
1 to 9 acres.....	84	77	286	74	263	349	77	88	6
10 to 19 acres.....	37	35	364	33	356	481	37	49	3
20 to 29 acres.....	32	31	606	31	670	758	32	42	4
30 to 49 acres.....	40	38	1,110	38	1,176	1,477	40	60	3
50 to 99 acres.....	54	51	2,942	49	3,194	3,698	54	100	4
100 to 199 acres.....	15	15	1,582	13	1,228	1,945	14	25	3
200 to 499 acres.....	2	2	450	2	450	460	2	5	...
Not reported.....	9	5	83	6	55	...	8	13	...
Iowa.....	101	83	1,996	95	2,838	2,912	96	141	15
1 to 9 acres.....	20	20	99	20	109	116	16	20	2
10 to 19 acres.....	21	20	214	18	212	287	20	28	6
20 to 29 acres.....	13	12	227	12	228	289	13	18	3
30 to 49 acres.....	13	11	282	12	382	464	13	18	2
50 to 99 acres.....	13	13	591	12	715	866	13	14	2
100 to 199 acres.....	3	3	380	3	375	450	3	6	...
200 to 499 acres.....	2	2	180	2	440	440	2	8	...
Not reported.....	16	2	23	16	377	...	16	29	...
Missouri.....	580	558	33,315	418	21,355	36,822	521	639	115
1 to 9 acres.....	129	122	466	98	353	521	86	94	30
10 to 19 acres.....	73	71	818	49	483	900	64	73	19
20 to 29 acres.....	63	62	1,292	39	801	1,453	61	68	14
30 to 49 acres.....	67	63	2,010	46	1,440	2,477	66	74	14
50 to 99 acres.....	116	112	6,467	83	4,231	7,664	116	134	19
100 to 199 acres.....	78	77	9,743	60	5,861	10,703	77	100	8
200 to 499 acres.....	39	39	9,494	32	5,682	10,239	39	72	10
500 to 999 acres.....	5	5	2,785	5	2,238	2,865	5	15	...
Not reported.....	10	7	240	6	266	...	7	9	1
Delaware.....	62	59	5,180	58	6,343	6,467	62	77	39
1 to 9 acres.....	4	3	14	3	14	18	4	5	3
10 to 19 acres.....	3	3	38	2	28	39	3	3	2
20 to 29 acres.....	2	2	37	2	45	45	2	3	1
30 to 49 acres.....	5	4	150	5	192	193	5	5	3
50 to 99 acres.....	11	11	574	11	702	754	11	15	7
100 to 199 acres.....	26	26	2,624	24	3,121	3,277	26	30	17
200 to 499 acres.....	10	9	1,623	10	2,141	2,141	10	15	5
Not reported.....	1	1	120	1	100	...	1	1	1
Maryland.....	173	153	7,247	150	8,133	9,663	164	199	92
1 to 9 acres.....	49	42	137	42	134	171	44	49	16
10 to 19 acres.....	18	16	202	15	193	241	17	19	12
20 to 29 acres.....	22	22	461	17	320	535	22	25	15
30 to 49 acres.....	27	23	704	24	756	1,014	26	27	11
50 to 99 acres.....	28	26	1,672	26	1,636	1,830	28	34	17
100 to 199 acres.....	14	13	1,303	13	1,190	1,652	14	16	10
200 to 499 acres.....	11	10	2,168	11	3,100	3,420	11	19	10
500 to 999 acres.....	1	1	600	1	800	800	1	9	1
Not reported.....	3	...	...	1	4	...	1	1	...
Virginia.....	545	522	22,887	426	16,465	24,738	537	630	322
1 to 9 acres.....	165	159	701	123	516	755	158	173	87
10 to 19 acres.....	89	86	1,092	71	812	1,149	88	93	56
20 to 29 acres.....	59	56	1,208	47	783	1,364	59	71	44
30 to 49 acres.....	71	67	2,309	53	1,535	2,600	71	84	39
50 to 99 acres.....	85	80	5,120	69	3,742	5,652	85	99	52
100 to 199 acres.....	54	53	6,507	43	4,614	6,933	54	61	30
200 to 499 acres.....	16	16	4,333	16	3,953	4,675	16	38	11
500 to 999 acres.....	1	1	610	1	200	610	1	2	1
1,000 acres and over.....	1	1	1,000	1	300	1,000	1	3	...
Not reported.....	4	3	7	2	10	...	4	6	2
West Virginia.....	29	29	1,104	26	973	1,176	26	31	10
1 to 9 acres.....	8	8	35	7	33	36	6	6	4
10 to 19 acres.....	6	6	64	6	68	80	5	6	2
20 to 29 acres.....	2	2	35	2	35	40	2	2	1
30 to 49 acres.....	7	7	278	6	159	292	7	7	1
50 to 99 acres.....	3	3	160	2	118	168	3	4	1
100 to 199 acres.....	2	2	222	2	250	250	2	4	1
200 to 499 acres.....	1	1	310	1	310	310	1	2	...

# IRRIGATION IN HUMID AREAS

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Table 11.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY LARGEST ACREAGE IRRIGATED IN ANY YEAR, BY STATES: 1955—Continued

State and largest acreage irrigated in any year	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
North Carolina.....	1,590	1,547	27,135	1,197	21,350	30,874	1,559	1,752	1,073
1 to 9 acres.....	691	677	3,098	434	2,087	3,407	665	699	385
10 to 19 acres.....	405	394	4,583	342	4,023	5,352	403	443	309
20 to 29 acres.....	193	186	3,829	173	3,431	4,488	192	228	153
30 to 49 acres.....	173	171	5,421	148	4,167	6,154	173	202	133
50 to 99 acres.....	87	85	4,607	77	3,462	5,477	87	113	66
100 to 199 acres.....	17	17	1,827	11	1,069	2,132	17	26	11
200 to 499 acres.....	10	10	2,518	9	2,194	2,654	10	26	7
500 to 999 acres.....	2	2	1,190	2	896	1,210	2	5	2
Not reported.....	12	5	62	1	21	...	10	10	7
South Carolina.....	494	475	21,524	350	16,504	25,901	474	612	367
1 to 9 acres.....	105	100	463	66	312	536	97	108	74
10 to 19 acres.....	100	95	1,039	71	865	1,336	96	107	77
20 to 29 acres.....	74	73	1,387	56	1,128	1,734	73	91	54
30 to 49 acres.....	82	80	2,291	62	1,877	2,960	82	104	56
50 to 99 acres.....	65	63	3,738	46	2,574	4,366	65	80	53
100 to 199 acres.....	34	33	3,898	21	1,871	4,378	31	54	28
200 to 499 acres.....	20	18	4,369	16	3,304	5,376	20	48	15
500 to 999 acres.....	5	5	2,169	5	2,150	3,000	2	4	3
1,000 acres and over.....	2	2	1,815	2	2,215	2,215	2	9	1
Not reported.....	7	6	355	5	208	...	6	7	6
Georgia.....	857	801	24,681	734	25,271	32,581	828	1,008	649
1 to 9 acres.....	287	265	1,177	225	1,078	1,452	265	282	209
10 to 19 acres.....	170	155	1,689	148	1,788	2,235	166	180	130
20 to 29 acres.....	116	107	2,009	106	2,199	2,663	114	131	92
30 to 49 acres.....	113	109	2,995	104	3,377	4,051	113	145	93
50 to 99 acres.....	93	92	4,361	83	4,391	5,905	93	122	70
100 to 199 acres.....	43	41	3,942	39	4,270	5,440	42	72	29
200 to 499 acres.....	23	21	5,025	20	4,925	6,180	23	44	17
500 to 999 acres.....	6	6	3,040	5	2,805	3,655	6	21	5
1,000 acres and over.....	1	1	150	1	150	1,000	1	5	...
Not reported.....	5	4	293	3	288	...	5	6	4
Kentucky.....	829	802	13,351	449	6,313	15,204	799	847	257
1 to 9 acres.....	445	432	1,676	201	788	1,757	418	432	123
10 to 19 acres.....	140	136	1,698	87	838	1,851	138	144	44
20 to 29 acres.....	81	78	1,689	50	767	1,861	81	85	26
30 to 49 acres.....	85	84	2,816	61	1,315	3,108	85	90	29
50 to 99 acres.....	47	44	2,605	31	1,159	3,075	47	56	18
100 to 199 acres.....	18	18	2,058	15	996	2,271	18	22	11
200 to 499 acres.....	5	4	747	3	445	1,281	5	11	3
Not reported.....	8	6	62	1	5	...	7	7	3
Tennessee.....	777	712	23,000	558	16,819	27,145	757	836	193
1 to 9 acres.....	344	313	1,076	211	756	1,245	328	344	67
10 to 19 acres.....	87	81	876	67	774	1,123	84	88	29
20 to 29 acres.....	82	72	1,508	69	1,357	1,886	82	88	26
30 to 49 acres.....	96	90	2,872	76	1,915	3,449	95	101	25
50 to 99 acres.....	83	79	4,691	69	3,313	5,663	83	90	16
100 to 199 acres.....	46	42	4,902	35	2,914	5,685	46	59	15
200 to 499 acres.....	26	25	5,890	23	4,330	6,974	26	46	14
500 to 999 acres.....	2	2	825	2	1,120	1,120	2	6	...
Not reported.....	11	8	360	6	340	...	11	14	1
Alabama.....	330	322	15,409	266	12,641	18,353	316	427	145
1 to 9 acres.....	74	73	288	57	213	315	70	78	22
10 to 19 acres.....	55	54	607	41	470	692	50	63	21
20 to 29 acres.....	31	29	599	27	505	702	28	38	18
30 to 49 acres.....	43	43	1,240	35	1,110	1,541	43	53	18
50 to 99 acres.....	71	69	4,142	57	3,127	4,859	71	104	34
100 to 199 acres.....	37	37	4,212	32	3,430	4,896	37	54	20
200 to 499 acres.....	15	14	3,283	15	3,193	4,158	14	33	10
500 to 999 acres.....	2	2	1,035	1	590	1,190	2	3	1
Not reported.....	2	1	3	1	3	...	1	1	1
Mississippi.....	909	897	133,743	638	100,835	151,772	851	1,591	265
1 to 9 acres.....	138	134	555	77	526	607	101	114	50
10 to 19 acres.....	94	92	1,122	52	583	1,223	83	92	28
20 to 29 acres.....	78	76	1,640	40	697	1,799	77	89	26
30 to 49 acres.....	80	80	2,671	48	1,493	2,961	78	96	26
50 to 99 acres.....	114	114	6,628	80	4,033	7,561	113	153	34
100 to 199 acres.....	130	127	15,238	97	10,919	17,753	129	207	29
200 to 499 acres.....	187	187	46,151	166	36,939	53,640	186	410	52
500 to 999 acres.....	69	69	39,775	63	29,704	43,635	68	254	17
1,000 acres and over.....	14	13	18,808	14	15,711	22,593	14	170	3
Not reported.....	5	5	1,155	1	230	...	2	6	...

## IRRIGATION IN HUMID AREAS

Table 12.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS.

[Data on cost of irrigation systems were reported only for farms

	State and largest acreage irrigated in any year	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Total, 28 States.....	6,414	6,085	245,928	5,541	220,082	295,154	6,207	7,530	3,165
2	1 to 9 acres.....	1,644	1,546	6,686	1,351	6,088	7,718	1,511	1,639	765
3	10 to 19 acres.....	1,155	1,087	12,490	1,017	12,359	15,334	1,118	1,216	637
4	20 to 29 acres.....	866	813	15,954	762	15,177	20,000	854	976	474
5	30 to 49 acres.....	997	957	29,706	881	27,563	36,512	986	1,124	474
6	50 to 99 acres.....	979	949	53,742	868	49,442	65,294	973	1,194	463
7	100 to 199 acres.....	469	456	49,896	399	42,288	60,159	464	661	214
8	200 to 499 acres.....	203	197	45,283	179	37,988	54,256	203	417	88
9	500 to 999 acres.....	39	39	21,528	36	18,273	25,278	39	161	19
10	1,000 acres and over.....	6	6	9,192	6	9,070	10,603	6	76	3
11	Not reported.....	56	35	1,451	42	1,834	...	53	66	28
12	Maine.....	24	16	138	22	416	483	20	23	14
13	1 to 9 acres.....	9	5	17	8	28	30	6	7	4
14	10 to 19 acres.....	8	7	56	7	86	109	7	7	4
15	20 to 29 acres.....	4	3	35	4	77	94	4	4	3
16	30 to 49 acres.....	1	...	...	1	50	50	1	2	1
17	100 to 199 acres.....	2	1	30	2	175	200	2	3	2
18	New Hampshire.....	31	30	510	30	685	718	28	31	15
19	1 to 9 acres.....	10	10	37	9	33	36	9	9	4
20	10 to 19 acres.....	6	6	68	6	72	84	6	6	2
21	20 to 29 acres.....	5	5	101	5	112	111	5	6	3
22	30 to 49 acres.....	6	5	128	6	199	202	4	4	3
23	50 to 99 acres.....	3	3	92	3	144	160	3	3	2
24	100 to 199 acres.....	1	1	84	1	125	125	1	3	1
25	Vermont.....	14	14	267	13	275	341	14	16	4
26	1 to 9 acres.....	4	4	12	4	10	12	4	4	2
27	10 to 19 acres.....	3	3	40	3	35	44	3	3	1
28	20 to 29 acres.....	3	3	55	3	59	75	3	3	1
29	30 to 49 acres.....	2	2	80	1	41	80	2	2	...
30	50 to 99 acres.....	2	2	80	2	130	130	2	4	...
31	Massachusetts.....	217	199	3,982	205	4,462	5,343	177	213	102
32	1 to 9 acres.....	71	64	280	69	310	335	51	60	36
33	10 to 19 acres.....	62	55	681	54	720	823	51	56	33
34	20 to 29 acres.....	31	30	544	30	577	703	26	30	14
35	30 to 49 acres.....	25	25	797	25	855	942	23	28	9
36	50 to 99 acres.....	18	16	720	18	902	1,131	18	27	6
37	100 to 199 acres.....	8	7	765	7	828	1,009	6	9	3
38	200 to 499 acres.....	2	2	195	2	270	400	2	3	1
39	Rhode Island.....	17	17	535	15	377	633	16	21	7
40	1 to 9 acres.....	6	6	20	5	19	23	6	7	1
41	10 to 19 acres.....	2	2	37	2	32	37	1	2	1
42	20 to 29 acres.....	4	4	63	4	65	97	4	4	1
43	30 to 49 acres.....	2	2	75	1	29	96	2	2	2
44	50 to 99 acres.....	2	2	115	2	82	155	2	3	2
45	200 to 499 acres.....	1	1	225	1	150	225	1	3	...
46	Connecticut.....	161	151	5,924	155	6,161	6,679	158	208	98
47	1 to 9 acres.....	36	32	127	33	138	173	33	35	21
48	10 to 19 acres.....	29	27	350	27	363	408	29	29	13
49	20 to 29 acres.....	32	32	684	32	703	737	32	40	25
50	30 to 49 acres.....	27	26	894	27	990	1,006	27	30	14
51	50 to 99 acres.....	25	23	1,304	25	1,481	1,659	25	31	14
52	100 to 199 acres.....	7	7	750	7	687	832	7	10	6
53	200 to 499 acres.....	1	1	300	1	200	300	1	4	1
54	500 to 999 acres.....	2	2	1,480	2	1,564	1,564	2	27	2
55	Not reported.....	2	1	35	1	35	...	2	2	2
56	New York.....	467	434	16,596	449	18,390	20,078	422	512	169
57	1 to 9 acres.....	93	84	300	89	353	373	70	76	32
58	10 to 19 acres.....	64	58	654	59	726	839	52	60	19
59	20 to 29 acres.....	52	45	800	50	1,052	1,202	50	58	30
60	30 to 49 acres.....	87	81	2,691	85	3,106	3,302	83	91	28
61	50 to 99 acres.....	120	116	6,938	115	7,261	8,173	117	154	40
62	100 to 199 acres.....	43	42	4,301	43	4,985	5,324	43	65	17
63	200 to 499 acres.....	4	4	820	4	830	865	4	5	1
64	Not reported.....	4	4	92	4	77	...	3	3	2

# IRRIGATION IN HUMID AREAS

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## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY LARGEST ACREAGE IRRIGATED IN ANY YEAR, BY STATES: 1955

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
35,545,680	5,542	145	6,382	27,477,344	4,305	112	693	826,488	1,193	3.36	3,896	7,241,848	1,859	29.45	1
3,222,250	1,960	482	1,625	2,503,083	1,540	374	127	42,124	332	6.30	912	677,043	742	101.26	2
4,024,308	3,484	322	1,149	3,144,504	2,737	252	89	34,723	278	2.78	744	845,081	1,136	67.66	3
3,780,446	4,365	237	863	2,908,926	3,371	182	84	43,018	512	2.70	541	828,502	1,531	51.93	4
5,278,628	5,295	178	996	4,127,888	4,144	182	80	53,702	671	1.81	577	1,097,038	1,901	36.93	5
7,612,886	7,776	142	979	6,167,214	6,300	115	101	84,695	839	1.58	602	1,360,977	2,261	25.32	6
5,293,631	11,287	106	467	4,137,513	8,860	83	91	144,219	1,585	2.89	306	1,011,899	3,307	20.28	7
3,680,900	18,133	81	203	2,812,328	13,854	62	85	174,847	2,057	3.86	143	693,725	4,851	15.32	8
1,770,455	45,396	82	39	1,130,918	28,998	53	28	185,755	6,634	8.63	30	453,782	15,126	21.08	9
511,900	85,317	56	6	255,100	42,517	28	4	61,000	15,250	6.64	6	195,800	32,633	21.30	10
370,276	6,612	255	55	289,870	5,270	200	4	2,405	601	1.66	35	78,001	2,229	53.76	11
66,866	2,786	485	23	57,011	2,479	413	1	600	600	4.35	14	9,255	661	67.07	12
7,015	779	413	8	5,395	674	317	1	600	600	35.29	4	1,020	255	60.00	13
18,735	2,342	335	8	15,300	1,912	273	...	...	...	...	4	3,435	859	61.34	14
9,816	2,454	280	4	8,816	2,204	252	...	...	...	...	3	1,000	333	28.57	15
5,500	5,500	...	1	5,000	5,000	...	...	...	...	...	1	500	500	...	16
25,800	12,900	860	2	22,500	11,250	750	...	...	...	...	2	3,300	1,650	110.00	17
88,468	2,854	173	30	68,898	2,297	135	6	2,081	347	4.08	15	17,489	1,166	34.29	18
11,530	1,153	312	9	8,395	933	227	4	931	233	25.16	4	2,204	551	59.57	19
11,275	1,879	166	6	11,040	1,840	162	...	...	...	...	2	235	118	3.46	20
18,500	3,700	183	5	13,150	2,630	130	...	...	...	...	3	5,350	1,783	52.97	21
17,800	2,967	139	6	12,800	2,133	100	1	1,000	1,000	7.81	3	4,000	1,333	31.25	22
16,463	5,488	179	3	13,513	4,504	147	1	150	150	1.63	2	2,800	1,400	30.43	23
12,900	12,900	154	1	10,000	10,000	119	...	...	...	...	1	2,900	2,900	34.52	24
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60	25
6,983	1,746	582	4	6,513	1,628	543	...	...	...	...	2	470	235	39.17	26
7,625	2,542	191	3	7,600	2,533	190	...	...	...	...	1	25	25	0.62	27
6,200	2,067	113	3	5,200	1,733	95	...	...	...	...	2	1,000	500	18.18	28
4,800	2,400	60	2	4,800	2,400	60	...	...	...	...	...	...	...	...	29
4,400	2,200	55	2	4,400	2,200	55	...	...	...	...	...	...	...	...	30
731,941	3,373	184	215	620,932	2,888	156	24	21,891	912	5.50	112	89,118	796	22.38	31
92,209	1,299	329	70	74,929	1,070	268	7	1,861	266	6.65	41	15,419	376	55.07	32
136,257	2,198	200	62	114,944	1,847	168	7	2,330	333	3.42	35	19,383	554	28.46	33
95,727	3,088	176	31	85,806	2,768	158	2	250	125	0.46	16	9,671	604	17.78	34
118,250	4,730	148	24	96,455	4,019	121	4	3,100	775	3.89	9	18,695	2,077	23.46	35
118,754	6,597	165	18	110,054	6,114	153	2	3,350	1,675	4.65	6	5,350	892	7.43	36
102,744	12,843	134	8	77,144	9,643	101	1	10,000	10,000	13.07	4	15,600	3,900	20.39	37
68,000	34,000	349	2	62,000	31,000	318	1	1,000	1,000	5.13	1	5,000	5,000	25.64	38
63,525	3,737	119	17	54,045	3,179	101	...	...	...	...	8	9,480	1,185	17.72	39
8,655	1,442	433	6	7,575	1,262	379	...	...	...	...	2	1,080	540	54.00	40
6,100	3,050	165	2	5,700	2,850	154	...	...	...	...	1	400	400	10.81	41
14,230	3,558	226	4	11,230	2,808	178	...	...	...	...	1	3,000	3,000	47.62	42
6,750	3,375	90	2	5,500	2,750	73	...	...	...	...	2	1,250	625	16.67	43
20,250	10,125	176	2	16,500	8,250	143	...	...	...	...	2	3,750	1,875	32.61	44
7,540	7,540	34	1	7,540	7,540	34	...	...	...	...	...	...	...	...	45
1,279,209	7,945	216	160	1,020,923	6,381	172	21	15,500	738	2.62	101	242,786	2,404	40.98	46
57,295	1,592	451	35	41,589	1,188	327	1	100	100	0.79	22	15,606	709	122.88	47
99,024	3,415	283	29	83,613	2,883	239	5	1,950	390	5.57	13	13,461	1,035	38.46	48
129,175	4,037	189	32	106,586	3,331	156	6	2,650	442	3.87	25	19,939	798	29.15	49
148,415	5,497	166	27	127,315	4,715	142	5	4,050	810	4.53	16	17,050	1,066	19.07	50
227,752	9,110	175	25	191,972	7,679	147	3	2,550	850	1.96	14	33,230	2,374	25.48	51
125,500	17,929	167	7	95,300	13,614	127	1	4,200	4,200	5.60	6	26,000	4,333	34.67	52
50,000	50,000	167	1	30,000	30,000	100	...	...	...	...	1	20,000	20,000	66.67	53
428,548	214,274	290	2	336,048	168,024	227	...	...	...	...	2	92,500	46,250	62.50	54
13,500	6,750	386	2	8,500	4,250	243	...	...	...	...	2	5,000	2,500	142.86	55
2,560,967	5,484	154	467	2,099,369	4,495	126	26	29,961	1,152	1.81	301	431,637	1,434	26.01	56
132,794	1,428	443	93	105,053	1,130	350	7	3,660	523	12.20	49	24,081	491	80.27	57
185,027	2,891	283	64	146,975	2,296	225	5	5,468	1,094	8.36	34	32,584	958	49.82	58
186,513	3,587	233	52	155,841	2,997	195	5	979	196	1.22	35	29,693	848	37.12	59
441,359	5,073	164	87	362,366	4,165	135	2	580	260	0.19	59	78,473	1,330	29.16	60
998,346	8,320	144	120	815,911	6,799	118	3	3,900	1,300	0.56	89	178,535	2,006	25.73	61
542,903	12,626	126	43	445,573	10,362	104	4	15,434	3,858	3.59	31	81,896	2,642	19.04	62
65,450	16,362	80	4	59,750	14,938	73	...	...	...	...	2	5,700	2,850	6.95	63
8,575	2,144	93	4	7,900	1,975	86	...	...	...	...	2	675	338	7.34	64

## IRRIGATION IN HUMID AREAS

Table 12.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS, BY STATES:

[Data on cost of irrigation systems were reported only for farms

	State and largest acreage irrigated in any year	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	New Jersey.....	560	520	20,343	541	24,339	24,291	540	683	328
2	1 to 9 acres.....	104	96	405	96	430	460	88	99	48
3	10 to 19 acres.....	68	60	704	66	894	911	68	81	31
4	20 to 29 acres.....	62	58	1,161	59	1,306	1,443	61	80	30
5	30 to 49 acres.....	104	95	2,992	104	3,743	3,890	103	123	62
6	50 to 99 acres.....	140	136	8,040	138	9,405	9,479	138	169	97
7	100 to 199 acres.....	60	58	5,713	58	6,646	7,198	60	92	44
8	200 to 499 acres.....	4	4	685	4	910	910	4	11	4
9	Not reported.....	18	13	643	16	1,005	...	18	28	12
10	Pennsylvania.....	277	266	7,681	263	8,398	9,502	272	304	134
11	1 to 9 acres.....	65	60	260	59	232	306	60	72	38
12	10 to 19 acres.....	41	39	466	39	496	564	41	42	21
13	20 to 29 acres.....	47	46	835	46	984	1,076	47	52	17
14	30 to 49 acres.....	58	57	1,782	55	1,728	2,144	58	65	25
15	50 to 99 acres.....	55	55	2,884	54	3,239	3,567	55	57	27
16	100 to 199 acres.....	5	5	497	5	595	607	5	7	3
17	200 to 499 acres.....	4	4	957	4	1,123	1,238	4	7	3
18	Not reported.....	2	...	...	1	1	...	2	2	...
19	Ohio.....	225	216	5,193	195	4,521	5,944	218	258	97
20	1 to 9 acres.....	83	77	307	71	323	372	78	96	35
21	10 to 19 acres.....	41	41	442	37	401	511	40	44	20
22	20 to 29 acres.....	29	28	616	24	463	659	29	31	14
23	30 to 49 acres.....	27	26	813	25	806	989	27	31	12
24	50 to 99 acres.....	30	30	1,659	25	1,338	2,013	30	38	10
25	100 to 199 acres.....	8	8	937	8	957	990	8	12	5
26	200 to 499 acres.....	2	2	392	1	201	410	2	2	...
27	Not reported.....	5	4	27	4	32	...	4	4	1
28	Indiana.....	120	118	7,283	94	5,857	8,416	118	150	40
29	1 to 9 acres.....	40	40	139	31	132	159	38	38	15
30	10 to 19 acres.....	9	8	102	6	80	127	9	10	3
31	20 to 29 acres.....	13	12	216	12	238	291	13	13	7
32	30 to 49 acres.....	19	19	657	13	317	741	19	25	2
33	50 to 99 acres.....	17	17	1,028	16	834	1,123	17	20	7
34	100 to 199 acres.....	17	17	1,907	13	1,171	2,290	17	24	4
35	200 to 499 acres.....	4	4	1,200	2	625	1,225	4	6	1
36	1,000 acres and over.....	1	1	2,034	1	2,460	2,460	1	14	1
37	Illinois.....	66	61	1,404	53	1,258	1,663	64	82	21
38	1 to 9 acres.....	20	19	76	16	64	84	19	28	7
39	10 to 19 acres.....	16	14	146	13	164	204	15	16	4
40	20 to 29 acres.....	11	10	235	9	173	244	11	13	3
41	30 to 49 acres.....	12	12	430	8	230	457	12	16	3
42	50 to 99 acres.....	4	3	141	4	232	229	4	6	3
43	100 to 199 acres.....	3	3	376	3	395	445	3	3	1
44	Wisconsin.....	133	125	4,615	121	5,072	6,147	132	154	48
45	1 to 9 acres.....	35	31	127	31	128	157	35	35	12
46	10 to 19 acres.....	27	27	281	24	260	361	27	29	7
47	20 to 29 acres.....	11	11	164	10	144	251	11	11	6
48	30 to 49 acres.....	21	21	566	19	590	762	20	20	9
49	50 to 99 acres.....	17	16	731	17	990	1,166	17	20	9
50	100 to 199 acres.....	9	9	1,020	8	838	1,245	9	17	2
51	200 to 499 acres.....	9	9	1,724	9	2,053	2,205	9	18	2
52	Not reported.....	4	1	2	3	69	...	4	4	1
53	Michigan.....	547	502	9,832	512	11,545	13,638	539	621	257
54	1 to 9 acres.....	156	142	625	144	720	748	151	164	64
55	10 to 19 acres.....	138	125	1,360	132	1,677	1,824	137	152	71
56	20 to 29 acres.....	101	89	1,577	93	1,888	2,307	100	115	46
57	30 to 49 acres.....	78	74	2,009	73	2,336	2,833	78	92	38
58	50 to 99 acres.....	51	51	2,399	49	2,740	3,256	50	67	25
59	100 to 199 acres.....	15	15	1,460	15	1,723	1,895	15	20	9
60	200 to 499 acres.....	1	1	175	1	275	275	1	2	...
61	500 to 999 acres.....	1	1	176	1	118	500	1	3	1
62	Not reported.....	6	4	51	4	68	...	6	6	3

# IRRIGATION IN HUMID AREAS

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## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY LARGEST ACREAGE IRRIGATED IN ANY YEAR,

1955--Continued

reporting irrigation beginning in 1946 or later. See text.]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
3,699,940	6,536	180	559	3,000,933	5,368	148	80	48,387	605	2.38	409	610,620	1,493	30.02	1
160,781	1,546	397	104	119,872	1,153	296	11	4,265	388	10.53	64	36,644	573	90.48	2
220,929	3,249	314	68	186,560	2,744	265	13	5,885	453	8.36	46	28,484	619	40.46	3
260,319	4,199	224	62	225,118	3,631	194	8	2,970	371	2.56	38	32,231	848	27.76	4
576,671	5,545	193	104	472,600	4,544	158	16	9,813	613	3.28	77	94,258	1,224	31.50	5
1,229,467	8,782	153	140	1,033,605	7,383	129	20	12,258	613	1.52	111	183,604	1,654	22.84	6
879,814	14,664	154	59	700,253	11,869	123	12	13,196	1,100	2.31	52	166,365	3,199	29.12	7
108,599	27,150	159	4	94,647	23,662	138	...	...	...	...	4	13,952	3,488	20.37	8
223,360	12,409	347	18	168,278	9,349	262	...	...	...	...	17	55,082	3,240	85.66	9
1,227,710	4,432	160	277	1,058,772	3,822	138	11	3,051	277	0.40	143	165,887	1,160	21.60	10
106,380	1,637	409	65	81,455	1,253	313	4	968	242	3.72	39	23,957	614	92.14	11
130,569	3,185	280	41	111,531	2,720	239	2	90	45	0.19	23	18,948	824	40.66	12
159,746	3,399	191	47	142,653	3,035	171	3	1,718	573	2.06	18	15,375	854	18.41	13
265,388	4,576	149	58	229,706	3,960	129	2	275	138	0.15	29	35,407	1,221	19.87	14
359,212	6,531	125	55	312,112	5,675	108	...	...	...	...	28	47,100	1,682	16.33	15
90,450	18,090	182	5	83,350	16,670	168	...	...	...	...	3	7,100	2,367	14.29	16
115,500	20,875	121	4	97,500	24,375	102	...	...	...	...	3	18,000	6,000	18.81	17
465	232	...	2	465	232	...	...	...	...	...	...	...	...	...	18
932,641	4,145	180	225	729,121	3,241	140	11	13,280	1,207	2.56	132	190,240	1,441	36.63	19
156,024	1,880	508	83	108,017	1,301	352	5	7,330	1,466	23.88	49	40,677	830	132.50	20
135,020	3,293	305	41	109,951	2,682	249	2	450	225	1.02	25	24,619	985	55.70	21
94,744	3,267	154	29	76,652	2,643	124	1	1,000	1,000	1.62	15	17,092	1,139	27.75	22
176,617	6,541	217	27	138,771	5,140	171	...	...	...	...	16	37,846	2,365	46.55	23
245,952	8,198	148	30	202,970	6,766	122	1	500	500	0.30	17	42,482	2,499	25.61	24
91,370	11,421	98	8	63,970	7,996	68	1	3,000	3,000	3.20	8	24,400	3,050	26.04	25
21,000	10,500	54	2	20,000	10,000	51	...	...	...	...	1	1,000	1,000	2.55	26
11,914	2,383	441	5	8,790	1,758	326	1	1,000	1,000	37.04	1	2,124	2,124	78.67	27
763,815	6,365	105	120	643,216	5,360	88	4	5,550	1,388	0.76	73	115,049	1,576	15.80	28
60,863	1,522	438	40	50,973	1,274	367	...	...	...	...	25	9,890	396	71.15	29
30,156	3,351	296	9	25,692	2,855	252	...	...	...	...	6	4,464	744	43.76	30
46,030	3,541	213	13	39,950	3,073	185	1	50	50	0.23	9	6,030	670	27.92	31
81,956	4,313	125	19	75,646	3,981	115	...	...	...	...	9	6,310	701	9.60	32
110,435	6,496	107	17	102,155	6,009	99	...	...	...	...	10	8,280	828	8.05	33
161,375	9,493	85	17	129,300	7,606	68	3	5,500	1,833	2.88	12	26,575	2,215	13.94	34
87,000	21,750	72	4	83,500	20,875	70	...	...	...	...	1	3,500	3,500	2.92	35
186,000	186,000	91	1	136,000	136,000	67	...	...	...	...	1	50,000	50,000	24.58	36
274,312	4,156	195	66	227,311	3,444	162	3	400	133	0.28	37	46,601	1,259	33.19	37
24,202	1,210	318	20	16,430	822	216	1	50	50	0.66	13	7,722	594	101.61	38
60,538	3,784	415	16	53,824	3,364	369	1	50	50	0.34	8	6,664	833	45.64	39
57,050	5,186	243	11	48,800	4,436	208	1	300	300	1.28	5	7,950	1,590	33.83	40
53,445	4,454	124	12	43,000	3,583	100	...	...	...	...	5	10,445	2,089	24.29	41
37,577	9,394	267	4	29,257	7,314	207	...	...	...	...	4	8,320	2,080	59.01	42
41,500	13,833	110	3	36,000	12,000	96	...	...	...	...	2	5,500	2,750	14.63	43
702,669	5,283	152	133	626,048	4,707	136	8	5,410	676	1.17	68	71,211	1,047	15.43	44
48,694	1,391	383	35	43,770	1,251	345	2	330	165	2.60	16	4,594	287	36.17	45
74,334	2,753	265	27	60,496	2,241	215	1	600	600	2.14	15	13,238	883	47.11	46
43,352	3,941	264	11	38,202	3,473	233	...	...	...	...	7	5,150	736	31.40	47
80,258	3,822	142	21	68,631	3,268	121	3	2,380	793	4.20	10	9,247	925	16.34	48
114,181	6,717	156	17	99,114	5,830	136	...	...	...	...	11	15,067	1,370	20.61	49
124,150	13,794	122	9	110,750	12,306	109	...	...	...	...	4	13,400	3,350	13.14	50
203,700	22,633	118	9	191,900	21,322	111	1	1,500	1,500	0.87	3	10,300	3,433	5.97	51
14,000	3,500	7,000	4	13,185	3,296	6,592	1	600	600	300.00	2	215	108	107.50	52
2,243,235	4,101	228	545	1,921,974	3,527	195	43	41,196	958	4.19	329	280,065	851	28.49	53
305,395	1,958	489	156	269,733	1,729	432	13	7,053	543	11.28	82	28,609	349	45.77	54
391,265	2,835	288	137	333,706	2,436	245	15	5,797	386	4.26	89	51,762	582	38.06	55
442,591	4,385	281	100	363,907	3,639	231	6	1,754	292	1.11	60	77,230	1,287	48.97	56
399,236	5,118	199	78	356,774	4,574	178	3	842	281	0.42	47	41,620	886	20.72	57
375,073	7,354	156	51	335,830	6,585	140	2	1,150	575	0.48	33	38,093	1,154	15.88	58
214,495	14,300	147	15	182,344	12,156	125	2	2,100	1,050	1.44	14	30,051	2,146	20.58	59
47,500	47,500	271	1	45,000	45,000	257	1	2,500	2,500	14.29	...	...	...	...	60
48,000	48,000	273	1	18,000	18,000	102	1	20,000	20,000	113.64	1	10,000	10,000	56.82	61
19,380	3,230	380	6	16,680	2,780	327	...	...	...	...	3	2,700	900	52.94	62

[Data on cost of irrigation systems were reported only for farms

Data on cost of irrigation systems were reported only for farms										
	State and largest acreage irrigated in any year	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Minnesota.....	94	90	2,719	81	2,509	3,392	93	108	8
2	1 to 9 acres.....	26	25	94	23	81	103	25	27	2
3	10 to 19 acres.....	12	12	136	8	99	165	12	13	1
4	20 to 29 acres.....	13	12	238	12	271	316	13	14	2
5	30 to 49 acres.....	17	17	487	16	446	611	17	18	1
6	50 to 99 acres.....	20	18	1,102	16	1,069	1,437	20	26	1
7	100 to 199 acres.....	6	6	662	6	543	760	6	10	1
8	Iowa.....	21	20	576	20	727	820	20	23	8
9	1 to 9 acres.....	4	4	18	4	21	21	3	4	1
10	10 to 19 acres.....	2	2	20	2	23	23	2	3	1
11	20 to 29 acres.....	2	2	45	2	59	52	2	3	2
12	30 to 49 acres.....	2	2	51	2	70	70	2	2	2
13	50 to 99 acres.....	10	10	442	9	540	654	10	10	2
14	Not reported.....	1	...	...	1	14	...	1	1	...
15	Missouri.....	280	271	15,528	206	9,818	17,340	264	320	50
16	1 to 9 acres.....	41	38	157	31	111	172	30	31	11
17	10 to 19 acres.....	33	33	391	24	259	417	30	35	9
18	20 to 29 acres.....	32	32	670	20	405	749	32	34	6
19	30 to 49 acres.....	48	44	1,334	35	1,073	1,743	47	55	10
20	50 to 99 acres.....	68	67	3,895	50	2,457	4,505	68	84	8
21	100 to 199 acres.....	39	39	4,589	31	2,856	5,162	38	49	4
22	200 to 499 acres.....	17	17	4,357	14	2,457	4,592	17	29	2
23	Not reported.....	2	1	135	1	200	...	2	3	...
24	Delaware.....	33	32	2,600	31	3,187	3,359	33	39	21
25	1 to 9 acres.....	1	1	3	1	3	2	1	1	1
26	10 to 19 acres.....	3	3	38	2	28	39	3	3	2
27	20 to 29 acres.....	1	1	17	1	25	25	1	1	1
28	30 to 49 acres.....	4	3	102	4	144	145	4	4	2
29	50 to 99 acres.....	5	5	321	5	383	398	5	6	4
30	100 to 199 acres.....	14	14	1,374	13	1,567	1,733	14	17	9
31	200 to 499 acres.....	5	5	745	5	1,037	1,017	5	7	2
32	Maryland.....	101	93	5,328	92	6,157	7,068	100	119	58
33	1 to 9 acres.....	19	17	47	17	48	57	19	20	8
34	10 to 19 acres.....	13	12	165	12	156	173	12	12	10
35	20 to 29 acres.....	11	11	199	9	132	262	11	12	6
36	30 to 49 acres.....	19	17	534	17	560	722	19	20	7
37	50 to 99 acres.....	18	16	1,049	17	1,119	1,174	18	20	10
38	100 to 199 acres.....	11	11	1,126	10	937	1,325	11	13	8
39	200 to 499 acres.....	9	8	1,608	9	2,405	2,555	9	13	8
40	500 to 999 acres.....	1	1	600	1	800	800	1	9	1
41	Virginia.....	297	284	11,793	255	9,042	13,219	294	325	192
42	1 to 9 acres.....	74	72	358	63	311	382	71	75	47
43	10 to 19 acres.....	46	45	583	43	504	608	46	47	33
44	20 to 29 acres.....	38	36	777	34	546	880	38	43	30
45	30 to 49 acres.....	43	40	1,376	35	1,104	1,594	43	46	27
46	50 to 99 acres.....	55	51	3,346	47	2,550	3,746	55	64	33
47	100 to 199 acres.....	33	32	3,716	25	2,436	4,158	33	37	17
48	200 to 499 acres.....	7	7	1,632	7	1,584	1,851	7	12	4
49	Not reported.....	1	1	5	1	7	...	1	1	1
50	West Virginia.....	16	16	736	15	671	777	15	17	5
51	1 to 9 acres.....	3	3	16	3	16	16	2	2	1
52	10 to 19 acres.....	3	3	41	3	43	43	3	3	...
53	20 to 29 acres.....	2	2	35	2	35	40	2	2	1
54	30 to 49 acres.....	5	5	202	4	106	207	5	5	1
55	50 to 99 acres.....	1	1	60	1	61	61	1	1	1
56	100 to 199 acres.....	1	1	72	1	100	100	1	2	1
57	200 to 499 acres.....	1	1	310	1	310	310	1	2	...
58	North Carolina.....	799	781	15,391	672	12,123	17,920	793	882	588
59	1 to 9 acres.....	273	268	1,330	202	1,046	1,489	268	277	171
60	10 to 19 acres.....	232	226	2,578	208	2,451	3,053	232	251	186
61	20 to 29 acres.....	112	108	2,234	105	2,008	2,572	112	126	90
62	30 to 49 acres.....	114	113	3,543	101	2,698	3,992	114	133	87
63	50 to 99 acres.....	50	49	2,547	44	1,853	3,184	50	65	40
64	100 to 199 acres.....	12	12	1,324	8	761	1,559	12	17	9
65	200 to 499 acres.....	3	3	645	2	410	861	3	8	3
66	500 to 999 acres.....	2	2	1,190	2	896	1,210	2	5	2
67	Not reported.....	1	...	...	...	...	...	...	...	...

# IRRIGATION IN HUMID AREAS

79

## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY LARGEST ACREAGE IRRIGATED IN ANY YEAR.

1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
520,844	5,541	192	94	454,455	4,835	167	6	5,533	922	2.03	44	60,856	1,383	22.38	1
86,083	3,311	916	26	83,713	3,220	891	1	283	283	3.01	8	2,087	261	22.20	2
37,103	3,092	273	12	33,363	2,780	245	...	...	...	...	4	3,740	935	27.50	3
57,910	4,455	243	13	43,688	3,361	184	2	2,700	1,350	11.34	9	11,522	1,280	48.41	4
94,679	5,569	194	17	79,386	4,670	163	2	2,475	1,238	5.08	9	12,818	1,424	26.32	5
156,574	7,829	142	20	136,310	6,816	124	1	75	75	0.07	11	20,189	1,835	18.32	6
88,495	14,749	134	6	77,995	12,999	118	...	...	...	...	3	10,500	3,500	15.86	7
83,107	3,957	144	21	71,047	3,383	123	2	790	395	1.37	12	11,270	939	19.57	8
5,896	1,474	328	4	5,456	1,364	303	...	...	...	...	2	440	220	24.44	9
3,770	1,885	188	2	2,600	1,300	130	...	...	...	...	2	1,170	585	58.50	10
6,325	3,162	141	2	3,900	1,950	87	1	700	700	15.56	2	1,725	862	38.33	11
9,150	4,575	179	2	6,475	3,238	127	...	...	...	...	2	2,675	1,338	52.45	12
45,246	4,525	102	10	41,656	4,166	94	1	90	90	0.20	3	3,500	1,167	7.92	13
12,720	12,720	...	1	10,960	10,960	...	...	...	...	...	1	1,760	1,760	...	14
1,318,692	4,710	85	278	1,105,366	3,976	71	39	35,111	900	2.26	98	178,215	1,819	11.48	15
62,645	1,528	399	40	51,825	1,296	330	5	3,465	693	22.07	13	7,355	566	46.85	16
98,155	2,974	251	32	84,430	2,638	216	3	500	167	1.28	10	13,225	1,322	33.82	17
99,825	3,120	149	32	79,365	2,480	118	1	60	60	0.09	10	20,400	2,040	30.45	18
197,807	4,121	148	48	145,769	3,037	109	3	1,850	617	1.39	15	50,188	3,346	37.62	19
350,945	5,161	90	68	302,442	4,448	78	10	4,086	409	1.05	23	44,417	1,931	11.40	20
274,074	7,028	60	39	240,924	6,178	53	8	6,970	871	1.52	19	26,180	1,378	5.70	21
217,191	12,776	50	17	182,561	10,739	42	9	18,180	2,020	4.17	8	16,450	2,056	3.78	22
18,050	9,025	134	2	18,050	9,025	134	...	...	...	...	...	...	...	...	23
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	24
1,000	1,000	333	1	800	800	267	...	...	...	...	1	200	200	66.67	25
9,527	3,176	251	3	7,015	2,338	185	...	...	...	...	2	2,512	1,256	66.11	26
4,650	4,650	274	1	4,300	4,300	253	1	100	100	5.88	1	250	250	14.71	27
25,475	6,369	250	4	21,900	5,475	215	...	...	...	...	3	3,575	1,192	35.05	28
43,549	8,710	136	5	41,250	8,250	129	...	...	...	...	4	2,299	575	7.16	29
176,352	12,597	128	14	136,602	9,757	99	2	2,400	1,200	1.75	9	37,350	4,150	27.18	30
96,300	19,260	129	5	86,700	17,340	116	...	...	...	...	4	9,600	2,400	12.89	31
687,578	6,808	129	100	534,795	5,348	100	9	8,025	892	1.51	66	144,758	2,193	27.17	32
30,152	1,587	642	19	19,287	1,015	410	...	...	...	...	10	10,865	1,086	231.17	33
39,045	3,003	12	12	28,282	2,357	171	2	725	362	4.39	12	10,038	836	60.84	34
36,959	3,360	186	11	29,794	2,709	150	...	...	...	...	7	7,165	1,024	36.01	35
94,600	4,979	177	19	84,450	4,445	158	2	750	375	1.40	9	9,400	1,044	17.60	36
118,481	6,582	113	18	104,331	5,796	99	...	...	...	...	10	14,150	1,415	13.49	37
98,440	8,949	87	11	83,200	7,564	74	3	4,050	1,350	3.60	9	11,190	1,243	9.94	38
153,650	17,072	96	9	132,200	14,689	82	2	2,500	1,250	1.55	8	18,950	2,369	11.78	39
116,251	116,251	194	1	53,251	53,251	89	...	...	...	...	1	63,000	63,000	105.00	40
1,812,422	6,102	154	296	1,337,113	4,517	113	19	21,420	1,127	1.82	202	453,889	2,247	38.49	41
193,203	2,611	540	73	142,212	1,948	397	2	40	20	0.11	51	50,951	999	142.32	42
179,746	3,908	308	46	124,423	2,705	213	1	300	300	0.51	35	55,023	1,572	94.38	43
174,962	4,604	225	38	117,147	3,083	151	4	1,360	340	1.75	30	56,455	1,882	72.66	44
220,115	5,119	160	43	167,550	3,897	122	2	460	230	0.33	27	52,105	1,930	37.87	45
484,797	8,814	145	55	357,287	6,496	107	8	17,460	2,182	5.22	34	110,050	3,237	32.89	46
370,949	11,241	100	33	281,654	8,535	76	...	...	...	...	20	89,295	4,465	24.03	47
184,540	26,363	113	7	144,040	20,577	88	1	1,000	1,000	0.61	4	39,500	9,875	24.20	48
4,110	4,110	822	1	2,800	2,800	560	1	800	800	160.00	1	510	510	102.00	49
89,590	5,599	122	16	67,490	4,218	92	1	200	200	0.27	5	21,900	4,380	29.76	50
5,500	1,833	344	3	4,900	1,633	306	1	200	200	12.50	1	400	400	25.00	51
4,600	1,533	112	3	4,600	1,533	112	...	...	...	...	...	...	...	...	52
5,000	2,500	143	2	3,500	1,750	100	...	...	...	...	1	1,500	1,500	42.86	53
23,090	4,618	114	5	13,090	2,618	65	...	...	...	...	1	10,000	10,000	49.50	54
13,900	13,900	232	1	6,900	6,900	115	...	...	...	...	1	7,000	7,000	116.67	55
12,500	12,500	174	1	9,500	9,500	132	...	...	...	...	1	3,000	3,000	41.67	56
25,000	25,000	81	1	25,000	25,000	81	...	...	...	...	...	...	...	...	57
3,988,395	4,992	259	796	2,832,441	3,558	184	59	37,676	639	2.45	613	1,118,278	1,824	72.66	58
654,354	2,397	492	271	484,487	1,788	364	17	4,660	274	3.50	181	165,207	913	124.22	59
1,021,345	4,402	396	232	727,245	3,135	282	10	2,976	298	1.15	192	291,124	1,516	112.93	60
648,332	5,789	290	112	424,234	3,788	190	14	13,095	935	5.86	96	211,003	2,198	94.45	61
774,741	6,796	219	114	547,474	4,802	155	11	10,340	940	2.92	89	216,927	2,437	61.23	62
572,126	11,443	225	50	417,726	8,355	164	3	1,400	467	0.55	41	153,000	3,732	60.07	63
149,999	12,500	113	12	105,446	8,787	80	1	2,200	2,200	1.66	9	42,353	4,706	31.99	64
88,493	29,498	137	3	60,829	20,276	94	1	1,000	1,000	1.55	3	26,664	8,888	41.34	65
79,000	39,500	66	2	65,000	32,500	55	1	2,000	2,000	1.68	2	12,000	6,000	10.08	66
5	5	...	...	...	...	...	1	5	5	...	...	...	...	...	67

## IRRIGATION IN HUMID AREAS

Table 12.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS, BY STATES:

[Data on cost of irrigation systems were reported only for farms

[Data on cost of irrigation systems were reported only for farms										
	State and largest acreage irrigated in any year	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	South Carolina.....	234	223	10,180	183	6,956	11,848	229	279	187
2	1 to 9 acres.....	31	29	139	26	131	162	30	34	24
3	10 to 19 acres.....	44	41	433	37	456	602	43	49	37
4	20 to 29 acres.....	42	41	795	33	712	1,004	41	43	32
5	30 to 49 acres.....	41	39	1,001	34	1,001	1,460	41	49	30
6	50 to 99 acres.....	43	42	2,598	31	1,741	2,929	43	49	36
7	100 to 199 acres.....	18	18	2,016	11	1,142	2,328	16	24	14
8	200 to 499 acres.....	11	10	2,385	8	1,386	2,763	11	26	10
9	500 to 999 acres.....	1	1	600	1	275	600	1	2	1
10	Not reported.....	3	2	213	2	112	...	3	3	3
11	Georgia.....	408	381	12,679	370	12,907	16,197	402	478	320
12	1 to 9 acres.....	112	103	496	95	507	628	107	113	82
13	10 to 19 acres.....	81	73	782	76	977	1,093	81	88	67
14	20 to 29 acres.....	68	61	1,072	65	1,349	1,553	67	78	55
15	30 to 49 acres.....	65	63	1,785	60	1,943	2,314	65	78	53
16	50 to 99 acres.....	48	47	2,184	44	2,483	3,154	48	62	37
17	100 to 199 acres.....	20	20	1,933	19	1,817	2,451	20	28	13
18	200 to 499 acres.....	8	8	2,217	6	1,758	2,369	8	15	8
19	500 to 999 acres.....	4	4	2,020	3	1,885	2,635	4	13	3
20	Not reported.....	2	2	190	2	188	...	2	3	2
21	Kentucky.....	376	366	8,341	246	4,221	9,443	371	399	122
22	1 to 9 acres.....	150	146	613	90	362	630	146	153	46
23	10 to 19 acres.....	74	73	944	49	454	998	73	73	25
24	20 to 29 acres.....	51	50	1,070	32	510	1,195	51	55	15
25	30 to 49 acres.....	53	52	1,750	40	896	1,967	53	57	17
26	50 to 99 acres.....	29	28	1,760	20	667	1,946	29	35	9
27	100 to 199 acres.....	14	14	1,587	12	887	1,726	14	16	8
28	200 to 499 acres.....	4	3	617	3	445	981	4	9	2
29	Not reported.....	1	...	...	...	...	...	1	1	...
30	Tennessee.....	366	342	12,044	294	8,605	14,415	360	393	97
31	1 to 9 acres.....	110	102	401	81	313	469	104	109	26
32	10 to 19 acres.....	51	46	491	45	518	681	51	53	19
33	20 to 29 acres.....	49	44	916	41	816	1,108	49	54	17
34	30 to 49 acres.....	62	61	1,959	51	1,313	2,220	62	65	13
35	50 to 99 acres.....	49	48	2,696	42	1,938	3,326	49	52	8
36	100 to 199 acres.....	28	25	2,815	20	1,717	3,448	28	35	8
37	200 to 499 acres.....	14	14	2,708	12	1,964	3,163	14	21	6
38	Not reported.....	3	2	58	2	26	...	3	4	...
39	Alabama.....	156	151	7,839	129	6,410	9,884	155	197	61
40	1 to 9 acres.....	27	27	108	25	113	128	27	30	8
41	10 to 19 acres.....	25	25	269	19	226	310	24	27	7
42	20 to 29 acres.....	13	12	231	13	236	304	13	21	8
43	30 to 49 acres.....	21	21	524	17	515	752	21	25	8
44	50 to 99 acres.....	37	36	2,179	27	1,520	2,551	37	40	13
45	100 to 199 acres.....	22	22	2,455	19	1,957	2,961	22	33	10
46	200 to 499 acres.....	9	7	1,473	9	1,843	2,278	9	19	6
47	500 to 999 acres.....	1	1	600	...	...	600	1	1	...
48	Not reported.....	1	...	...	...	...	...	1	1	1
49	Mississippi.....	374	366	55,871	279	44,993	65,596	360	675	114
50	1 to 9 acres.....	41	41	174	25	105	191	30	33	18
51	10 to 19 acres.....	22	21	232	14	159	283	20	22	10
52	20 to 29 acres.....	27	25	569	12	232	650	26	30	9
53	30 to 49 acres.....	35	35	1,144	23	724	1,271	35	38	9
54	50 to 99 acres.....	61	61	3,432	46	2,233	3,938	61	79	18
55	100 to 199 acres.....	73	69	8,387	54	6,443	10,288	73	115	15
56	200 to 499 acres.....	83	82	19,913	74	15,752	23,463	83	195	24
57	500 to 999 acres.....	27	27	14,862	26	12,735	17,369	27	101	9
58	1,000 acres and over.....	5	5	7,158	5	6,610	8,143	5	62	2

# IRRIGATION IN HUMID AREAS

81

## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY LARGEST ACREAGE IRRIGATED IN ANY YEAR, 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells			
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)
1,576,599	6,738	155	232	1,059,966	4,569	104	29	34,167	1,178	3.36	194	482,466	2,487	47.39
93,112	3,004	670	31	56,754	1,831	408	5	1,300	260	9.35	28	35,058	1,252	252.22
169,281	3,847	391	44	120,070	2,729	277	5	1,650	330	3.81	38	47,561	1,252	109.84
184,507	4,393	232	41	116,955	2,853	147	5	1,042	208	1.31	33	66,510	2,015	83.66
278,629	6,796	278	41	166,972	4,072	167	2	3,200	1,600	3.20	30	108,457	3,615	108.35
359,580	8,362	138	43	247,205	5,749	95	7	16,575	2,368	6.38	36	95,800	2,661	36.87
221,155	12,286	11.0	17	172,915	10,171	86	3	5,200	1,733	2.58	14	43,040	3,074	21.35
242,235	22,021	102	11	164,595	14,963	69	2	5,200	2,600	2.18	11	72,440	6,585	30.37
15,000	15,000	25	1	5,000	5,000	8	...	...	...	...	1	10,000	10,000	16.67
13,100	4,367	62	3	9,500	3,167	45	...	...	...	...	3	3,600	1,200	16.90
2,944,255	7,216	232	403	1,970,929	4,891	155	36	32,001	889	2.52	339	941,325	2,777	74.24
347,757	3,105	701	108	228,957	2,120	462	13	2,650	204	5.34	87	116,150	1,335	234.17
406,634	5,020	520	81	269,430	3,326	345	3	2,900	967	3.71	73	134,304	1,840	171.74
429,349	6,314	401	67	268,457	4,007	250	6	6,375	1,062	5.95	58	154,517	2,664	144.14
533,446	8,207	299	65	355,500	5,469	199	7	8,375	1,196	4.69	54	169,571	3,140	95.00
536,586	11,179	246	48	353,994	7,375	162	4	3,701	925	1.69	40	178,891	4,472	81.91
216,483	10,824	11.2	20	145,891	7,295	75	1	2,000	2,000	1.03	14	68,592	4,899	35.48
170,800	21,350	77	8	113,700	14,212	51	1	1,000	1,000	0.45	8	56,100	7,012	25.30
280,000	70,000	139	4	218,000	54,500	108	3	5,000	5,000	2.48	3	57,000	19,000	28.22
23,200	11,600	122	2	17,000	8,500	89	...	...	...	...	2	6,200	3,100	32.63
1,376,536	3,661	165	376	1,455,730	3,074	139	7	1,574	225	0.19	145	219,232	1,512	26.28
305,815	2,039	499	150	268,047	1,787	437	1	22	22	0.04	57	37,746	662	61.58
240,633	3,252	255	74	208,698	2,820	221	1	150	150	0.16	30	31,785	1,060	33.67
186,921	3,665	175	51	171,187	3,357	160	1	40	40	0.04	18	15,694	872	14.67
219,099	4,134	125	53	178,390	3,366	102	3	1,062	354	0.61	19	39,647	2,087	22.66
216,192	7,455	123	29	181,292	6,251	103	1	300	300	0.17	11	34,600	3,145	19.66
132,869	9,491	84	14	98,109	7,008	82	...	...	...	...	8	34,760	4,345	21.90
75,000	18,750	122	4	50,000	12,500	81	...	...	...	...	2	25,000	12,500	40.52
7	7	...	1	7	7	...	...	...	...	...	...	...	...	...
1,481,815	4,049	123	366	1,277,314	3,490	106	13	10,755	827	0.89	105	193,746	1,845	16.09
165,394	1,504	412	110	149,514	1,359	373	3	60	20	0.15	27	15,820	586	39.45
137,173	2,690	279	51	122,525	2,402	250	2	220	110	0.45	20	14,428	721	29.38
186,848	3,446	184	49	150,498	3,071	164	...	...	...	...	17	18,350	1,079	20.03
224,801	3,626	115	62	213,781	3,448	109	2	375	188	0.19	15	10,645	710	5.43
277,894	5,671	103	49	255,124	5,207	95	1	200	200	0.07	10	22,570	2,257	8.37
272,450	9,730	97	28	213,300	7,618	76	3	5,700	1,900	2.02	9	53,450	5,939	18.99
227,680	16,263	84	14	164,997	11,786	61	2	4,200	2,100	1.55	7	58,483	8,355	21.60
7,575	2,525	131	3	7,575	2,525	131	...	...	...	...	...	...	...	...
1,132,779	7,261	145	155	969,877	6,257	124	23	6,752	294	0.86	77	156,150	2,028	19.92
48,393	1,792	448	27	38,023	1,408	352	5	720	144	6.67	13	9,650	742	89.35
126,253	5,050	469	24	111,332	4,639	414	7	1,082	155	4.02	12	13,839	1,153	51.45
143,778	11,060	622	13	124,347	9,265	538	3	250	83	1.08	9	19,181	2,131	83.03
116,720	5,558	223	21	78,695	3,747	150	2	1,600	800	3.05	9	36,425	4,047	69.51
257,250	6,953	118	37	226,250	6,115	104	3	700	233	0.32	16	30,300	1,894	13.91
205,060	9,321	84	22	179,350	8,152	73	3	2,400	800	0.98	11	23,310	2,119	9.49
225,010	25,001	153	9	201,700	22,411	137	...	...	...	...	6	23,310	3,885	15.82
10,000	10,000	17	1	10,000	10,000	17	...	...	...	...	...	...	...	...
315	315	...	1	180	180	...	...	...	...	...	1	135	135	...
3,550,909	9,494	64	365	2,185,188	5,987	39	209	442,677	2,118	7.92	225	923,044	4,102	16.52
44,126	1,076	254	34	29,409	865	169	18	1,576	88	9.06	21	13,141	626	75.52
44,189	2,009	190	20	33,959	1,698	146	4	1,600	400	6.90	12	8,630	719	37.20
68,787	2,548	121	27	49,643	1,839	87	13	5,625	433	9.89	13	13,519	1,040	23.76
95,331	2,724	83	35	74,092	2,117	65	8	1,235	154	1.08	13	20,004	1,539	17.49
316,404	5,187	92	61	223,054	3,657	65	30	16,250	542	4.73	34	77,100	2,268	22.47
661,804	9,066	79	73	436,143	5,975	52	43	59,869	1,392	7.14	41	165,792	4,044	19.77
1,200,712	14,466	60	83	794,169	9,568	40	64	136,767	2,137	6.87	66	269,776	4,088	13.55
793,656	29,395	53	27	425,619	15,764	29	25	158,755	6,350	10.68	20	209,282	10,464	14.08
325,900	65,180	46	5	119,100	23,820	17	4	61,000	15,250	8.52	5	145,800	29,160	20.37

## IRRIGATION IN HUMID AREAS

Table 13.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS, WATER, BY

[Data on cost of irrigation systems were reported only for farms]

State and use of constructed storage		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Total, 28 States.....	6,414	6,085	245,928	5,541	220,082	295,154	6,207	7,530	3,165
2	With constructed storage.....	3,165	3,008	116,126	2,861	112,661	141,825	3,131	3,942	3,165
3	Without constructed storage.....	3,208	3,038	128,509	2,644	106,346	151,843	3,043	3,552	...
4	Use of constructed storage not reported.....	41	39	1,293	36	1,075	1,486	33	36	...
5	Maine.....	24	16	138	22	416	483	20	23	14
6	With constructed storage.....	14	9	97	12	321	386	13	16	14
7	Without constructed storage.....	10	7	41	10	95	97	7	7	...
8	New Hampshire.....	31	30	510	30	685	718	28	31	15
9	With constructed storage.....	15	14	305	15	426	450	15	18	15
10	Without constructed storage.....	16	16	205	15	259	268	13	13	...
11	Vermont.....	14	14	267	13	275	341	14	16	4
12	With constructed storage.....	4	4	40	4	42	54	4	4	4
13	Without constructed storage.....	8	8	216	7	182	236	8	10	...
14	Use of constructed storage not reported.....	2	2	11	2	51	51	2	2	...
15	Massachusetts.....	217	199	3,982	205	4,462	5,343	177	213	102
16	With constructed storage.....	102	93	1,671	96	1,953	2,246	100	124	102
17	Without constructed storage.....	112	103	2,288	106	2,488	3,069	76	88	...
18	Use of constructed storage not reported.....	3	3	23	3	21	28	1	1	...
19	Rhode Island.....	17	17	535	15	377	633	16	21	7
20	With constructed storage.....	7	7	224	6	140	294	7	9	7
21	Without constructed storage.....	10	10	311	9	237	339	9	12	...
22	Connecticut.....	161	151	5,924	155	6,161	6,679	158	208	98
23	With constructed storage.....	98	92	4,319	95	4,511	4,876	97	142	98
24	Without constructed storage.....	63	59	1,605	60	1,650	1,803	61	66	...
25	New York.....	467	434	16,596	449	18,390	20,078	422	512	169
26	With constructed storage.....	169	154	5,622	162	6,616	7,256	169	219	169
27	Without constructed storage.....	293	275	10,850	282	11,665	12,675	250	290	...
28	Use of constructed storage not reported.....	5	5	124	5	109	147	3	3	...
29	New Jersey.....	560	520	20,343	541	24,339	24,291	540	683	328
30	With constructed storage.....	328	308	14,001	318	16,252	16,466	328	437	328
31	Without constructed storage.....	231	211	6,341	222	8,086	7,824	212	246	...
32	Use of constructed storage not reported.....	1	1	1	1	1	1	...	...	...
33	Pennsylvania.....	277	266	7,681	263	8,398	9,502	272	304	134
34	With constructed storage.....	134	132	3,944	128	4,158	4,754	134	155	134
35	Without constructed storage.....	142	133	3,700	134	4,207	4,711	137	148	...
36	Use of constructed storage not reported.....	1	1	37	1	33	37	1	1	...
37	Ohio.....	225	216	5,193	195	4,521	5,944	218	258	97
38	With constructed storage.....	97	95	2,132	83	2,065	2,491	97	125	97
39	Without constructed storage.....	127	120	3,000	111	2,444	3,428	120	132	...
40	Use of constructed storage not reported.....	1	1	61	1	12	25	1	1	...
41	Indiana.....	120	118	7,283	94	5,857	8,416	118	150	40
42	With constructed storage.....	40	39	3,533	31	3,875	4,170	40	56	40
43	Without constructed storage.....	79	78	3,650	62	1,819	4,083	77	93	...
44	Use of constructed storage not reported.....	1	1	100	1	163	163	1	1	...
45	Illinois.....	66	61	1,404	53	1,258	1,663	64	82	21
46	With constructed storage.....	21	19	519	20	537	598	21	31	21
47	Without constructed storage.....	45	42	885	33	721	1,065	43	51	...
48	Wisconsin.....	133	125	4,615	121	5,072	6,147	132	154	48
49	With constructed storage.....	48	47	1,682	46	1,742	2,065	48	54	48
50	Without constructed storage.....	85	78	2,933	75	3,330	4,082	84	100	...
51	Michigan.....	547	502	9,832	512	11,545	13,638	539	621	257
52	With constructed storage.....	257	235	4,903	246	5,806	6,902	255	308	257
53	Without constructed storage.....	284	261	4,732	260	5,495	6,494	278	306	...
54	Use of constructed storage not reported.....	6	6	197	6	244	242	6	7	...

# IRRIGATION IN HUMID AREAS

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## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, ACCORDING TO USE OF CONSTRUCTED FACILITIES FOR STORING STATES: 1955

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
35,545,680	5,542	145	6,382	27,477,344	4,305	112	693	826,488	1,193	3.36	3,896	7,241,848	1,859	29.45	1
21,354,549	6,747	184	3,146	15,107,853	4,802	130	360	397,618	1,104	3.42	3,165	5,849,078	1,848	50.37	2
13,998,527	4,364	109	3,197	12,216,713	3,821	95	329	427,720	1,300	3.33	717	1,354,094	1,889	10.54	3
192,604	4,698	149	39	152,778	3,917	118	4	1,150	288	0.89	14	38,676	2,763	29.91	4
66,866	2,786	485	23	57,011	2,479	413	1	600	600	4.35	14	9,255	661	67.07	5
55,061	3,933	568	13	45,206	3,477	466	1	600	600	6.19	14	9,255	661	95.41	6
11,805	1,180	288	10	11,805	1,180	288	...	...	...	...	...	...	...	...	7
88,468	2,854	173	30	68,898	2,297	135	6	2,081	347	4.08	15	17,489	1,166	34.29	8
62,585	4,172	205	15	43,565	2,904	143	3	1,531	510	5.02	15	17,489	1,166	57.34	9
25,883	1,618	126	15	25,333	1,689	124	3	550	183	2.68	...	...	...	...	10
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60	11
9,833	2,458	246	4	9,238	2,310	231	...	...	...	...	4	595	149	14.88	12
14,675	1,834	68	8	13,775	1,722	64	...	...	...	...	1	900	900	4.17	13
5,500	2,750	500	2	5,500	2,750	500	...	...	...	...	...	...	...	...	14
731,941	3,373	184	215	620,932	2,888	156	24	21,891	912	5.50	112	89,118	796	22.38	15
431,791	4,233	258	100	326,623	3,266	195	16	19,820	1,239	11.86	102	85,348	837	51.08	16
296,125	2,644	129	112	290,284	2,592	127	8	2,071	259	0.91	10	3,770	377	1.65	17
4,025	1,342	175	3	4,025	1,342	175	...	...	...	...	...	...	...	...	18
63,525	3,737	119	17	54,045	3,179	101	...	...	...	...	8	9,480	1,185	17.72	19
39,180	5,597	175	7	30,700	4,386	137	...	...	...	...	7	8,480	1,211	37.86	20
24,345	2,434	78	10	23,345	2,334	75	...	...	...	...	1	1,000	1,000	3.22	21
1,279,209	7,945	216	160	1,020,923	6,381	172	21	15,500	738	2.62	101	242,786	2,404	40.98	22
1,019,572	10,404	236	98	764,116	7,797	177	16	13,900	869	3.22	98	241,556	2,465	55.93	23
259,637	4,121	162	62	256,807	4,142	160	5	1,600	320	1.00	3	1,230	410	0.77	24
2,560,967	5,484	154	467	2,099,369	4,495	126	26	29,961	1,152	1.81	301	431,637	1,434	26.01	25
852,352	5,044	152	169	676,636	4,004	120	13	8,456	650	1.50	169	167,260	990	29.75	26
1,684,437	5,749	155	293	1,408,535	4,807	130	13	21,505	1,654	1.98	130	254,397	1,957	23.45	27
24,178	4,836	195	5	14,198	2,840	114	...	...	...	...	2	9,980	4,990	80.48	28
3,659,940	6,536	180	559	3,000,933	5,368	148	80	48,387	605	2.38	409	610,620	1,493	30.02	29
2,591,615	7,901	185	328	2,067,093	6,302	148	51	32,434	636	2.32	328	492,088	1,500	35.15	30
1,068,125	4,624	168	230	933,640	4,059	147	29	15,953	550	2.52	81	118,532	1,463	18.69	31
200	200	200	1	200	200	200	...	...	...	...	...	...	...	...	32
1,227,710	4,432	160	277	1,058,772	3,822	138	11	3,051	277	0.40	143	165,887	1,160	21.60	33
705,936	5,268	179	134	548,756	4,095	139	9	2,933	326	0.74	134	154,247	1,151	39.11	34
516,029	3,634	139	142	504,316	3,552	136	2	118	59	0.03	8	11,595	1,449	3.13	35
5,745	5,745	155	1	5,700	5,700	154	...	...	...	...	1	45	45	1.22	36
932,641	4,145	180	225	729,121	3,241	140	11	13,280	1,207	2.56	132	190,240	1,441	36.63	37
482,077	4,970	226	97	325,421	3,355	153	9	11,780	1,309	5.53	97	144,876	1,494	67.95	38
446,564	3,516	149	127	399,700	3,147	133	2	1,500	750	0.50	35	45,364	1,296	15.12	39
4,000	4,000	66	1	4,000	4,000	66	...	...	...	...	...	...	...	...	40
763,815	6,365	105	120	643,216	5,360	88	4	5,550	1,388	0.76	73	115,049	1,576	15.80	41
366,760	9,169	104	40	287,242	7,181	81	1	50	50	0.01	40	79,468	1,987	22.49	42
383,055	4,849	105	79	347,974	4,405	95	3	5,500	1,833	1.51	32	29,581	924	8.10	43
14,000	14,000	140	1	8,000	8,000	80	...	...	...	...	1	6,000	6,000	60.00	44
274,312	4,156	195	66	227,311	3,444	162	3	400	133	0.28	37	46,601	1,259	33.19	45
120,224	5,725	232	21	89,099	4,243	172	3	400	133	0.77	21	30,725	1,463	59.20	46
154,088	3,424	174	45	138,212	3,071	156	...	...	...	...	16	15,876	992	17.94	47
702,669	5,283	152	133	626,048	4,707	136	8	5,410	676	1.17	68	71,211	1,047	15.43	48
244,385	5,091	145	48	193,893	4,039	115	4	3,030	758	1.80	48	47,462	989	28.22	49
458,284	5,392	156	85	432,155	5,084	147	4	2,380	595	0.81	20	23,749	1,187	8.10	50
2,243,235	4,101	228	545	1,921,974	3,527	195	43	41,196	958	4.19	329	280,065	851	28.49	51
1,134,884	4,416	231	256	924,255	3,610	189	18	28,720	1,596	5.86	257	181,909	708	37.10	52
1,067,669	3,759	226	283	962,137	3,400	203	25	12,476	499	2.64	70	93,056	1,329	19.67	53
40,682	6,780	207	6	35,582	5,930	181	...	...	...	...	2	5,100	2,550	25.89	54

## IRRIGATION IN HUMID AREAS

Table 13.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS, WATER, BY STATES:

[Data on cost of irrigation systems were reported only for farms

Data on cost of irrigation systems were reported only for farms										
State and use of constructed storage		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Minnesota.....	94	90	2,719	81	2,509	3,392	93	108	8
2	With constructed storage.....	8	8	267	8	170	308	8	8	8
3	Without constructed storage.....	85	81	2,382	72	2,269	3,014	84	98	...
4	Use of constructed storage not reported.....	1	1	70	1	70	70	1	2	...
5	Iowa.....	21	20	576	20	727	820	20	23	8
6	With constructed storage.....	8	8	180	8	277	270	8	9	8
7	Without constructed storage.....	13	12	396	12	450	550	12	14	...
8	Missouri.....	280	271	15,528	206	9,818	17,340	264	320	50
9	With constructed storage.....	50	48	1,906	43	1,612	2,280	46	59	50
10	Without constructed storage.....	230	223	13,622	163	8,206	15,060	218	261	...
11	Delaware.....	33	32	2,600	31	3,187	3,359	33	39	21
12	With constructed storage.....	21	20	1,361	20	1,861	1,976	21	27	21
13	Without constructed storage.....	12	12	1,239	11	1,326	1,383	12	12	...
14	Maryland.....	101	93	5,328	92	6,157	7,068	100	119	58
15	With constructed storage.....	58	54	4,075	54	4,538	5,156	58	75	58
16	Without constructed storage.....	42	38	1,243	37	1,609	1,902	42	44	...
17	Use of constructed storage not reported.....	1	1	10	1	10	10	...	...	...
18	Virginia.....	297	284	11,793	255	9,042	13,219	294	325	192
19	With constructed storage.....	192	183	7,035	171	5,672	7,867	192	216	192
20	Without constructed storage.....	105	101	4,758	84	3,370	5,352	102	109	...
21	West Virginia.....	16	16	736	15	671	777	15	17	5
22	With constructed storage.....	5	5	190	5	224	224	4	5	5
23	Without constructed storage.....	11	11	546	10	447	553	11	12	...
24	North Carolina.....	799	781	15,391	672	12,123	17,920	793	882	588
25	With constructed storage.....	588	576	12,348	528	10,153	14,473	588	669	588
26	Without constructed storage.....	207	201	2,923	142	1,919	3,322	201	209	...
27	Use of constructed storage not reported.....	4	4	120	2	51	125	4	4	...
28	South Carolina.....	234	223	10,180	183	6,956	11,848	229	279	187
29	With constructed storage.....	187	177	8,365	152	5,921	9,883	183	228	187
30	Without constructed storage.....	47	46	1,815	31	1,035	1,965	46	51	...
31	Georgia.....	408	381	12,679	370	12,907	16,197	402	478	320
32	With constructed storage.....	320	298	10,143	300	11,223	12,904	316	383	320
33	Without constructed storage.....	84	80	2,385	67	1,619	3,139	82	91	...
34	Use of constructed storage not reported.....	4	3	151	3	65	154	4	4	...
35	Kentucky.....	376	366	8,341	246	4,221	9,443	371	399	122
36	With constructed storage.....	122	120	2,802	88	1,792	3,534	122	136	122
37	Without constructed storage.....	250	243	5,395	156	2,403	5,725	245	259	...
38	Use of constructed storage not reported.....	4	3	144	2	26	184	4	4	...
39	Tennessee.....	366	342	12,044	294	8,605	14,415	360	393	97
40	With constructed storage.....	97	93	3,344	83	2,459	4,153	96	113	97
41	Without constructed storage.....	266	246	8,539	208	6,014	10,101	262	278	...
42	Use of constructed storage not reported.....	3	3	161	3	132	161	2	2	...
43	Alabama.....	156	151	7,839	129	6,410	9,884	155	197	61
44	With constructed storage.....	61	58	3,099	54	3,606	4,506	60	89	61
45	Without constructed storage.....	95	93	4,740	75	2,804	5,378	95	108	...
46	Mississippi.....	374	366	55,871	279	44,993	65,596	360	675	114
47	With constructed storage.....	114	112	18,019	85	14,709	21,283	101	227	114
48	Without constructed storage.....	256	250	37,769	190	30,197	44,225	256	444	...
49	Use of constructed storage not reported.....	4	4	83	4	87	88	3	4	...

FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, ACCORDING TO USE OF CONSTRUCTED FACILITIES FOR STORING  
1955-Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
520,844	5,541	192	94	454,455	4,835	167	6	5,533	922	2.03	44	60,856	1,383	22.38	1
54,846	6,896	205	8	37,401	4,675	140	2	2,783	1,392	10.42	8	14,662	1,833	54.91	2
456,598	5,372	192	85	410,054	4,824	172	4	2,750	688	1.15	35	43,794	1,251	18.39	3
9,400	9,400	134	1	7,000	7,000	100	...	...	...	...	1	2,400	2,400	34.29	4
83,107	3,957	144	21	71,047	3,383	123	2	790	395	1.37	12	11,270	939	19.57	5
30,585	3,823	170	8	21,075	2,634	117	1	700	700	3.89	8	8,810	1,101	48.94	6
52,522	4,040	133	13	49,972	3,844	126	1	90	90	0.23	4	2,460	615	6.21	7
1,318,692	4,710	85	278	1,105,366	3,976	71	39	35,111	900	2.26	98	178,215	1,819	11.48	8
317,772	6,355	167	49	209,027	4,266	110	9	4,150	461	2.18	50	104,595	2,092	54.88	9
1,000,920	4,352	73	229	896,339	3,914	66	30	30,961	1,032	2.27	48	73,620	1,534	5.40	10
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	11
247,744	11,797	182	21	195,533	9,311	144	3	2,500	833	1.84	21	49,711	2,367	36.53	12
109,109	9,092	88	12	103,034	8,586	83	...	...	...	...	3	6,075	2,025	4.90	13
687,578	6,808	129	100	534,795	5,348	100	9	8,025	892	1.51	66	144,758	2,193	27.17	14
487,262	8,401	120	58	345,259	5,953	85	7	4,525	646	1.11	58	137,478	2,370	33.74	15
200,116	4,765	161	42	189,536	4,513	152	2	3,500	1,750	2.82	7	7,080	1,011	5.70	16
200	200	20	...	...	...	...	...	...	...	...	1	200	200	20.00	17
1,812,422	6,102	154	296	1,337,113	4,517	113	19	21,420	1,127	1.82	202	453,889	2,247	38.49	18
1,344,779	7,004	191	192	886,100	4,615	126	15	21,040	1,403	2.99	192	437,639	2,279	62.21	19
467,643	4,454	98	104	451,013	4,337	95	4	380	95	0.08	10	16,250	1,625	3.42	20
89,590	5,599	122	16	67,490	4,218	92	1	200	200	0.27	5	21,900	4,380	29.76	21
43,800	8,760	231	5	21,700	4,340	114	1	200	200	1.05	5	21,900	4,380	115.26	22
45,790	4,163	84	11	45,790	4,163	84	...	...	...	...	...	...	...	...	23
3,988,395	4,992	259	796	2,832,441	3,558	184	59	37,676	639	2.45	613	1,118,278	1,824	72.66	24
3,474,484	5,909	281	588	2,362,857	4,018	191	40	27,136	678	2.20	588	1,084,491	1,844	87.83	25
483,785	2,337	166	204	446,384	2,188	153	18	10,240	569	3.50	23	27,161	1,181	9.29	26
30,126	7,532	251	4	23,200	5,800	193	1	300	300	2.50	2	6,626	3,313	55.22	27
1,576,599	6,738	155	232	1,059,966	4,569	104	29	34,167	1,178	3.36	194	482,466	2,487	47.39	28
1,399,327	7,483	167	185	899,869	4,864	108	25	23,342	934	2.79	187	476,116	2,546	56.92	29
177,272	3,772	98	47	160,097	3,406	88	4	10,825	2,706	5.96	7	6,350	907	3.50	30
2,944,255	7,216	232	403	1,970,929	4,891	155	36	32,001	889	2.52	339	941,325	2,777	74.24	31
2,567,254	8,023	253	317	1,643,528	5,185	162	30	24,186	806	2.38	320	899,540	2,811	88.69	32
356,353	4,242	149	82	308,753	3,765	129	6	7,815	1,302	3.28	18	39,785	2,210	16.68	33
20,648	5,162	137	4	18,648	4,662	123	...	...	...	...	1	2,000	2,000	13.25	34
1,376,536	3,661	165	376	1,155,730	3,074	139	7	1,574	225	0.19	145	219,232	1,512	26.28	35
651,168	5,337	232	122	446,144	3,657	159	3	712	237	0.25	122	204,312	1,675	72.92	36
714,768	2,859	132	250	699,486	2,798	130	3	362	121	0.07	23	14,920	649	2.77	37
10,600	2,650	74	4	10,100	2,525	70	1	500	500	3.47	...	...	...	...	38
1,481,815	4,049	123	366	1,277,314	3,490	106	13	10,755	827	0.89	105	193,746	1,845	16.09	39
617,594	6,367	185	97	440,876	4,545	132	6	9,265	1,544	2.77	97	167,453	1,726	50.08	40
849,621	3,194	99	266	823,838	3,097	96	7	1,490	213	0.17	7	24,293	3,470	2.84	41
14,600	4,867	91	3	12,600	4,200	78	...	...	...	...	1	2,000	2,000	12.42	42
1,132,779	7,261	145	155	969,877	6,257	124	23	6,752	294	0.86	77	156,150	2,028	19.92	43
571,675	9,372	184	60	435,027	7,250	140	13	4,052	312	1.31	61	132,596	2,174	42.79	44
561,104	5,906	118	95	534,850	5,630	113	10	2,700	270	0.57	16	23,554	1,472	4.97	45
3,550,909	9,494	64	365	2,185,188	5,987	39	209	442,677	2,118	7.92	225	923,044	4,102	16.52	46
1,430,004	12,544	79	106	831,614	7,845	46	61	149,373	2,449	8.29	114	449,017	3,939	24.92	47
2,112,205	8,251	56	256	1,349,549	5,272	36	146	292,954	2,007	7.76	109	469,702	4,309	12.44	48
8,700	2,175	105	3	4,025	1,342	48	2	350	175	4.22	2	4,325	2,162	52.11	49

## IRRIGATION IN HUMID AREAS

Table 14.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY YEAR IRRIGATION BEGAN, BY STATES: 1955

State and year irrigation began	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Total, 28 States.....	14,541	13,664	545,671	11,997	487,495	646,247	13,662	17,588	6,140
1955 and later.....	250	...	...	250	5,087	5,058	244	272	124
1954.....	4,168	4,168	133,909	3,118	117,687	161,972	4,100	4,684	1,960
1953.....	1,577	1,523	71,250	1,274	56,834	81,880	1,511	1,823	738
1952.....	856	813	44,621	719	33,637	50,355	821	1,046	385
1951.....	491	467	36,715	430	29,547	41,417	461	639	208
1950.....	690	666	28,642	628	25,607	32,780	651	867	318
1949.....	475	448	22,377	435	21,722	27,122	455	613	220
1948.....	443	416	18,664	408	18,569	22,267	424	585	170
1947.....	261	253	10,829	240	10,965	12,899	250	354	108
1946.....	283	270	12,005	266	12,073	13,933	273	414	98
1945 and earlier.....	1,932	1,773	62,684	1,804	67,851	76,151	1,617	2,695	526
Year not reported.....	3,115	2,867	103,975	2,425	87,916	120,413	2,855	3,596	1,285
Maine.....	60	33	428	50	1,054	830	50	67	37
1954.....	2	2	3	2	22	22	2	2	1
1953.....	9	2	31	7	106	88	8	9	5
1952.....	3	1	5	3	86	117	3	4	3
1951.....	5	3	18	5	40	25	4	4	3
1950.....	3	3	29	2	35	40	3	5	3
1949.....	10	5	54	9	460	390	8	14	6
1948.....	4	2	10	4	71	25	4	5	1
1947.....	2	1	8	1	13	25	2	2	2
1946.....	3	3	8	3	18	5	2	3	2
1945 and earlier.....	13	7	152	10	93	58	10	15	6
Year not reported.....	6	4	110	4	110	35	4	4	5
New Hampshire.....	52	48	710	50	956	1,008	39	42	19
1954.....	5	5	82	4	131	124	4	4	3
1953.....	10	9	102	10	184	178	10	10	6
1952.....	6	5	64	6	86	87	6	6	3
1951.....	3	3	6	3	6	18	3	3	2
1950.....	2	2	42	2	50	50	1	2	1
1949.....	4	4	172	4	193	225	3	5	2
1948.....	2	2	41	2	41	41	2	2	...
1946.....	2	2	26	2	24	25	2	2	...
1945 and earlier.....	9	8	103	9	133	131	3	3	1
Year not reported.....	9	8	72	8	108	129	5	5	1
Vermont.....	20	17	299	18	321	438	17	19	5
1954.....	2	2	5	2	3	5	2	2	1
1953.....	6	6	130	5	81	150	6	6	1
1952.....	2	2	85	2	91	95	2	4	...
1951.....	2	2	50	2	91	90	2	2	...
1949.....	1	1	15	1	14	19	1	1	1
1948.....	1	1	6	1	6	6	1	1	1
1946.....	1	1	1	1	1	1	1	1	...
1945 and earlier.....	3	2	7	3	11	12	2	2	1
Year not reported.....	2	...	...	1	23	60	...	...	...
Massachusetts.....	478	438	9,627	442	9,895	12,031	357	464	188
1955 and later.....	6	...	...	6	74	75	5	5	2
1954.....	31	31	346	29	514	528	31	34	11
1953.....	48	45	647	47	747	775	42	48	27
1952.....	26	22	281	23	356	424	17	17	10
1951.....	26	25	566	24	469	676	20	22	10
1950.....	52	49	836	47	840	1,228	41	53	27
1949.....	32	30	612	30	680	767	27	37	16
1948.....	19	17	448	17	424	580	14	18	5
1947.....	19	19	361	16	334	405	16	20	8
1946.....	17	15	573	17	799	805	13	20	5
1945 and earlier.....	109	103	3,480	102	3,197	3,850	72	116	35
Year not reported.....	93	82	1,477	84	1,461	1,918	59	74	32

# IRRIGATION IN HUMID AREAS

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Table 14.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY YEAR IRRIGATION BEGAN, BY STATES: 1955—Continued

State and year irrigation began	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Rhode Island.....	36	36	968	30	683	1,204	31	38	15
1954.....	2	2	9	1	1	9	1	1	1
1952.....	2	2	26	1	32	33	2	2	...
1951.....	2	2	81	2	81	81	1	2	1
1950.....	4	4	81	4	33	129	4	4	3
1949.....	5	5	367	4	186	436	4	6	1
1948.....	3	3	30	3	30	44	3	5	1
1947.....	3	3	61	2	26	78	3	3	1
1946.....	1	1	2	1	2	5	1	1	...
1945 and earlier.....	7	7	81	7	81	83	6	6	4
Year not reported.....	7	7	230	5	211	306	6	8	3
Connecticut.....	328	301	12,397	309	13,056	14,579	311	434	188
1955 and later.....	8	...	...	8	164	164	7	7	5
1954.....	46	46	838	45	888	941	44	46	26
1953.....	16	15	251	12	268	347	16	16	8
1952.....	21	21	639	21	612	665	21	24	11
1951.....	14	12	174	13	292	287	14	15	8
1950.....	31	30	820	29	775	992	30	42	17
1949.....	37	35	1,952	33	1,457	2,082	37	48	27
1948.....	19	18	1,148	17	1,169	1,218	18	33	9
1947.....	13	13	543	13	620	735	13	16	11
1946.....	14	14	1,702	14	1,646	1,692	14	32	10
1945 and earlier.....	45	41	2,380	43	2,671	2,761	36	74	23
Year not reported.....	64	56	1,950	61	2,494	2,695	61	81	33
New York.....	1,284	1,191	52,467	1,231	58,474	62,474	1,133	1,533	334
1955 and later.....	28	...	...	28	778	739	25	27	8
1954.....	152	152	4,495	145	5,435	5,837	143	157	50
1953.....	118	113	4,060	115	4,598	4,970	109	124	32
1952.....	75	72	3,251	71	3,247	3,601	72	87	28
1951.....	49	48	2,528	48	3,202	3,367	44	60	13
1950.....	106	105	4,673	103	5,058	5,244	97	118	28
1949.....	100	99	5,609	95	5,829	6,166	94	129	22
1948.....	78	76	3,750	76	3,876	4,282	74	97	14
1947.....	33	31	1,572	33	1,571	1,588	32	40	12
1946.....	55	54	4,138	51	4,188	4,440	53	92	6
1945 and earlier.....	262	240	11,120	251	12,872	13,661	202	351	62
Year not reported.....	228	201	7,271	215	7,820	8,559	188	251	59
New Jersey.....	1,428	1,312	50,855	1,353	57,923	60,830	1,336	1,910	576
1955 and later.....	32	...	...	32	700	700	31	36	15
1954.....	248	248	8,081	237	10,046	10,549	250	292	129
1953.....	89	83	3,975	87	4,572	4,848	85	109	49
1952.....	58	55	1,709	56	2,035	1,870	54	61	30
1951.....	57	52	2,125	53	2,250	2,254	50	62	27
1950.....	81	80	2,595	77	2,788	2,936	78	101	43
1949.....	67	62	3,558	64	3,870	3,789	66	96	41
1948.....	46	45	1,994	46	2,062	2,230	45	63	20
1947.....	26	25	1,227	26	1,405	1,256	24	37	13
1946.....	38	37	951	36	1,000	1,225	36	51	17
1945 and earlier.....	409	378	16,380	391	18,501	19,414	360	633	108
Year not reported.....	277	247	8,260	248	8,694	9,759	257	369	84
Pennsylvania.....	669	644	16,792	569	17,524	21,567	629	754	296
1955 and later.....	16	...	...	16	206	215	16	18	5
1954.....	237	237	5,022	181	4,956	6,114	229	244	105
1953.....	57	56	1,941	48	1,782	2,367	55	61	33
1952.....	31	31	967	30	1,102	1,215	31	34	14
1951.....	11	10	246	11	268	296	11	14	8
1950.....	27	26	523	25	551	599	23	28	11
1949.....	27	27	1,045	26	1,260	1,457	25	34	15
1948.....	12	11	160	10	125	192	12	15	5
1947.....	11	11	263	10	270	334	11	15	2
1946.....	7	7	96	6	107	148	7	8	4
1945 and earlier.....	104	101	3,317	100	3,719	4,857	88	142	38
Year not reported.....	129	127	3,212	106	3,178	3,773	121	141	56

## IRRIGATION IN HUMID AREAS

Table 14.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY YEAR IRRIGATION BEGAN, BY STATES: 1955—Continued

State and year irrigation began	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Ohio.....	648	616	13,786	575	12,622	16,132	575	746	229
1955 and later.....	10	...	...	10	56	56	10	12	2
1954.....	106	106	2,274	90	2,165	2,808	106	119	48
1953.....	53	51	1,483	45	1,350	1,578	50	55	19
1952.....	35	34	567	30	404	647	33	37	14
1951.....	13	13	249	10	130	262	13	17	6
1950.....	19	18	368	15	364	411	18	28	9
1949.....	5	5	101	3	16	131	4	5	1
1948.....	17	17	315	16	342	353	14	17	7
1947.....	21	21	694	19	656	785	21	24	4
1946.....	17	17	433	16	425	519	17	23	6
1945 and earlier.....	221	216	4,208	209	3,916	5,180	172	255	68
Year not reported.....	131	118	3,094	112	2,798	3,402	117	154	45
Indiana.....	348	340	12,901	262	10,357	14,999	338	445	101
1955 and later.....	2	...	...	2	18	18	2	2	...
1954.....	106	106	4,026	66	2,826	4,558	104	110	35
1953.....	31	31	1,589	23	768	1,710	31	36	11
1952.....	16	16	339	13	211	486	16	18	5
1951.....	10	10	193	9	187	202	10	11	4
1950.....	13	12	479	12	194	566	12	20	2
1948.....	11	11	2,606	10	2,963	3,125	11	27	6
1947.....	2	2	24	2	24	24	2	2	1
1946.....	4	4	41	3	30	54	4	4	...
1945 and earlier.....	67	63	982	64	1,028	1,176	63	110	7
Year not reported.....	86	85	2,622	58	2,108	3,080	83	105	30
Illinois.....	178	168	5,351	152	4,632	6,097	171	229	41
1955 and later.....	6	...	...	6	98	97	6	6	3
1954.....	41	41	1,485	32	1,289	1,636	41	49	11
1953.....	13	13	171	10	111	193	13	18	6
1952.....	6	6	1,289	5	874	1,294	6	8	2
1951.....	5	5	34	5	50	51	4	4	1
1950.....	7	7	97	6	55	102	7	10	2
1949.....	2	2	24	2	24	24	2	2	...
1948.....	14	13	151	9	111	184	13	14	1
1947.....	6	6	74	6	122	117	6	10	1
1946.....	7	7	170	6	142	187	7	11	2
1945 and earlier.....	40	40	1,325	39	1,280	1,590	37	63	8
Year not reported.....	31	28	531	26	476	622	29	34	4
Wisconsin.....	295	266	10,490	273	12,835	13,514	289	370	99
1954.....	26	26	1,011	23	871	1,234	26	27	17
1953.....	16	15	487	15	676	755	16	21	5
1952.....	16	14	774	15	769	963	16	21	1
1951.....	6	6	47	5	48	58	6	6	2
1950.....	26	24	1,245	23	1,265	1,583	26	30	7
1949.....	28	26	976	26	1,217	1,522	28	32	6
1948.....	27	24	652	26	772	880	27	30	12
1947.....	16	15	550	14	476	599	14	18	6
1946.....	8	8	291	8	451	456	8	11	...
1945 and earlier.....	72	60	2,619	67	4,123	3,371	69	106	23
Year not reported.....	54	48	1,838	51	2,167	2,093	53	68	20
Michigan.....	1,168	1,040	20,605	1,072	23,931	27,768	1,132	1,365	447
1955 and later.....	13	...	...	13	164	170	13	14	8
1954.....	132	132	2,255	119	3,098	3,215	130	142	62
1953.....	90	87	1,660	81	1,742	2,062	89	99	36
1952.....	75	68	1,557	68	1,764	2,059	71	88	30
1951.....	50	46	716	49	904	977	49	54	20
1950.....	104	96	1,557	102	1,801	2,015	103	117	45
1949.....	64	58	1,065	59	1,341	1,626	64	75	38
1948.....	71	60	1,398	65	1,706	2,009	69	79	27
1947.....	61	58	1,698	56	1,705	2,458	60	88	23
1946.....	53	45	1,327	49	1,381	1,787	53	67	21
1945 and earlier.....	179	150	2,948	157	3,363	3,867	168	233	30
Year not reported.....	276	240	4,424	254	4,962	5,523	263	309	107

# IRRIGATION IN HUMID AREAS

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Table 14.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY YEAR IRRIGATION BEGAN, BY STATES: 1955—Continued

State and year irrigation began	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Minnesota.....	273	254	7,423	246	7,392	9,168	264	382	23
1955 and later.....	5	...	...	5	166	166	5	7	...
1954.....	23	23	712	19	581	796	21	22	2
1953.....	15	15	361	12	300	434	15	16	1
1952.....	17	17	257	15	276	422	17	19	2
1951.....	13	11	384	12	260	418	13	16	2
1950.....	23	22	667	21	588	781	23	28	2
1949.....	18	18	738	17	587	827	18	23	...
1948.....	21	21	684	21	717	803	21	32	1
1947.....	6	6	223	5	163	223	6	9	...
1946.....	5	5	144	4	162	165	5	9	...
1945 and earlier.....	85	78	2,220	77	2,393	2,756	81	148	7
Year not reported.....	42	38	1,033	38	1,199	1,377	39	53	6
Iowa.....	101	83	1,996	95	2,838	2,912	96	141	15
1954.....	24	24	501	21	728	805	23	27	8
1953.....	1	...	...	1	55	...	1	1	...
1952.....	2	2	53	2	65	58	2	2	1
1950.....	2	2	96	2	64	98	2	3	...
1949.....	2	2	11	2	11	11	2	3	...
1948.....	1	1	20	1	20	2	1	1	...
1947.....	1	1	20	1	20	...	1	1	...
1946.....	2	1	50	2	34	50	2	2	...
1945 and earlier.....	45	30	678	43	1,334	1,159	41	75	3
Year not reported.....	21	20	567	20	507	729	21	26	3
Missouri.....	580	558	33,315	418	21,355	36,822	521	639	115
1955 and later.....	2	...	...	2	88	88	2	2	...
1954.....	238	238	15,267	167	9,516	17,258	233	269	43
1953.....	99	97	6,684	70	3,892	7,083	97	118	19
1952.....	37	34	1,770	23	922	1,954	35	47	12
1951.....	12	11	953	10	939	1,067	9	14	1
1950.....	12	12	546	11	286	590	10	17	4
1949.....	4	4	189	3	111	193	4	4	2
1948.....	6	6	746	6	609	745	5	9	2
1947.....	2	2	13	2	13	15	1	2	1
1946.....	5	5	44	5	44	47	4	5	...
1945 and earlier.....	50	47	761	44	541	959	26	34	10
Year not reported.....	113	102	6,342	75	4,394	6,823	95	118	21
Delaware.....	62	59	5,180	58	6,343	6,467	62	77	39
1955 and later.....	1	...	...	1	30	30	1	1	1
1954.....	28	28	1,938	26	2,750	2,855	28	32	14
1953.....	11	11	1,111	11	1,126	1,048	11	12	8
1952.....	2	2	230	2	270	270	2	4	1
1949.....	1	1	125	1	120	130	1	1	1
1947.....	1	1	180	1	210	210	1	2	1
1946.....	1	1	85	1	95	120	1	1	...
1945 and earlier.....	3	2	195	2	135	260	3	5	3
Year not reported.....	14	13	1,316	13	1,607	1,544	14	19	10
Maryland.....	173	153	7,247	150	8,133	9,663	164	199	92
1955 and later.....	8	...	...	8	229	229	8	8	5
1954.....	63	63	1,962	56	2,324	2,654	62	66	38
1953.....	24	23	1,180	20	809	1,316	24	26	10
1952.....	7	5	139	6	541	626	7	8	3
1951.....	8	8	1,257	7	1,274	1,339	8	10	8
1950.....	5	5	636	5	495	581	5	8	2
1949.....	1	1	54	1	100	100	1	1	...
1948.....	3	3	155	3	65	155	3	4	2
1947.....	3	3	621	3	831	832	3	11	1
1946.....	3	3	63	3	103	155	3	5	3
1945 and earlier.....	13	11	130	11	158	189	10	15	5
Year not reported.....	35	28	1,050	27	1,204	1,487	30	37	15

## IRRIGATION IN HUMID AREAS

Table 14.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY YEAR IRRIGATION BEGAN, BY STATES: 1955—Continued

State and year irrigation began	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Virginia.....	545	522	22,887	426	16,465	24,738	537	630	322
1955 and later.....	11	...	...	11	373	371	11	11	7
1954.....	208	208	5,999	159	3,894	6,396	207	212	132
1953.....	91	88	4,583	69	2,791	5,113	90	105	56
1952.....	30	30	1,167	28	914	1,285	30	37	19
1951.....	14	13	808	10	668	921	14	19	9
1950.....	14	13	826	10	820	835	13	13	9
1949.....	10	9	1,114	8	999	935	9	15	3
1948.....	8	8	717	8	711	774	8	9	5
1947.....	1	1	62	1	71	71	1	3	1
1946.....	6	6	296	6	232	296	6	10	3
1945 and earlier.....	38	38	3,373	36	2,352	3,507	37	62	12
Year not reported.....	114	108	3,942	80	2,640	4,234	111	134	66
West Virginia.....	29	29	1,104	26	973	1,176	26	31	10
1954.....	6	6	191	6	169	224	6	7	2
1953.....	6	6	419	5	376	422	5	6	2
1952.....	1	1	8	1	8	8	1	1	...
1951.....	1	1	60	1	61	61	1	1	1
1950.....	2	2	60	2	60	65	2	2	...
1949.....	1	1	5	1	5	5	1	1	...
1945 and earlier.....	3	3	23	3	25	37	2	3	2
Year not reported.....	9	9	338	7	269	354	8	10	3
North Carolina.....	1,590	1,547	27,135	1,197	21,350	30,874	1,559	1,752	1,073
1955 and later.....	19	...	...	19	290	288	19	19	17
1954.....	789	789	11,799	609	10,014	13,522	788	852	561
1953.....	195	194	4,723	145	3,200	5,045	191	212	129
1952.....	64	63	1,909	49	915	2,031	63	74	42
1951.....	26	25	484	20	296	594	23	25	13
1950.....	24	24	504	18	393	545	23	26	14
1949.....	13	13	527	11	485	634	13	17	8
1948.....	11	11	206	11	140	227	10	16	6
1947.....	5	5	100	5	93	103	5	8	2
1946.....	8	8	277	8	285	312	8	16	4
1945 and earlier.....	31	31	1,016	29	901	1,208	28	58	14
Year not reported.....	405	384	5,590	273	4,338	6,365	388	429	263
South Carolina.....	494	475	21,524	350	16,504	25,901	474	612	367
1955 and later.....	7	...	...	7	116	116	7	7	6
1954.....	168	168	4,359	117	3,327	5,632	166	189	133
1953.....	65	60	3,485	43	3,124	4,343	59	69	41
1952.....	37	35	2,620	24	1,327	2,920	37	45	29
1951.....	13	13	715	9	387	874	13	15	11
1950.....	27	27	1,674	21	1,045	1,865	27	42	24
1949.....	12	11	538	11	445	658	12	13	8
1948.....	11	11	608	7	441	680	11	21	10
1947.....	9	9	890	7	522	730	9	11	6
1946.....	5	5	240	4	130	275	5	8	3
1945 and earlier.....	18	18	344	15	299	383	13	40	12
Year not reported.....	122	118	6,051	85	5,341	7,425	115	152	84
Georgia.....	857	801	24,681	734	25,271	32,581	828	1,008	649
1955 and later.....	32	...	...	32	464	464	32	36	28
1954.....	248	248	5,156	202	5,402	6,839	246	272	188
1953.....	123	120	3,884	111	2,837	4,660	118	130	98
1952.....	61	61	2,220	52	2,261	2,559	59	66	45
1951.....	39	39	2,243	35	1,936	2,345	39	46	28
1950.....	46	45	1,608	43	1,862	2,059	46	58	40
1949.....	12	12	696	10	743	997	12	16	12
1948.....	32	30	580	29	713	768	32	49	26
1947.....	12	12	1,077	10	1,379	1,494	12	21	9
1946.....	12	12	558	12	395	581	12	22	9
1945 and earlier.....	38	36	1,858	34	1,842	1,883	31	62	25
Year not reported.....	202	186	4,801	164	5,437	7,932	189	230	141

# IRRIGATION IN HUMID AREAS

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Table 14.—FARMS REPORTING, ACRES IRRIGATED, AND SPECIFIED IRRIGATION FACILITIES, BY YEAR IRRIGATION BEGAN, BY STATES: 1955—Continued

State and year irrigation began	Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
		1954		1955			Farms reporting	Number	
		Farms reporting	Acres	Farms reporting	Acres				
Kentucky.....	829	802	13,351	449	6,313	15,204	799	847	257
1955 and later.....	10	...	...	10	81	81	10	10	2
1954.....	432	432	5,701	207	2,461	6,266	425	438	113
1953.....	94	94	2,313	71	1,371	2,698	92	103	41
1952.....	60	59	1,378	41	547	1,585	59	63	24
1951.....	17	16	781	9	397	883	16	19	4
1950.....	12	12	284	8	171	303	12	15	7
1949.....	3	2	54	2	40	150	3	3	2
1948.....	3	3	15	3	18	15	3	6	...
1947.....	1	1	28	1	20	28	1	2	1
1946.....	3	3	179	3	51	134	3	4	1
1945 and earlier.....	11	10	131	10	99	136	7	8	2
Year not reported.....	183	170	2,487	84	1,057	2,925	168	176	60
Tennessee.....	777	712	23,000	558	16,819	27,145	757	836	193
1955 and later.....	25	...	...	25	334	333	25	26	5
1954.....	321	321	6,378	211	5,033	7,604	320	333	73
1953.....	99	94	3,545	67	1,905	3,733	94	105	27
1952.....	67	58	2,674	57	1,757	3,252	64	77	19
1951.....	30	29	1,671	22	1,116	2,121	30	36	12
1950.....	13	13	603	10	496	664	12	15	2
1949.....	4	4	166	3	54	188	4	6	2
1948.....	9	8	464	7	343	616	9	10	3
1947.....	3	3	144	3	108	141	3	3	...
1946.....	3	3	257	3	293	396	3	3	...
1945 and earlier.....	18	14	970	15	1,199	1,711	18	28	5
Year not reported.....	185	165	6,128	135	4,181	6,386	175	193	45
Alabama.....	330	322	15,409	266	12,641	18,353	316	427	145
1955 and later.....	6	...	...	6	408	408	6	15	4
1954.....	103	103	6,089	85	5,194	7,382	103	128	49
1953.....	44	43	1,536	34	1,321	1,926	40	49	16
1952.....	33	33	1,886	24	1,125	2,068	32	36	15
1951.....	17	16	573	17	537	888	17	19	4
1950.....	11	11	515	10	326	526	11	26	6
1949.....	4	4	314	4	285	364	4	8	2
1948.....	7	7	151	5	50	167	7	7	3
1947.....	1	1	85	...	...	85	1	1	...
1946.....	2	2	35	2	35	35	2	2	1
1945 and earlier.....	22	22	334	19	352	390	18	27	7
Year not reported.....	80	80	3,891	60	3,008	4,114	75	109	38
Mississippi.....	909	897	133,743	638	100,835	151,772	851	1,591	265
1955 and later.....	3	...	...	3	250	250	3	3	1
1954.....	381	381	37,925	257	34,049	46,159	359	608	104
1953.....	154	152	20,899	110	16,742	24,038	144	258	52
1952.....	66	64	16,757	51	11,040	17,761	63	156	22
1951.....	48	48	19,753	39	13,658	21,242	47	143	10
1950.....	24	22	7,278	20	5,192	7,973	22	56	10
1949.....	8	7	2,296	5	1,190	3,296	8	18	4
1948.....	7	7	1,609	5	1,044	2,146	7	15	3
1947.....	3	3	311	3	313	563	2	5	2
1946.....	1	1	18	...	...	18	1	1	1
1945 and earlier.....	17	17	1,549	14	1,233	1,562	14	21	5
Year not reported.....	197	195	25,348	131	16,124	26,764	181	307	51

## IRRIGATION IN HUMID AREAS

Table 15.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION

[Data on cost of irrigation systems were reported only for farms

State and year irrigation began		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Total, 28 States.....	6,414	6,085	245,928	5,541	220,082	295,154	6,207	7,530	3,165
2	1955.....	162	...	...	162	3,603	3,573	157	178	84
3	1954.....	2,657	2,657	87,561	2,223	79,547	107,215	2,618	2,963	1,345
4	1953.....	1,091	1,051	47,592	906	37,485	55,840	1,057	1,254	536
5	1952.....	629	590	30,904	537	23,700	35,000	600	761	300
6	1951.....	357	336	19,602	310	16,525	22,624	333	422	171
7	1950.....	493	477	18,164	454	17,129	20,814	461	605	251
8	1949.....	331	312	12,887	302	12,570	15,075	313	405	173
9	1948.....	313	297	14,056	292	14,156	16,872	302	419	139
10	1947.....	186	180	7,630	172	7,892	9,204	179	250	82
11	1946.....	195	185	7,532	183	7,475	8,937	187	273	84
12	Maine.....	24	16	138	22	416	483	20	23	14
13	1954.....	1	1	2	1	18	18	1	1	1
14	1953.....	4	2	31	4	83	88	4	5	3
15	1952.....	3	1	5	3	86	117	3	4	3
16	1951.....	3	3	18	3	25	25	2	2	1
17	1950.....	2	2	16	2	35	40	2	2	2
18	1949.....	6	4	51	4	128	140	3	3	2
19	1948.....	3	2	10	3	23	25	3	3	...
20	1947.....	1	...	...	1	13	25	1	1	1
21	1946.....	1	1	5	1	5	5	1	2	1
22	New Hampshire.....	31	30	510	30	685	718	28	31	15
23	1954.....	5	5	82	4	131	124	4	4	3
24	1953.....	8	7	77	8	159	153	8	8	4
25	1952.....	5	5	64	5	81	82	5	5	3
26	1951.....	3	3	6	3	6	18	3	3	2
27	1950.....	2	2	42	2	50	50	1	2	1
28	1949.....	4	4	172	4	193	225	3	5	2
29	1948.....	2	2	41	2	41	41	2	2	...
30	1946.....	2	2	26	2	24	25	2	2	...
31	Vermont.....	14	14	267	13	275	341	14	16	4
32	1954.....	2	2	5	2	3	5	2	2	1
33	1953.....	5	5	105	4	69	125	5	5	1
34	1952.....	2	2	85	2	91	95	2	4	...
35	1951.....	2	2	50	2	91	90	2	2	...
36	1949.....	1	1	15	1	14	19	1	1	1
37	1948.....	1	1	6	1	6	6	1	1	1
38	1946.....	1	1	1	1	1	1	1	1	...
39	Massachusetts.....	217	199	3,982	205	4,462	5,343	177	213	102
40	1955.....	4	...	...	4	69	70	3	3	1
41	1954.....	21	21	210	21	356	344	20	22	10
42	1953.....	37	35	593	37	685	701	33	36	21
43	1952.....	17	16	212	16	287	348	11	11	8
44	1951.....	23	21	551	21	454	631	18	20	10
45	1950.....	44	41	688	40	770	1,054	36	48	23
46	1949.....	26	24	501	24	561	629	21	28	14
47	1948.....	16	14	352	14	318	444	12	15	3
48	1947.....	14	14	322	13	315	334	12	15	8
49	1946.....	15	13	553	15	647	788	11	15	4
50	Rhode Island.....	17	17	535	15	377	633	16	21	7
51	1952.....	2	2	26	1	32	33	2	2	...
52	1951.....	1	1	80	1	80	80	1	2	1
53	1950.....	4	4	81	4	33	129	4	4	3
54	1949.....	3	3	255	3	174	264	2	4	1
55	1948.....	3	3	30	3	30	44	3	5	1
56	1947.....	3	3	61	2	26	78	3	3	1
57	1946.....	1	1	2	1	2	5	1	1	...
58	Connecticut.....	161	151	5,924	155	6,161	6,679	158	208	98
59	1955.....	5	...	...	5	110	110	5	5	4
60	1954.....	35	35	677	35	720	747	33	35	21
61	1953.....	11	10	228	10	251	324	11	11	8
62	1952.....	11	11	385	11	376	380	11	13	3
63	1951.....	11	10	161	11	279	264	11	12	6
64	1950.....	24	23	559	23	608	724	23	32	12
65	1949.....	29	27	1,011	26	913	1,073	29	33	21
66	1948.....	15	15	975	14	985	1,064	15	29	8
67	1947.....	7	7	270	7	308	345	7	7	6
68	1946.....	13	13	1,658	13	1,611	1,648	13	31	9
69	New York.....	467	434	16,596	449	18,390	20,078	422	512	169
70	1955.....	21	...	...	21	554	525	18	19	8
71	1954.....	91	91	2,547	88	2,994	3,293	82	90	33
72	1953.....	79	75	2,443	77	2,807	3,107	72	79	28
73	1952.....	52	50	1,707	50	1,733	1,921	49	57	26
74	1951.....	30	27	1,315	27	1,379	1,533	24	36	10
75	1950.....	60	60	2,320	59	2,625	2,659	52	61	19
76	1949.....	51	51	2,158	47	2,135	2,489	46	60	18
77	1948.....	42	41	1,976	41	2,007	2,296	40	51	13
78	1947.....	16	15	606	16	609	616	15	20	6
79	1946.....	25	24	1,524	23	1,547	1,633	24	39	8

# IRRIGATION IN HUMID AREAS

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## SYSTEMS, FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY YEAR IRRIGATION BEGAN, BY STATES: 1955

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
35,545,680	5,542	145	6,382	27,477,344	4,305	112	693	826,488	1,193	3.36	3,896	7,241,848	1,859	29.45	1
822,987	5,080	...	163	641,456	3,935	...	15	9,014	601	...	97	172,517	1,779	...	2
12,824,761	4,827	146	2,687	9,810,672	3,692	112	297	253,850	855	2.90	1,609	2,760,239	1,715	31.52	3
5,799,273	5,316	122	1,080	4,502,879	4,169	95	135	152,898	1,133	3.21	652	1,143,496	1,754	24.03	4
3,867,625	6,149	125	617	2,908,253	4,714	94	60	128,088	2,135	4.14	364	831,284	2,284	26.90	5
2,184,118	6,118	111	353	1,637,953	4,640	84	44	107,087	2,434	5.46	208	439,078	2,111	22.40	6
2,874,562	5,831	158	489	2,238,561	4,578	123	49	41,778	853	2.30	317	594,223	1,875	32.71	7
2,190,685	6,618	170	330	1,789,524	5,423	139	30	31,122	1,037	2.41	220	370,039	1,682	28.71	8
2,244,495	7,171	160	312	1,768,786	5,669	126	26	35,245	1,356	2.51	193	440,464	2,282	31.34	9
1,265,585	6,804	166	186	991,493	5,331	130	18	41,666	2,315	5.46	110	232,426	2,113	30.46	10
1,471,589	7,547	195	195	1,187,767	6,091	158	19	25,740	1,355	3.42	126	258,082	2,048	34.26	11
66,866	2,786	485	23	57,011	2,479	413	1	600	600	4.35	14	9,255	661	67.07	12
3,900	3,900	1,950	1	2,700	2,700	1,350	1	600	600	300.00	1	600	600	300.00	13
13,366	3,342	431	4	10,266	2,566	331	...	...	...	...	3	3,100	1,033	100.00	14
16,970	5,657	3,394	3	15,100	5,033	3,020	...	...	...	...	3	1,870	623	374.00	15
2,715	905	151	3	2,615	872	145	...	...	...	...	1	100	100	5.56	16
5,900	2,950	369	2	5,000	2,500	312	...	...	...	...	2	900	450	56.25	17
17,005	2,834	333	5	15,120	3,024	296	...	...	...	...	2	1,885	942	36.96	18
4,320	1,440	432	3	4,320	1,440	432	...	...	...	...	...	...	...	...	19
2,100	2,100	...	1	1,600	1,600	...	...	...	...	...	1	500	500	...	20
590	590	118	1	290	290	58	...	...	...	...	1	300	300	60.00	21
88,468	2,854	173	30	68,898	2,297	135	6	2,081	347	4.08	15	17,489	1,166	34.29	22
12,435	2,487	152	4	9,600	2,400	117	1	200	200	2.44	3	2,635	878	32.13	23
19,650	2,456	255	8	17,050	2,131	211	2	600	300	7.79	4	2,000	500	25.97	24
16,055	3,211	251	5	9,120	1,824	142	2	1,081	540	16.89	3	5,854	1,951	91.47	25
3,400	1,133	567	3	2,250	750	200	1	200	200	33.33	2	950	475	158.33	26
5,550	2,775	132	2	3,400	1,700	81	...	...	...	...	1	2,150	2,150	51.19	27
23,213	5,803	135	4	19,313	4,828	112	...	...	...	...	2	3,900	1,950	22.67	28
2,765	1,382	67	2	2,765	1,382	67	...	...	...	...	...	...	...	...	29
5,400	2,700	208	2	5,400	2,700	208	...	...	...	...	...	...	...	...	30
30,008	2,143	112	14	28,513	2,037	107	...	...	...	...	5	1,495	299	5.60	31
1,123	562	225	2	1,013	506	203	...	...	...	...	1	110	110	22.00	32
12,600	2,520	120	5	11,600	2,320	110	...	...	...	...	2	1,000	500	9.52	33
2,900	1,450	34	2	2,900	1,450	34	...	...	...	...	...	...	...	...	34
4,200	2,100	84	2	4,200	2,100	84	...	...	...	...	...	...	...	...	35
3,325	3,325	222	1	3,300	3,300	220	...	...	...	...	1	25	25	1.67	36
3,360	3,360	560	1	3,000	3,000	500	...	...	...	...	1	360	360	60.00	37
2,500	2,500	2,500	1	2,500	2,500	2,500	...	...	...	...	...	...	...	...	38
731,941	3,373	184	215	620,932	2,888	156	24	21,891	912	5.50	112	89,118	796	22.38	39
11,350	2,838	...	4	10,800	2,700	...	1	300	300	...	1	250	250	...	40
49,081	2,337	234	21	44,535	2,121	212	3	580	193	2.76	11	3,966	361	18.89	41
93,623	2,530	158	35	80,324	2,295	135	6	3,461	577	5.84	23	9,838	428	16.59	42
30,073	1,769	142	17	27,073	1,593	128	...	...	...	...	8	3,000	375	14.15	43
75,005	3,261	136	23	49,600	2,157	90	3	13,700	4,567	24.86	11	11,705	1,064	21.24	44
156,010	3,546	227	44	137,111	3,116	199	5	1,350	270	1.96	25	17,549	702	25.51	45
137,151	5,275	274	26	117,096	4,504	234	1	1,000	1,000	2.00	15	19,055	1,270	38.03	46
41,834	2,615	119	16	40,469	2,529	115	1	200	200	0.57	4	1,165	291	3.31	47
50,843	3,632	158	14	41,813	2,987	130	3	1,280	427	3.98	8	7,750	969	24.07	48
86,971	5,798	157	15	72,111	4,807	130	1	20	20	0.04	6	14,840	2,473	26.84	49
63,525	3,737	119	17	54,045	3,179	101	...	...	...	...	8	9,480	1,185	17.72	50
2,705	1,352	104	2	2,705	1,352	104	...	...	...	...	...	...	...	...	51
15,000	15,000	188	1	12,000	12,000	150	...	...	...	...	1	3,000	3,000	37.50	52
9,780	2,445	121	4	8,700	2,175	107	...	...	...	...	3	1,080	360	13.33	53
15,740	5,247	62	3	12,740	4,247	50	...	...	...	...	1	3,000	3,000	11.76	54
14,100	4,700	470	3	12,700	4,233	423	...	...	...	...	2	1,400	700	46.67	55
5,450	1,817	89	3	4,450	1,483	73	...	...	...	...	1	1,000	1,000	16.39	56
750	750	375	1	750	750	375	...	...	...	...	...	...	...	...	57
1,279,209	7,945	216	160	1,020,923	6,381	172	21	15,500	738	2.62	101	242,786	2,404	40.98	58
29,602	5,920	...	5	21,602	4,320	...	1	2,000	2,000	...	4	6,000	1,500	...	59
117,143	3,347	173	34	99,064	2,914	146	3	1,000	333	1.48	22	17,079	776	25.23	60
40,480	3,680	178	11	29,600	2,691	130	...	...	...	...	8	10,880	1,360	47.72	61
50,439	4,585	131	11	47,239	4,294	123	1	300	300	0.78	3	2,900	967	7.53	62
49,350	4,486	307	11	43,200	3,927	268	...	...	...	...	6	6,150	1,025	38.20	63
144,247	6,010	258	24	113,244	4,718	203	2	550	275	0.98	12	30,453	2,538	54.48	64
162,319	6,287	180	29	150,499	5,190	149	7	4,600	657	4.55	23	27,220	1,183	26.92	65
235,039	15,669	241	15	176,710	11,781	181	3	2,050	683	2.10	8	56,279	7,035	57.72	66
53,350	7,621	198	7	35,550	5,079	132	1	4,200	4,200	15.56	6	13,600	2,267	50.37	67
377,240	29,018	228	13	304,215	23,401	183	3	800	267	0.48	9	72,225	8,025	43.56	68
2,560,967	5,484	154	467	2,099,369	4,495	126	26	29,961	1,152	1.81	301	431,637	1,434	26.01	69
85,985	4,095	...	21	67,621	3,220	...	2	229	114	...	10	18,135	1,814	...	70
399,094	4,386	157	91	347,277	3,816	136	4	3,120	780	1.22	49	48,697	994	19.12	71
350,842	4,441	144	79	296,168	3,749	121	6	5,300	883	2.17	48	49,374	1,029	20.21	72
285,444	5,489	167	52	235,099	4,521	138	1	68	68	0.04	37	50,277	1,359	29.45	73
159,508	5,317	121	30	134,550	4,485	102	2	1,500	750	1.14	15	23,458	1,564	17.84	74
380,834	6,347	164	60	303,703	5,062	131	4	1,420	355	0.61	39	75,711	1,941	32.63	75
317,046	6,217	147	51	262,096	5,139	121	4	2,314	578	1.07	38	52,636	1,385	24.39	76
281,078	6,692	142	42	224,258	5,339	113	1	4,000	4,000	2.02	32	52,820	1,651	26.73	77
83,760	5,235	138	16	68,550	4,284	113	1	10	10	0.02	11	15,200	1,382	25.08	78
217,376	8,695	143	25	160,047	6,402	105	1	12,000	12,000	7.87	22	45,329	2,060	29.74	79

## IRRIGATION IN HUMID AREAS

Table 15.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS,

[Data on cost of irrigation systems were reported only for farms

Data on cost of irrigation systems were reported only for farms										
State and year irrigation began		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	New Jersey.....	560	520	20,343	541	24,339	24,291	540	683	328
2	1955.....	21	...	...	21	408	408	20	23	10
3	1954.....	188	188	6,206	178	7,714	8,126	187	218	109
4	1953.....	68	64	2,835	67	3,848	3,364	65	83	41
5	1952.....	46	43	1,417	45	1,665	1,541	42	49	26
6	1951.....	41	38	1,722	41	1,864	1,827	37	46	25
7	1950.....	61	59	2,225	58	2,348	2,439	59	76	39
8	1949.....	52	48	2,902	50	3,213	3,076	51	77	34
9	1948.....	34	33	1,620	34	1,673	1,842	34	46	18
10	1947.....	19	18	721	19	886	725	17	24	10
11	1946.....	30	29	695	28	720	943	28	41	16
12	Pennsylvania.....	277	266	7,681	263	8,398	9,502	272	304	134
13	1955.....	9	...	...	9	101	101	9	10	3
14	1954.....	145	145	3,826	137	4,137	4,695	143	155	65
15	1953.....	34	34	1,175	31	1,271	1,491	34	37	20
16	1952.....	24	24	952	24	1,086	1,193	24	25	13
17	1951.....	10	9	225	10	243	271	10	13	7
18	1950.....	18	18	479	18	514	550	16	20	10
19	1949.....	18	18	633	17	610	691	17	21	11
20	1948.....	6	5	68	5	77	79	6	8	2
21	1947.....	8	8	236	8	261	301	8	10	1
22	1946.....	5	5	87	4	98	130	5	5	2
23	Ohio.....	225	216	5,193	195	4,521	5,944	218	258	97
24	1955.....	6	...	...	6	42	42	6	8	2
25	1954.....	82	82	1,931	71	1,694	2,283	82	92	41
26	1953.....	43	41	1,276	37	1,180	1,368	41	45	14
27	1952.....	26	25	427	21	277	477	24	26	11
28	1951.....	10	10	238	7	119	249	10	12	6
29	1950.....	12	12	216	12	232	252	12	20	8
30	1949.....	5	5	101	3	16	131	4	5	1
31	1948.....	13	13	246	13	275	283	11	14	5
32	1947.....	18	18	500	16	453	558	18	21	4
33	1946.....	10	10	258	9	233	301	10	15	5
34	Indiana.....	120	118	7,283	94	5,857	8,416	118	150	40
35	1955.....	1	...	...	1	16	16	1	1	...
36	1954.....	63	63	2,765	45	1,939	3,090	63	67	19
37	1953.....	15	14	1,033	11	402	1,129	14	16	5
38	1952.....	10	10	309	9	189	455	10	11	4
39	1951.....	9	9	191	8	186	200	9	10	4
40	1950.....	9	9	408	9	168	419	8	16	1
41	1948.....	10	10	2,536	9	2,928	3,055	10	26	6
42	1947.....	1	1	20	1	20	20	1	1	1
43	1946.....	2	2	21	1	9	32	2	2	...
44	Illinois.....	66	61	1,404	53	1,258	1,663	64	82	21
45	1955.....	5	...	...	5	95	94	5	5	2
46	1954.....	25	25	811	20	652	874	24	29	8
47	1953.....	8	8	149	5	95	170	8	13	4
48	1952.....	2	2	53	2	61	62	2	2	1
49	1951.....	4	4	29	4	38	39	3	3	1
50	1950.....	5	5	66	5	54	71	5	8	1
51	1949.....	1	1	5	1	5	5	1	1	...
52	1948.....	9	9	129	5	87	153	9	10	1
53	1947.....	4	4	70	4	118	112	4	7	1
54	1946.....	3	3	92	2	53	83	3	4	2
55	Wisconsin.....	133	125	4,615	121	5,072	6,147	132	154	48
56	1954.....	17	17	502	15	672	713	17	18	12
57	1953.....	13	13	462	12	517	599	13	16	5
58	1952.....	11	9	320	10	380	486	11	13	1
59	1951.....	5	5	38	4	39	49	5	5	2
60	1950.....	22	20	1,109	19	1,112	1,425	22	26	7
61	1949.....	22	20	781	20	791	1,096	22	25	5
62	1948.....	24	22	604	23	676	781	24	26	10
63	1947.....	13	13	548	12	474	597	12	16	6
64	1946.....	6	6	251	6	411	401	6	9	...
65	Michigan.....	547	502	9,832	512	11,545	13,638	539	621	257
66	1955.....	9	...	...	9	128	128	9	9	6
67	1954.....	99	99	1,623	89	2,171	2,248	98	107	48
68	1953.....	72	69	1,330	67	1,463	1,713	72	82	31
69	1952.....	60	53	1,137	55	1,374	1,588	57	66	26
70	1951.....	38	35	574	37	718	775	37	41	17
71	1950.....	80	76	1,106	78	1,288	1,390	79	90	39
72	1949.....	51	45	755	46	953	1,282	51	60	32
73	1948.....	48	43	1,161	47	1,441	1,498	47	54	21
74	1947.....	49	46	1,350	45	1,220	1,961	48	66	19
75	1946.....	41	36	796	39	789	1,055	41	46	18

# IRRIGATION IN HUMID AREAS

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## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY YEAR IRRIGATION BEGAN, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
3,659,940	6,536	180	559	3,000,933	5,368	148	80	48,387	605	2.38	409	610,620	1,493	30.02	1
72,061	3,431	...	21	60,598	2,886	...	1	35	35	...	11	11,428	1,039	...	2
1,036,168	5,512	167	188	867,205	4,613	140	29	9,535	329	1.54	138	159,428	1,155	25.69	3
502,266	7,386	177	68	413,391	6,079	146	9	7,021	780	2.48	51	81,854	1,605	28.87	4
336,136	7,307	237	46	283,278	6,158	200	9	3,015	335	2.13	37	49,843	1,347	35.18	5
286,526	6,988	166	41	239,855	5,850	139	8	4,780	598	2.78	28	41,891	1,496	24.33	6
434,515	7,123	195	61	321,872	5,277	145	6	1,750	292	0.79	47	110,893	2,359	49.84	7
511,246	9,832	176	52	417,332	8,026	144	4	4,100	1,025	1.41	40	89,814	2,245	30.95	8
210,578	6,193	130	33	180,175	5,460	111	3	2,200	733	1.36	23	28,203	1,226	17.41	9
142,327	7,491	197	19	121,101	6,374	168	5	6,076	1,215	8.43	10	15,150	1,515	21.01	10
128,117	4,271	184	30	96,126	3,204	138	6	9,875	1,646	14.21	24	22,116	922	31.82	11
1,227,710	4,432	160	277	1,058,772	3,822	138	11	3,051	277	0.40	143	165,887	1,160	21.60	12
20,715	2,302	...	9	18,440	2,049	...	...	...	...	...	3	2,275	758	...	13
606,825	4,185	159	145	537,911	3,710	141	5	683	137	0.18	71	68,231	961	17.83	14
175,635	5,166	149	34	137,210	4,036	117	1	100	100	0.09	21	38,325	1,825	32.62	15
122,373	5,099	129	24	104,200	4,342	109	...	...	...	...	13	18,173	1,398	19.09	16
37,011	3,701	164	10	30,315	3,032	135	1	600	600	2.67	7	6,096	871	27.09	17
91,918	5,107	192	18	81,836	4,546	171	2	1,550	775	3.24	11	8,532	776	17.81	18
106,238	5,902	168	18	88,915	4,940	140	1	18	18	0.03	11	17,305	1,573	27.34	19
19,375	3,229	285	6	15,875	2,646	233	...	...	...	...	2	3,500	1,750	51.47	20
23,720	2,965	101	8	23,120	2,890	98	1	100	100	0.42	1	500	500	2.12	21
23,900	4,780	275	5	20,950	4,190	241	...	...	...	...	3	2,950	983	33.91	22
932,641	4,145	180	225	729,121	3,241	140	11	13,280	1,207	2.56	132	190,240	1,441	36.63	23
17,056	2,843	...	6	10,931	1,822	...	...	...	...	...	4	6,125	1,531	...	24
304,947	3,719	158	82	226,388	2,761	117	5	5,400	1,080	2.80	54	73,159	1,355	37.89	25
181,582	4,223	142	43	147,781	3,437	116	3	4,300	1,433	3.37	22	29,501	1,341	23.12	26
79,042	3,040	185	26	66,158	2,545	155	1	500	500	1.17	13	12,384	953	29.00	27
40,530	4,053	170	10	30,925	3,092	130	1	80	80	0.34	6	9,525	1,588	40.02	28
63,500	5,292	294	12	47,950	3,996	222	...	...	...	...	10	15,550	1,555	71.99	29
20,600	4,120	204	5	19,150	3,830	190	...	...	...	...	2	1,450	725	14.36	30
61,944	4,765	252	13	44,650	3,435	182	1	3,000	3,000	12.20	6	14,294	2,382	58.11	31
104,890	5,827	210	18	87,465	4,859	175	...	...	...	...	10	17,425	1,742	34.85	32
58,550	5,855	227	10	47,723	4,772	185	...	...	...	...	5	10,827	2,165	41.97	33
763,815	6,365	105	120	643,216	5,360	88	4	5,550	1,388	0.76	73	115,049	1,576	15.80	34
3,656	3,656	...	1	2,492	2,492	...	...	...	...	...	1	1,164	1,164	...	35
296,877	4,712	107	64	267,635	4,182	97	2	3,050	1,525	1.10	38	26,192	689	9.47	36
93,926	6,262	91	14	82,143	5,867	80	...	...	...	...	7	11,783	1,683	11.41	37
36,780	3,678	119	10	31,775	3,178	103	1	500	500	1.62	6	4,505	751	14.58	38
36,360	4,040	190	9	32,125	3,569	168	...	...	...	...	6	4,235	706	22.17	39
48,041	5,338	118	9	38,796	4,311	95	1	2,000	2,000	4.90	6	7,245	1,208	17.76	40
234,600	23,460	93	10	176,350	17,635	70	...	...	...	...	7	58,250	8,321	22.97	41
3,075	3,075	154	1	2,600	2,600	130	...	...	...	...	1	475	475	23.75	42
10,500	5,250	500	2	9,300	4,650	443	...	...	...	...	1	1,200	1,200	57.14	43
274,312	4,156	195	66	227,311	3,444	162	3	400	133	0.28	37	46,601	1,259	33.19	44
14,275	2,855	...	5	12,125	2,425	...	1	50	50	...	2	2,100	1,050	...	45
103,705	4,148	128	25	82,880	3,315	102	...	...	...	...	12	20,825	1,735	25.68	46
28,237	3,530	190	8	21,947	2,743	147	1	50	50	0.34	7	6,240	891	41.88	47
14,400	7,200	272	2	12,300	6,150	232	...	...	...	...	2	2,100	1,050	39.62	48
8,880	2,220	306	4	8,000	2,000	276	...	...	...	...	1	880	880	30.34	49
17,500	3,500	265	5	15,200	3,040	230	...	...	...	...	2	2,300	1,150	34.85	50
1,617	1,617	323	1	700	700	140	...	...	...	...	1	917	917	183.40	51
37,400	4,156	290	9	35,100	3,900	272	...	...	...	...	4	2,300	575	17.83	52
23,139	5,785	331	4	18,000	4,500	257	...	...	...	...	4	5,139	1,285	73.41	53
25,159	8,386	273	3	21,059	7,020	229	1	300	300	3.26	2	3,800	1,900	41.30	54
702,669	5,283	152	133	626,048	4,707	136	8	5,410	676	1.17	68	71,211	1,047	15.43	55
78,706	4,630	157	17	68,999	4,059	137	3	1,230	410	2.45	11	8,477	771	16.89	56
76,900	5,915	166	13	61,600	4,738	133	1	1,800	1,800	3.90	8	13,500	1,688	29.22	57
51,621	4,693	161	11	46,241	4,204	145	...	...	...	...	5	5,380	1,076	16.81	58
12,950	2,590	341	5	11,900	2,380	313	1	600	600	15.79	2	450	225	11.84	59
137,740	6,261	124	22	127,275	5,785	115	...	...	...	...	9	10,465	1,163	9.44	60
129,155	5,871	165	22	120,725	5,488	155	2	1,580	790	2.02	7	6,850	979	8.77	61
109,442	4,560	181	24	94,333	3,931	156	1	200	200	0.33	15	14,909	994	24.68	62
71,905	5,531	131	13	64,575	4,967	118	...	...	...	...	7	7,330	1,047	13.38	63
34,250	5,708	136	6	30,400	5,067	121	...	...	...	...	4	3,850	962	15.34	64
2,243,235	4,101	228	545	1,921,974	3,527	195	43	41,196	958	4.19	329	280,065	851	28.49	65
26,685	2,965	...	9	22,635	2,515	...	...	...	...	...	7	4,050	579	...	66
334,774	3,382	206	98	293,846	2,998	181	7	3,070	439	1.89	61	37,858	621	23.33	67
280,508	3,896	211	72	233,857	3,248	176	8	4,522	565	3.40	44	42,129	957	31.68	68
227,421	3,790	200	59	192,582	3,264	169	5	3,974	795	3.50	35	30,865	882	27.15	69
115,780	3,047	202	38	106,194	2,795	185	...	...	...	...	35	9,586	479	16.70	70
257,013	3,213	232	80	221,543	2,769	200	4	1,100	275	0.99	46	34,370	747	31.08	71
209,996	4,118	278	51	179,625	3,522	238	5	2,910	582	3.85	36	27,461	763	36.37	72
300,905	6,269	259	48	257,475	5,364	222	5	2,000	400	1.72	29	41,430	1,429	35.68	73
321,752	6,566	238	49	266,263	5,434	197	5	22,500	4,500	16.67	27	32,969	1,222	24.44	74
168,401	4,107	212	41	147,954	3,609	186	4	1,120	280	1.41	24	19,327	805	24.28	75

## IRRIGATION IN HUMID AREAS

Table 15.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS,

[Data on cost of irrigation systems were reported only for farms

[Data on cost of irrigation systems were reported only for farms]										
State and year irrigation began		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	Minnesota.....	94	90	2,719	81	2,509	3,392	93	108	8
2	1955.....	3	...	...	3	151	151	3	4	...
3	1954.....	20	20	620	16	469	684	19	20	2
4	1953.....	12	12	302	9	211	345	12	12	1
5	1952.....	12	12	175	10	208	338	12	12	2
6	1951.....	10	9	376	9	246	414	10	11	1
7	1950.....	10	10	167	9	198	238	10	11	1
8	1949.....	11	11	500	11	469	573	11	13	...
9	1948.....	10	10	344	10	364	393	10	14	1
10	1947.....	4	4	133	3	73	133	4	6	...
11	1946.....	2	2	102	1	120	123	2	5	...
12	Iowa.....	21	20	576	20	727	820	20	23	8
13	1954.....	16	16	384	15	588	638	15	17	7
14	1952.....	1	1	38	1	35	28	1	1	1
15	1950.....	1	1	94	1	60	94	1	1	...
16	1949.....	1	1	10	1	10	10	1	2	...
17	1946.....	2	1	50	2	34	50	2	2	...
18	Missouri.....	280	271	15,528	206	9,818	17,340	264	320	50
19	1955.....	2	...	...	2	88	88	2	2	...
20	1954.....	150	150	8,089	112	5,319	9,288	146	168	25
21	1953.....	72	68	4,807	49	2,735	5,111	68	83	9
22	1952.....	26	23	1,150	16	533	1,253	23	27	7
23	1951.....	8	8	699	7	689	757	6	11	1
24	1950.....	9	9	509	8	249	553	8	15	3
25	1949.....	4	4	189	3	111	193	4	4	2
26	1948.....	4	4	36	4	44	45	3	4	2
27	1947.....	1	1	7	1	8	10	1	2	1
28	1946.....	4	4	42	4	42	42	3	4	...
29	Delaware.....	33	32	2,600	31	3,187	3,359	33	39	21
30	1955.....	1	...	...	1	30	30	1	1	1
31	1954.....	19	19	1,549	17	1,996	2,106	19	22	11
32	1953.....	10	10	706	10	736	773	10	11	7
33	1952.....	1	1	80	1	120	120	1	2	1
34	1947.....	1	1	180	1	210	210	1	2	1
35	1946.....	1	1	85	1	95	120	1	1	...
36	Maryland.....	101	93	5,328	92	6,157	7,068	100	119	58
37	1955.....	4	...	...	4	109	109	4	4	3
38	1954.....	53	53	1,789	50	2,208	2,450	53	57	32
39	1953.....	19	18	1,131	16	763	1,253	19	21	9
40	1952.....	5	3	111	4	513	591	5	5	1
41	1951.....	8	7	1,213	6	1,245	1,288	7	9	7
42	1950.....	4	4	196	4	225	141	4	5	1
43	1949.....	1	1	54	1	100	100	1	1	...
44	1948.....	2	2	151	2	61	151	2	2	1
45	1947.....	2	2	620	2	830	830	2	10	1
46	1946.....	3	3	63	3	103	155	3	5	3
47	Virginia.....	297	284	11,793	255	9,042	13,219	294	325	192
48	1955.....	8	...	...	8	303	303	8	8	5
49	1954.....	150	150	4,799	132	3,284	5,190	150	152	101
50	1953.....	77	74	3,370	60	2,128	3,894	76	88	47
51	1952.....	23	22	937	22	819	1,002	22	28	14
52	1951.....	12	11	274	8	223	441	12	14	8
53	1950.....	8	8	628	7	654	627	7	7	6
54	1949.....	6	6	806	5	718	727	6	10	3
55	1948.....	7	7	627	7	616	674	7	8	4
56	1947.....	1	1	62	1	71	71	1	3	1
57	1946.....	5	5	290	5	226	290	5	7	3
58	West Virginia.....	16	16	736	15	671	777	15	17	5
59	1954.....	6	6	191	6	169	224	6	7	2
60	1953.....	5	5	412	4	368	414	4	5	2
61	1952.....	1	1	8	1	8	8	1	1	...
62	1951.....	1	1	60	1	61	61	1	1	1
63	1950.....	2	2	60	2	60	65	2	2	...
64	1949.....	1	1	5	1	5	5	1	1	...
65	North Carolina.....	799	781	15,391	672	12,123	17,920	793	882	588
66	1955.....	13	...	...	13	239	239	13	13	11
67	1954.....	530	530	9,102	458	8,146	10,560	529	573	403
68	1953.....	139	138	3,472	108	2,174	3,905	138	152	97
69	1952.....	57	55	1,800	44	865	1,921	56	67	40
70	1951.....	20	19	307	15	129	417	19	21	11
71	1950.....	15	14	194	11	149	227	14	15	9
72	1949.....	11	11	259	9	217	366	11	14	8
73	1948.....	8	8	150	8	83	150	7	13	5
74	1947.....	1	1	16	1	12	16	1	2	1
75	1946.....	5	5	91	5	109	119	5	12	3

# IRRIGATION IN HUMID AREAS

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## FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY YEAR IRRIGATION BEGAN, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
520,844	5,541	192	94	454,455	4,835	167	6	5,533	922	2.03	44	60,856	1,383	22.38	1
12,500	4,167	...	3	12,500	4,167	...	...	...	...	...	...	...	...	...	2
90,734	4,537	146	20	74,276	3,714	120	1	2,500	2,500	4.03	7	13,958	1,994	22.51	3
53,742	4,478	178	12	42,967	3,581	142	2	675	338	2.24	6	10,100	1,683	33.44	4
33,558	7,796	535	12	87,858	7,322	502	...	...	...	...	5	5,700	1,140	32.57	5
57,181	5,518	147	10	46,506	4,651	124	1	75	75	0.20	5	8,600	1,720	22.87	6
31,072	3,107	186	10	26,796	2,680	160	1	283	283	1.69	7	3,993	570	23.91	7
61,179	5,562	122	11	58,043	5,277	116	...	...	...	...	3	3,136	1,045	6.27	8
61,893	6,189	180	10	52,314	5,231	152	1	2,000	2,000	5.81	7	7,579	1,083	22.03	9
20,940	5,235	157	4	18,150	4,538	136	...	...	...	...	3	2,790	930	20.98	10
40,045	20,022	393	2	35,045	17,522	344	...	...	...	...	1	5,000	5,000	49.02	11
83,107	3,957	144	21	71,047	3,383	123	2	790	395	1.37	12	11,270	939	19.57	12
56,102	3,506	146	16	46,387	2,899	121	2	790	395	2.06	8	8,925	1,116	23.24	13
2,425	2,425	64	1	2,400	2,400	63	...	...	...	...	1	25	25	0.66	14
8,500	8,500	90	1	8,000	8,000	85	...	...	...	...	1	500	500	5.32	15
360	360	36	1	300	300	30	...	...	...	...	1	60	60	6.00	16
15,720	7,860	314	2	13,960	6,980	279	...	...	...	...	1	1,760	1,760	35.20	17
1,318,692	4,710	85	278	1,105,366	3,976	71	39	35,111	900	2.26	98	178,215	1,819	11.48	18
5,150	2,575	...	2	4,600	2,300	...	...	...	...	...	1	550	550	...	19
707,524	4,717	87	152	580,188	3,817	72	20	16,591	830	2.05	60	110,745	1,846	13.69	20
327,731	4,552	68	70	290,918	4,156	61	10	9,805	980	2.04	14	27,008	1,929	5.62	21
98,697	3,796	86	24	84,135	3,506	73	3	1,400	467	1.22	10	13,162	1,316	11.45	22
47,850	5,981	68	8	38,950	4,869	56	2	5,000	2,500	7.15	3	3,900	1,300	5.58	23
55,400	6,156	109	9	45,350	5,039	89	2	2,000	1,000	3.93	4	8,050	2,012	15.82	24
37,400	9,350	198	4	29,500	7,375	156	...	...	...	...	2	7,900	3,950	41.80	25
11,340	2,835	315	4	9,925	2,481	276	1	15	15	0.42	2	1,400	700	38.89	26
1,800	1,800	257	1	1,300	1,300	186	...	...	...	...	1	500	500	71.43	27
25,800	6,450	614	4	20,500	5,125	488	1	300	300	7.14	1	5,000	5,000	119.05	28
356,853	10,814	137	33	298,567	9,047	115	3	2,500	833	0.96	24	55,786	2,324	21.46	29
10,000	10,000	...	1	8,000	8,000	...	...	...	...	...	1	2,000	2,000	...	30
215,833	11,360	139	19	192,684	10,141	124	2	600	300	0.39	14	22,549	1,611	14.56	31
86,520	8,652	123	10	65,383	6,538	93	...	...	...	...	7	21,137	3,020	29.94	32
19,500	19,500	244	1	10,000	10,000	125	1	1,900	1,900	23.75	1	7,600	7,600	95.00	33
19,000	19,000	106	1	16,500	16,500	92	...	...	...	...	1	2,500	2,500	13.89	34
6,000	6,000	71	1	6,000	6,000	71	...	...	...	...	...	...	...	...	35
687,578	6,808	129	100	534,795	5,348	100	9	8,025	892	1.51	66	144,758	2,193	27.17	36
11,873	2,968	...	4	9,336	2,334	...	...	...	...	...	3	2,537	846	...	37
255,114	4,813	143	53	214,596	4,049	120	2	2,500	1,250	1.40	36	38,018	1,056	21.25	38
102,910	5,416	91	19	83,010	4,369	73	3	2,100	700	1.86	12	17,800	1,483	15.74	39
51,120	10,224	461	5	50,320	10,064	453	...	...	...	...	1	800	800	7.21	40
73,450	9,181	61	7	58,750	8,393	48	...	50	50	0.04	7	14,650	2,093	12.08	41
32,450	8,112	166	4	30,500	7,625	156	1	250	250	1.28	2	1,700	850	8.67	42
8,000	8,000	148	1	5,000	5,000	93	...	3,000	3,000	55.56	...	...	...	...	43
11,300	5,650	75	2	7,800	3,900	52	...	...	...	...	1	3,500	3,500	23.18	44
119,051	59,526	192	2	56,051	28,026	90	...	...	...	...	1	63,000	63,000	101.61	45
22,310	7,437	354	3	19,432	6,477	308	1	125	125	1.98	3	2,753	918	43.70	46
1,812,422	6,102	154	296	1,337,113	4,517	113	19	21,420	1,127	1.82	202	453,889	2,247	38.49	47
58,650	7,331	...	8	42,100	5,262	...	1	100	100	...	5	16,450	3,290	...	48
775,329	5,169	162	150	559,213	3,728	117	11	7,000	636	1.46	105	209,116	1,992	43.57	49
423,396	5,499	126	77	328,021	4,260	97	6	9,320	1,553	2.77	48	86,055	1,793	25.54	50
144,036	6,262	154	22	88,100	4,005	94	...	...	...	...	15	55,936	3,729	59.70	51
78,409	6,534	286	12	53,359	4,447	195	...	...	...	...	8	25,050	3,131	91.42	52
91,592	11,449	146	8	78,420	9,802	125	...	...	...	...	6	13,172	2,195	20.97	53
108,750	18,125	135	6	85,000	14,167	105	...	...	...	...	4	23,750	5,938	29.47	54
92,550	13,221	148	7	72,200	10,314	115	1	5,000	5,000	7.97	5	15,350	3,070	24.48	55
7,800	7,800	126	1	6,000	6,000	97	...	...	...	...	1	1,800	1,800	29.03	56
31,910	6,382	110	5	24,700	4,940	85	...	...	...	...	5	7,210	1,442	24.86	57
89,590	5,599	122	16	67,490	4,218	92	1	200	200	0.27	5	21,900	4,380	29.76	58
24,790	4,132	130	6	20,290	3,382	106	...	...	...	...	2	4,500	2,250	23.56	59
41,500	8,300	101	5	30,900	6,180	75	1	200	200	0.49	2	10,400	5,200	25.24	60
2,400	2,400	300	1	2,400	2,400	300	...	...	...	...	...	...	...	...	61
13,900	13,900	232	1	6,900	6,900	115	...	...	...	...	1	7,000	7,000	116.67	62
5,000	2,500	83	2	5,000	2,500	83	...	...	...	...	...	...	...	...	63
2,000	2,000	400	1	2,000	2,000	400	...	...	...	...	...	...	...	...	64
3,988,395	4,992	259	796	2,832,441	3,558	184	59	37,676	639	2.45	613	1,118,278	1,824	72.66	65
105,427	8,110	...	13	72,012	5,539	...	1	1,200	1,200	...	12	32,215	2,685	...	66
2,521,694	4,758	277	529	1,789,394	3,383	197	35	22,696	648	2.49	419	709,604	1,694	77.96	67
658,762	4,739	190	139	451,343	3,247	130	12	6,465	539	1.86	100	200,954	2,010	57.88	68
349,634	6,134	194	56	261,730	4,674	145	2	520	260	0.29	41	87,384	2,131	48.55	69
72,930	3,646	238	19	55,600	2,926	181	1	10	10	0.03	14	17,320	1,237	56.42	70
41,065	2,738	212	15	29,460	1,964	152	3	605	202	3.12	9	11,000	1,222	56.70	71
99,200	9,018	383	11	67,250	6,114	260	2	2,500	1,250	9.65	9	29,450	3,272	113.71	72
41,385	5,173	276	8	26,155	3,269	174	3	3,680	1,227	24.53	5	11,550	2,310	77.00	73
4,848	4,848	303	1	3,597	3,597	225	...	...	...	...	1	1,251	1,251	78.19	74
93,450	18,690	1,027	5	75,900	15,180	834	...	...	...	...	3	17,550	5,850	192.86	75

## IRRIGATION IN HUMID AREAS

Table 15.—FARMS REPORTING, ACRES IRRIGATED, SPECIFIED IRRIGATION FACILITIES, AND COST OF IRRIGATION SYSTEMS,

[Data on cost of irrigation systems were reported only for farms

[Data on cost of irrigation systems were reported only for farms]										
State and year irrigation began		Number of farms reporting irrigation, 1955	Area irrigated				Largest acreage irrigated in any year (acres)	Pumps, 1955		Farms reporting reservoirs, dams, etc., for storing water, 1955
			1954		1955			Farms reporting	Number	
			Farms reporting	Acres	Farms reporting	Acres				
1	South Carolina.....	234	223	10,180	183	6,956	11,848	229	279	187
2	1955.....	5	...	...	5	84	84	5	5	4
3	1954.....	97	97	2,638	76	2,235	3,547	93	105	80
4	1953.....	41	38	1,477	30	953	1,712	40	45	32
5	1952.....	29	28	2,258	22	1,052	2,273	29	37	23
6	1951.....	10	9	675	8	377	832	10	12	8
7	1950.....	21	21	1,307	16	848	1,416	21	32	18
8	1949.....	11	10	516	11	445	628	11	12	7
9	1948.....	7	7	379	5	326	451	7	14	7
10	1947.....	8	8	690	6	506	630	8	9	5
11	1946.....	5	5	240	4	130	275	5	8	3
12	Georgia.....	408	381	12,679	370	12,907	16,197	402	478	320
13	1955.....	21	...	...	21	340	340	21	25	18
14	1954.....	148	148	3,262	130	3,474	4,429	146	162	109
15	1953.....	77	74	3,051	73	2,166	3,706	75	84	63
16	1952.....	44	43	1,728	39	1,788	1,995	42	49	33
17	1951.....	30	30	1,420	26	1,178	1,463	30	32	23
18	1950.....	35	35	1,402	33	1,531	1,691	35	46	30
19	1949.....	8	8	136	7	279	282	8	9	8
20	1948.....	27	25	535	24	660	712	27	41	23
21	1947.....	10	10	963	9	1,351	1,378	10	19	7
22	1946.....	8	8	182	8	140	201	8	11	6
23	Kentucky.....	376	366	8,341	246	4,221	9,443	371	399	122
24	1955.....	4	...	...	4	32	32	4	4	...
25	1954.....	233	233	4,032	143	1,971	4,566	232	240	67
26	1953.....	64	63	1,988	49	1,179	2,308	63	71	29
27	1952.....	44	42	1,115	31	463	1,268	43	46	15
28	1951.....	15	13	736	7	349	828	14	16	3
29	1950.....	10	9	226	6	130	242	9	12	5
30	1949.....	1	1	42	1	28	42	1	1	1
31	1948.....	2	2	13	2	16	13	2	5	...
32	1947.....	1	1	28	1	20	28	1	2	1
33	1946.....	2	2	161	2	33	116	2	2	1
34	Tennessee.....	366	342	12,044	294	8,605	14,415	360	393	97
35	1955.....	12	...	...	12	106	105	12	13	1
36	1954.....	185	185	4,883	150	3,913	5,717	184	192	48
37	1953.....	64	62	2,297	46	1,277	2,481	63	67	19
38	1952.....	54	47	1,889	46	1,075	2,417	53	62	15
39	1951.....	24	23	1,549	18	1,072	1,921	23	29	10
40	1950.....	12	11	469	9	403	530	10	13	2
41	1949.....	2	2	116	2	39	115	2	4	...
42	1948.....	8	7	446	6	325	598	8	8	2
43	1947.....	2	2	138	2	102	135	2	2	...
44	1946.....	3	3	257	3	293	396	3	3	...
45	Alabama.....	156	151	7,839	129	6,410	9,884	155	197	61
46	1955.....	5	...	...	5	348	348	5	13	4
47	1954.....	72	72	3,944	60	3,378	4,912	72	86	31
48	1953.....	28	28	1,170	22	985	1,531	27	35	10
49	1952.....	23	23	1,314	17	730	1,496	23	25	7
50	1951.....	10	10	491	10	439	650	10	11	2
51	1950.....	8	8	434	7	245	445	8	14	4
52	1949.....	3	3	264	3	235	264	3	6	1
53	1948.....	6	6	137	5	50	153	6	6	2
54	1947.....	1	1	85	...	...	85	1	1	...
55	Mississippi.....	374	366	55,871	279	44,993	65,596	360	675	114
56	1955.....	3	...	...	3	250	250	3	3	1
57	1954.....	204	204	21,092	152	19,196	26,344	198	322	56
58	1953.....	86	84	11,672	60	8,980	14,075	82	144	26
59	1952.....	38	36	11,202	29	7,773	11,506	36	111	16
60	1951.....	19	19	6,604	16	4,996	7,501	19	48	4
61	1950.....	15	14	3,163	12	2,540	3,343	13	27	7
62	1949.....	2	2	650	1	208	650	2	5	1
63	1948.....	6	6	1,484	5	1,044	1,921	6	14	3
64	1947.....	1	1	4	1	6	6	1	1	...

# IRRIGATION IN HUMID AREAS

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FOR FARMS REPORTING COST OF IRRIGATION SYSTEMS, BY YEAR IRRIGATION BEGAN, BY STATES: 1955—Continued

reporting irrigation beginning in 1946 or later. See text]

Total cost			Cost of irrigation equipment				Cost of leveling and ditching				Cost of constructing reservoirs, etc., for storing water and for drilling wells				
Dollars	Per farm (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	Farms reporting	Total (dollars)	Per farm reporting (dollars)	Per acre irrigated in 1954 (dollars)	
1,576,599	6,738	155	232	1,059,966	4,569	104	29	34,167	1,178	3.36	194	482,466	2,487	47.39	1
36,000	7,200	...	5	23,200	4,640	...	2	550	275	...	5	12,250	2,450	...	2
556,197	5,734	211	95	352,224	3,708	134	13	11,967	921	4.54	80	192,006	2,400	72.78	3
221,495	5,402	150	41	163,725	3,993	111	2	700	350	0.47	32	57,070	1,783	38.64	4
244,607	8,435	108	29	164,232	5,663	73	5	5,950	1,190	2.64	24	74,425	3,101	32.96	5
69,375	6,538	97	10	48,675	4,868	72	1	5,000	5,000	7.41	8	11,700	1,462	17.33	6
198,725	9,463	152	21	126,025	6,001	96	5	4,900	980	3.75	20	67,800	3,390	51.87	7
53,560	4,869	104	11	40,200	3,655	78	1	5,100	5,100	9.88	9	8,260	918	16.01	8
105,250	15,036	278	7	69,750	9,964	184	...	...	...	...	7	35,500	5,071	93.67	9
68,020	8,502	99	8	51,315	6,414	74	...	...	...	...	5	16,705	3,341	24.21	10
27,370	5,474	114	5	20,620	4,124	86	...	...	...	...	4	6,750	1,688	28.12	11
2,944,255	7,216	232	403	1,970,929	4,891	155	36	32,001	889	2.52	339	941,325	2,777	74.24	12
120,323	5,730	...	21	78,011	3,715	...	3	3,350	1,117	...	19	38,962	2,051	...	13
883,873	5,972	271	147	568,515	3,867	174	14	6,826	488	2.09	116	308,532	2,660	94.58	14
512,589	6,657	168	76	354,116	4,659	116	8	6,750	844	2.21	65	151,723	2,334	49.73	15
370,394	8,418	214	41	252,328	6,154	146	3	3,525	1,175	2.04	37	114,541	3,096	66.29	16
249,676	8,323	176	30	160,556	5,352	113	3	1,750	583	1.23	24	87,370	3,640	61.53	17
357,385	10,211	255	35	250,400	7,154	179	1	1,000	1,000	0.71	32	105,985	3,312	75.60	18
71,210	8,901	524	8	42,095	5,262	310	...	...	...	...	8	29,115	3,639	214.08	19
221,690	8,211	414	27	155,115	5,745	290	1	100	100	0.19	24	66,475	2,770	124.25	20
110,815	11,082	115	10	79,693	7,969	83	2	7,500	3,750	7.79	8	23,622	2,953	24.53	21
46,300	5,788	254	8	30,100	3,762	165	1	1,200	1,200	6.59	6	15,000	2,500	82.42	22
1,376,536	3,661	165	376	1,155,730	3,074	139	7	1,574	225	0.19	145	219,232	1,512	26.28	23
11,492	2,873	...	4	11,492	2,873	...	...	...	...	...	...	...	...	...	24
765,799	3,287	190	237	639,720	2,699	159	4	712	178	0.18	84	125,367	1,492	31.09	25
281,593	4,400	142	63	231,830	3,680	117	1	462	462	0.23	31	49,301	1,590	24.80	26
162,208	3,687	145	43	138,639	3,224	124	1	100	100	0.09	17	23,469	1,381	21.05	27
82,514	5,501	112	14	76,164	5,440	103	1	300	300	0.41	5	6,050	1,210	8.22	28
41,850	4,185	185	9	31,200	3,467	138	...	...	...	...	5	10,650	2,130	47.12	29
7,000	7,000	167	1	4,500	4,500	107	...	...	...	...	1	2,500	2,500	59.52	30
9,500	4,750	731	2	9,500	4,750	731	...	...	...	...	...	...	...	...	31
8,100	8,100	289	1	6,500	6,500	232	...	...	...	...	1	1,600	1,600	57.14	32
6,480	3,240	40	2	6,185	3,092	38	...	...	...	...	1	295	295	1.83	33
1,481,815	4,049	123	366	1,277,314	3,490	106	13	10,755	827	0.89	105	193,746	1,845	16.09	34
22,807	1,901	...	12	22,214	1,851	...	...	...	...	...	2	593	296	...	35
662,753	3,582	136	189	548,595	2,903	112	9	6,235	693	1.28	52	107,923	2,075	22.10	36
250,495	3,914	109	63	226,170	3,590	98	2	500	250	0.22	20	23,825	1,191	10.37	37
249,469	4,620	132	53	216,839	4,091	115	1	20	20	0.01	16	32,610	2,038	17.26	38
179,669	7,486	116	23	151,274	6,577	98	1	4,000	4,000	2.58	10	24,395	2,440	15.75	39
37,550	3,129	80	11	35,000	3,182	75	...	...	...	...	3	2,550	850	5.44	40
13,025	6,512	112	2	13,025	6,512	112	...	...	...	...	...	...	...	...	41
38,247	4,781	86	8	36,397	4,550	82	...	...	...	...	2	1,850	925	4.15	42
11,300	5,650	82	2	11,300	5,650	82	...	...	...	...	...	...	...	...	43
16,500	5,500	64	3	16,500	5,500	64	...	...	...	...	...	...	...	...	44
1,132,779	7,261	145	155	969,877	6,257	124	23	6,752	294	0.86	77	156,150	2,028	19.92	45
129,563	25,913	...	6	120,297	20,050	...	...	...	...	...	4	9,266	2,316	...	46
411,915	5,721	104	71	345,080	4,860	87	10	3,230	323	0.82	34	63,605	1,871	16.13	47
216,488	7,732	185	27	178,322	6,605	152	5	452	90	0.39	17	37,714	2,218	32.23	48
189,703	8,248	144	23	173,103	7,526	132	4	320	80	0.24	9	16,280	1,809	12.39	49
49,735	4,974	101	10	46,200	4,620	94	1	150	150	0.31	2	3,385	1,692	6.89	50
72,700	9,088	168	8	59,400	7,425	137	3	2,600	867	5.99	5	10,700	2,140	24.65	51
33,350	11,117	126	3	23,000	7,667	87	...	...	...	...	2	10,350	5,175	39.20	52
29,325	4,221	185	6	20,475	3,412	149	...	...	...	...	4	4,850	1,212	35.40	53
4,000	4,000	47	1	4,000	4,000	47	...	...	...	...	...	...	...	...	54
3,550,909	9,494	64	365	2,185,188	5,987	39	209	442,677	2,118	7.92	225	923,044	4,102	16.52	55
17,817	5,939	...	3	10,450	3,483	...	2	1,200	600	...	2	6,167	3,084	...	56
1,552,326	7,609	74	201	1,030,457	5,127	49	111	143,735	1,295	6.81	120	378,134	3,151	17.93	57
752,437	8,749	64	84	513,237	6,110	44	46	88,315	1,920	7.57	50	150,885	3,018	12.93	58
617,515	16,250	55	36	300,399	8,344	27	20	104,915	5,246	9.37	22	212,201	9,646	18.94	59
368,214	19,380	56	19	187,290	9,857	28	15	69,292	4,619	10.49	15	111,632	7,442	16.90	60
148,725	9,915	47	13	87,380	6,722	28	9	20,420	2,269	6.46	10	40,925	4,092	12.94	61
21,000	10,500	32	2	13,000	6,500	20	2	4,000	2,000	6.15	2	4,000	2,000	6.15	62
69,275	11,546	47	6	40,975	6,829	28	4	10,800	2,700	7.28	3	17,500	5,833	11.79	63
3,600	3,600	900	1	2,000	2,000	500	...	...	...	...	1	1,600	1,600	400.00	64

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop	Area irrigated in 1954							
	Total acres	Farms reporting						
		Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1 Total, 28 States.....	543,647	29,563	13,122	5,221	6,198	2,501	1,419	1,102
2 Corn.....	48,599	1,866	343	352	629	272	169	101
3 Small grains:								
4 Wheat.....	176	13	2	3	7	...	1	...
5 Oats.....	1,356	64	7	12	29	7	6	3
6 Barley.....	478	24	1	7	10	3	3	...
7 Rye.....	456	26	3	7	10	4	1	1
8 Rice.....	76,373	249	...	1	3	11	17	217
9 Millet.....	376	9	...	...	4	3	1	1
Other small grains.....	935	28	1	5	9	8	3	2
10 Hay, forage, and seeds:								
11 Hay.....	23,973	1,145	143	252	460	188	67	35
12 Grass silage.....	367	14	...	1	8	2	3	...
13 Alfalfa seed.....	1,447	82	15	21	28	10	8	...
14 Bermuda grass seed.....	134	7	...	4	1	1	1	...
15 Crimson clover seed.....	54	4	...	2	1	1	...	...
16 Ladino clover seed.....	179	9	2	...	5	2	...	...
17 Fescue seed.....	1,088	14	2	3	2	3	1	3
18 Lespedeza seed.....	331	18	2	4	6	6	...	...
19 Sudan grass seed.....	791	58	5	19	28	3	3	...
Other grass seeds.....	557	22	2	4	12	3	...	1
20 Pasture.....	63,899	2,418	322	327	890	478	258	143
21 Other field crops:								
22 Soybeans.....	11,487	276	26	33	88	61	30	38
23 Peanuts.....	421	29	6	6	11	5	1	...
24 Dry field and seed beans.....	163	9	...	...	4	3	1	1
25 Cotton.....	46,204	644	39	86	147	119	99	154
26 Tobacco.....	33,274	3,411	1,549	904	725	182	34	17
27 Popcorn.....	258	7	2	...	...	3	1	1
28 Sugarcane and/or sorghum for sirup.....	89	22	20	1	...	...	1	...
Sugar beets for sugar.....	548	14	...	2	5	3	3	1
29 Irish potatoes.....	67,982	1,611	263	154	320	345	354	175
30 Sweetpotatoes.....	4,619	331	115	66	97	30	18	5
31 Fennel seed.....	257	15	5	1	7	1	...	1
32 Hops.....	60	1	...	...	...	...	1	...
33 Mint for oil.....	859	11	1	1	1	3	3	2
34 Sorghums, except for sirup.....	1,641	97	21	24	34	12	3	3
35 Vegetables:								
36 Asparagus.....	778	99	61	15	12	9	2	...
37 Beans, green lima.....	1,840	110	52	17	19	9	8	5
38 Beans, snap (bush and pole types).....	13,829	1,008	548	165	172	66	28	29
39 Beets (table).....	1,106	297	248	25	19	3	...	2
40 Broccoli.....	2,922	124	58	22	20	9	8	7
41 Brussels sprouts.....	214	50	32	14	4	...	...	...
42 Cabbage.....	8,118	979	531	193	191	37	20	7
43 Cantaloups and muskmelons.....	1,597	379	257	79	41	2	...	...
Carrots.....	1,310	230	163	32	26	4	4	1
44 Cauliflower.....	4,556	554	208	169	157	16	3	1
45 Celery.....	3,188	364	201	74	62	17	7	3
46 Collards.....	536	99	64	18	14	3	...	...
47 Corn, sweet.....	13,262	1,056	462	219	240	82	34	19
48 Cucumbers and pickles.....	5,036	811	531	141	111	15	9	4
49 Dandelions (greens).....	94	36	30	5	1	...	...	...
50 Eggplant.....	399	169	148	17	4	...	...	...
51 Endive and escarole.....	535	122	83	24	13	2	...	...
52 Horseradish.....	856	25	9	1	8	4	1	2
53 Kale.....	106	26	22	1	2	1	...	...
54 Lettuce and romaine.....	5,130	646	410	128	73	18	10	7
55 Mustard (greens).....	249	55	42	6	5	2	...	...
56 Okra.....	121	25	20	2	1	2	...	...
57 Onions.....	2,771	391	271	50	49	13	2	6
58 Parsley.....	234	124	113	7	4	...	...	...
59 Parsnips.....	182	42	28	8	5	1	...	...
60 Peas, green (English).....	481	85	56	12	13	4	...	...
61 Peppers.....	3,238	712	478	146	71	13	4	...
62 Pumpkins.....	102	26	17	5	4	...	...	...
63 Radishes.....	1,017	164	117	15	22	6	4	...
64 Rutabagas.....	190	5	1	1	2	...	...	1
65 Spinach.....	4,333	277	163	44	40	16	7	7
66 Squash.....	1,240	325	239	59	22	5	...	...
67 Tomatoes.....	13,980	1,726	1,003	307	279	95	36	6
68 Turnips and turnip greens.....	2,496	241	158	26	35	11	8	3
69 Watermelons.....	517	112	76	18	16	2	...	...
70 Other vegetables (including "mixed vegetables" and "home gardens")..	17,287	1,886	1,188	265	285	94	34	20
71 Berries, tree fruits, nuts, and grapes:								
72 Blueberries.....	1,536	134	60	28	30	8	7	1
73 Raspberries.....	926	220	160	33	22	4	1	...
74 Strawberries.....	6,321	1,232	840	195	161	26	9	1
75 Apples.....	6,331	159	25	29	41	26	21	17
76 Cherries.....	256	38	19	11	7	...	1	...
77 Peaches.....	7,481	266	48	56	89	33	20	20
78 Pears.....	243	17	8	5	3	...	...	1
79 Pecans.....	270	2	...	...	...	1	...	1
Other fruits (other berries, other tree fruits, and grapes).....	2,067	169	103	28	23	3	7	5
80 Nursery and flower crops.....	14,511	1,374	865	202	191	63	33	20
81 All other crops.....	424	24	9	2	8	4	...	1

## IRRIGATION IN HUMID AREAS

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## OF IRRIGATION BY STATES: 1954 AND 1955

Area irrigated in 1955								Farms reporting specified number of times irrigated												
Total acres	Farms reporting							1954						1955						
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported	
485,415	28,067	12,974	4,934	5,538	2,297	1,303	1,021	4,638	6,613	5,405	3,668	5,837	3,402	4,646	5,976	4,993	3,513	6,418	2,521	1
35,627	1,354	271	257	419	213	113	81	633	566	279	113	87	188	613	382	172	54	50	83	2
168	19	4	9	6	...	...	...	9	...	...	1	...	3	13	3	...	1	...	2	3
1,310	68	15	14	24	8	4	3	28	16	6	2	2	10	31	21	8	1	...	6	4
166	14	4	4	4	1	1	...	7	8	...	...	2	6	6	2	2	...	2	2	5
251	19	5	4	7	2	1	...	10	9	3	2	1	1	8	4	3	...	1	3	6
48,643	219	...	...	11	9	22	177	8	13	7	5	54	162	7	13	6	2	50	141	7
250	8	1	...	4	1	2	...	...	5	3	...	...	1	3	4	...	...	...	1	8
573	21	3	6	4	3	5	...	15	11	1	...	...	1	13	3	1	1	2	1	9
18,528	870	132	198	319	137	53	31	270	327	208	136	97	107	270	233	155	85	71	56	10
164	11	2	2	5	1	1	...	2	6	...	...	2	4	7	2	1	...	...	1	11
2,086	104	18	26	35	15	7	3	22	21	14	12	9	4	34	27	19	8	12	4	12
179	7	...	3	...	3	1	...	1	3	1	...	2	...	1	2	2	1	1	...	13
51	3	...	1	1	1	...	...	2	2	...	...	...	...	1	1	1	...	...	...	14
143	6	2	1	1	1	1	...	...	1	3	...	2	3	...	2	1	...	2	1	15
105	4	...	1	2	...	1	...	4	5	4	1	...	...	2	2	...	...	...	...	16
211	12	1	3	5	3	...	...	8	5	2	...	1	2	8	2	1	...	1	...	17
563	49	7	15	24	3	...	...	11	13	20	4	4	6	22	10	6	4	1	6	18
371	18	...	10	5	1	1	1	5	7	4	2	2	2	7	4	4	...	1	2	19
45,546	1,806	270	260	609	378	182	107	368	531	396	316	516	291	361	430	274	171	415	155	20
13,446	238	22	28	64	49	31	44	118	82	41	10	4	21	124	72	18	8	6	10	21
466	35	4	14	12	1	3	1	10	10	4	2	1	2	19	9	3	2	...	2	22
267	19	2	1	8	1	4	3	2	5	...	2	...	...	5	8	2	2	2	...	23
37,719	462	31	70	92	66	71	132	148	195	131	47	37	86	210	127	68	16	9	32	24
30,674	2,694	1,068	713	688	169	38	18	768	757	718	416	408	344	623	739	562	325	289	156	25
302	9	1	3	2	1	1	1	3	2	1	...	...	1	5	1	2	...	...	1	26
91	18	14	3	...	...	1	...	3	5	6	3	1	4	5	4	2	2	4	1	27
213	9	2	...	4	1	2	...	3	4	2	2	2	1	1	2	2	2	1	1	28
72,538	1,623	283	139	297	331	376	197	144	354	442	309	280	82	170	287	390	310	415	51	29
5,114	353	118	82	96	34	17	6	76	110	69	20	32	24	78	106	80	28	45	16	30
233	15	4	...	9	1	...	1	2	1	3	3	6	...	2	3	2	3	5	...	31
60	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	1	...	32
2,573	12	1	1	2	2	2	4	1	5	2	1	1	1	2	3	...	3	2	2	33
1,373	69	14	14	27	6	6	2	24	33	24	5	4	7	31	26	4	2	1	5	34
1,007	138	87	18	25	6	1	1	26	27	16	12	14	4	43	36	21	15	17	6	35
1,437	102	55	9	19	13	1	5	29	32	13	11	14	11	23	30	19	9	11	10	36
15,734	976	508	155	169	78	31	35	162	283	212	113	140	98	138	283	207	121	149	78	37
1,221	312	257	29	19	5	1	1	34	72	46	45	70	30	25	70	57	46	87	27	38
3,488	136	68	21	23	10	7	7	21	31	21	18	20	13	23	32	24	14	26	17	39
197	46	33	9	4	...	...	...	6	18	14	5	4	3	8	16	10	5	3	4	40
8,304	1,022	564	207	182	41	23	5	125	260	206	129	156	103	123	231	235	160	190	83	41
1,878	434	294	89	45	6	...	...	54	105	67	51	60	42	47	108	95	56	92	36	42
1,726	248	168	36	32	6	3	3	34	55	39	35	45	22	32	60	37	35	68	16	43
4,764	589	251	163	144	24	6	1	45	117	161	107	98	26	78	140	130	91	118	32	44
3,484	364	204	66	65	20	5	4	18	49	51	43	150	53	17	30	51	36	183	47	45
910	103	61	18	16	5	2	1	9	20	15	13	30	12	5	23	20	14	29	12	46
14,848	1,130	503	239	227	97	43	21	197	298	224	110	134	93	200	301	253	140	168	68	47
5,553	861	538	156	130	24	9	4	48	132	161	137	266	67	55	135	160	154	289	68	48
92	35	29	5	1	...	...	...	3	5	4	8	9	7	4	2	7	8	4	6	49
441	193	169	19	5	...	...	...	12	33	19	23	65	17	11	27	32	28	78	17	50
572	129	89	24	14	2	...	...	16	22	9	25	32	18	7	18	23	21	39	21	51
844	25	8	4	5	4	3	1	2	3	6	3	7	4	1	5	6	4	8	1	52
147	32	27	1	2	2	...	...	2	9	4	...	6	5	3	10	5	1	8	5	53
5,677	692	432	133	87	21	11	8	78	142	133	86	138	69	56	138	127	112	195	64	54
389	58	41	4	9	2	2	...	4	13	10	9	10	9	2	21	11	8	7	9	55
78	28	24	3	1	...	...	...	1	10	3	...	9	2	6	6	3	3	7	3	56
3,002	397	265	58	52	11	6	5	47	79	67	52	92	54	47	69	61	56	114	50	57
237	130	120	6	4	...	...	...	4	13	11	26	53	17	5	13	14	16	64	18	58
183	48	35	7	6	...	...	...	11	6	6	3	10	6	6	15	9	3	12	3	59
1,088	113	68	13	18	8	4	2	36	19	13	5	5	7	49	22	19	11	6	6	60
3,499	775	520	152	85	15	3	...	59	118	133	126	217	59	54	122	153	146	254	46	61
171	31	19	5	6	1	...	...	9	9	4	1	2	1	10	11	7	...	1	2	62
970	165	112	23	20	9	1	...	22	39	20	21	36	26	22	34	20	19	46	24	63
18	3	1	1	1	...	...	...	...	...	3	...	1	1	...	...	1	...	1	1	64
4,196	277	160	46	41	18	6	6	50	67	40	34	47	39	44	66	42	35	62	28	65
1,441	373	276	62	29	6	...	...	54	81	55	34	76	25	51	80	76	53	85	28	66
16,156	1,846	1,046	346	298	105	39	12	212	399	385	212									

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop		Area irrigated in 1954							
		Total acres	Farms reporting						
			Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1	Maine.....	423	96	77	13	2	2	2	...
2	Pasture.....	82	3	1	1	...	...	1	...
3	Other field crops: Irish potatoes.....	73	6	3	1	...	2	...	...
4	Vegetables: Corn, sweet.....	44	11	7	4	...	...	...	...
5	Lettuce and romaine.....	96	7	2	3	1	...	1	...
6	Other vegetables (including "mixed vegetables" and "home gardens").....	73	50	48	2	...	...	...	...
7	All other crops.....	55	19	16	2	1	...	...	...
8	New Hampshire.....	688	145	107	18	14	6	...	...
9	Hay, forage, and seeds: Hay.....	72	5	...	2	2	1	...	...
10	Vegetables: Cabbage.....	23	10	9	1	...	...	...	...
11	Corn, sweet.....	220	21	7	5	6	3	...	...
12	Squash.....	52	10	6	3	1	...	...	...
13	Other vegetables (including "mixed vegetables" and "home gardens").....	167	72	64	5	3	...	...	...
14	All other crops.....	154	27	21	2	2	2	...	...
15	Vermont.....	298	37	20	3	10	4	...	...
16	Hay, forage, and seeds: Hay.....	125	6	...	...	4	2	...	...
17	Pasture.....	95	7	...	1	5	1	...	...
18	All other crops.....	78	24	20	2	1	1	...	...
19	Massachusetts.....	9,783	1,341	898	189	182	45	18	9
20	Corn.....	165	11	1	2	7	1	...	...
21	Hay, forage, and seeds: Hay.....	672	19	1	3	10	4	...	1
22	Alfalfa seed.....	263	10	2	...	5	...	3	...
23	Ladino clover seed.....	64	2	...	...	1	1	...	...
24	Pasture.....	585	38	9	6	16	5	2	...
25	Other field crops: Tobacco.....	1,553	53	5	16	20	4	6	2
26	Irish potatoes.....	945	55	29	10	10	3	...	3
27	Vegetables: Beans, snap (bush and pole types).....	139	44	35	7	1	1	...	...
28	Beets (table).....	63	43	41	1	1	...	...	...
29	Broccoli.....	133	5	...	2	1	1	1	...
30	Cabbage.....	350	72	50	13	7	1	1	...
31	Carrots.....	251	52	37	10	2	3	...	...
32	Celery.....	209	37	25	6	3	3	...	...
33	Corn, sweet.....	1,098	138	69	32	30	5	1	1
34	Cucumbers and pickles.....	120	57	53	2	2	...	...	...
35	Lettuce and romaine.....	294	72	55	9	6	1	1	...
36	Parsnips.....	41	7	3	2	2	...	...	...
37	Peppers.....	135	40	31	5	4	...	...	...
38	Radishes.....	149	11	7	1	1	1	1	...
39	Spinach.....	355	33	21	3	5	2	1	1
40	Squash.....	254	64	45	14	4	1	...	...
41	Tomatoes.....	356	134	111	16	6	1	...	...
42	Other vegetables (including "mixed vegetables" and "home gardens").....	915	189	145	14	23	6	1	...
43	Berries, tree fruits, nuts, and grapes: Strawberries.....	63	50	47	3	...	...	...	...
44	Apples.....	72	7	1	2	4	...	...	...
45	Other fruits (other berries, other tree fruits, and grapes).....	283	25	19	3	1	1	...	1
46	Nursery and flower crops.....	226	67	52	7	8	...	...	...
47	All other crops.....	30	6	4	...	2	...	...	...
48	Rhode Island.....	953	73	40	16	8	5	1	3
49	Hay.....	58	4	1	...	2	1	...	...
50	Pasture.....	80	5	1	1	1	2	...	...
51	Other field crops: Irish potatoes.....	522	8	2	1	1	...	1	3
52	Vegetables: Corn, sweet.....	81	7	2	2	3	...	...	...
53	Tomatoes.....	62	7	3	3	...	1	...	...
54	Other vegetables (including "mixed vegetables" and "home gardens").....	98	28	23	4	...	1	...	...
55	All other crops.....	52	14	8	5	1	...	...	...

# IRRIGATION IN HUMID AREAS

103

OF IRRIGATION BY STATES: 1954 AND 1955--Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
1,050	157	120	23	6	2	4	2	26	23	10	4	8	25	16	39	19	17	38	28
160	5	...	1	2	...	2	...	1	...	...	...	...	2	1	...	...	1	1	2
184	7	5	...	...	...	1	1	2	1	1	...	1	1	1	2	1	1	2	...
82	16	7	8	1	...	...	...	5	1	1	...	1	3	1	3	4	1	4	3
121	15	6	5	3	...	1	...	1	4	2	...	...	...	2	6	3	1	2	1
450	90	80	8	...	1	...	1	15	10	5	2	2	16	11	27	9	9	19	15
53	24	22	1	...	1	...	...	2	7	1	2	4	3	...	1	2	4	10	7
927	171	124	24	14	8	1	...	37	30	26	10	29	13	9	43	33	29	45	12
123	5	...	2	...	3	...	...	2	1	1	1	...	...	...	...	2	1	2	...
67	14	13	...	...	1	...	...	3	2	1	1	2	1	1	4	2	4	2	1
314	24	6	7	8	2	1	...	4	6	6	...	4	1	...	5	5	6	7	1
65	13	7	5	1	...	...	...	2	2	2	...	1	3	2	5	2	1	1	2
204	86	75	8	3	...	...	...	20	14	12	3	18	5	5	20	16	17	22	6
154	29	23	2	2	2	...	...	6	5	4	5	4	3	1	9	6	...	11	2
319	40	24	3	8	5	...	...	5	7	9	8	5	3	5	13	8	7	6	1
94	5	1	...	2	2	...	...	...	2	...	2	1	1	...	2	2	...	1	...
97	6	...	...	5	1	...	...	1	1	1	2	1	1	2	1	2	...	1	...
128	29	23	3	1	2	...	...	4	4	8	4	3	1	3	10	4	7	4	1
10,179	1,397	948	175	190	55	18	11	190	281	223	172	398	77	199	256	240	179	460	63
190	13	2	1	9	1	...	...	3	6	2	...	...	...	5	3	2	...	2	1
421	20	1	7	6	5	...	1	4	3	2	3	3	4	3	3	3	2	3	6
324	10	1	2	3	2	1	1	3	3	2	...	2	...	3	3	2	...	2	...
5	1	...	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	1
528	32	8	7	8	8	1	...	10	6	5	6	9	2	5	8	5	2	11	1
1,609	56	8	12	23	4	5	4	11	25	11	4	2	...	8	23	16	5	4	...
1,061	57	30	5	15	2	2	3	9	23	8	4	7	4	11	16	11	6	9	4
131	43	35	6	1	1	...	...	10	14	6	3	8	3	8	8	9	10	7	1
70	45	43	1	1	...	...	...	3	10	7	8	13	2	5	9	8	5	17	1
118	5	1	1	2	...	1	...	1	...	1	...	3	...	1	1	1	...	2	...
336	71	52	10	6	3	...	...	14	18	11	9	19	1	17	10	14	11	18	1
270	49	34	7	5	3	...	...	2	12	10	8	15	5	3	11	9	4	20	2
189	40	30	5	3	2	...	...	2	2	2	6	20	5	4	...	3	3	24	6
1,356	152	75	33	32	9	3	...	31	33	27	14	29	4	27	42	28	19	32	4
140	60	54	3	3	...	...	...	7	14	11	7	14	4	6	14	13	9	17	1
299	74	58	9	5	1	1	...	11	11	14	11	20	5	13	14	9	10	23	5
51	11	6	3	2	...	...	...	...	2	1	...	3	1	1	2	2	...	5	1
110	39	30	7	2	...	...	...	4	5	9	3	18	1	1	6	11	4	17	...
139	9	5	1	1	1	1	...	5	...	2	1	3	...	2	2	1	1	3	...
331	32	21	3	5	1	1	1	4	8	7	6	5	...	8	4	5	6	9	...
292	75	54	15	5	1	...	...	13	19	13	4	15	...	11	18	14	10	22	...
409	144	122	12	8	2	...	...	10	17	20	24	57	6	9	18	20	26	64	7
993	197	148	13	29	6	1	...	19	33	23	30	71	13	24	24	31	27	77	14
92	57	53	2	2	...	...	...	6	5	14	9	13	3	8	7	14	6	20	2
130	6	1	...	3	1	1	...	3	1	1	1	1	...	5	...	...	...	1	...
304	25	18	2	3	1	...	1	5	6	5	2	6	1	6	5	6	...	8	...
253	68	54	6	7	1	...	...	...	4	5	9	41	8	2	5	2	13	42	4
28	6	4	1	1	...	...	...	...	1	2	...	1	2	3	...	1	...	1	1
668	55	32	12	4	4	1	2	5	16	14	5	10	23	7	8	10	5	14	11
37	3	1	...	1	1	...	...	...	1	...	1	1	1	1	1	...	...	1	...
40	3	1	1	...	1	...	...	2	...	1	1	1	...	1	1	...	...	1	...
352	6	2	...	1	...	1	2	...	5	3	...	...	...	2	1	2	1	...	...
62	5	1	2	2	...	...	...	...	1	2	1	...	3	...	...	1	1	1	2
57	6	3	2	...	1	...	...	1	...	2	...	1	3	...	1	1	1	1	2
90	22	17	4	...	1	...	...	...	8	5	1	3	11	2	3	5	2	4	6
30	10	7	3	...	...	...	...	2	1	1	1	4	5	1	1	1	...	6	1

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop		Area irrigated in 1954							
		Total acres	Farms reporting						
			Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1	Connecticut.....	12,390	700	302	149	143	62	27	17
2	Corn.....	115	4	...	...	1	3	...	...
	Hay, forage, and seeds:								
3	Hay.....	230	10	1	1	4	3	1	...
4	Alfalfa seed.....	70	3	...	...	2	1	...	...
5	Pasture.....	864	37	3	4	17	9	4	...
	Other field crops:								
6	Tobacco.....	5,852	120	17	19	43	22	8	11
7	Irish potatoes.....	2,361	48	6	3	14	9	11	5
	Vegetables:								
8	Beans, snap (bush and pole types).....	119	17	12	1	3	1	...	...
9	Cabbage.....	278	42	19	14	8	1	...	...
10	Carrots.....	39	7	4	1	2	...	...	...
11	Cauliflower.....	93	23	17	4	2	...	...	...
12	Celery.....	70	9	5	2	1	1	...	...
13	Corn, sweet.....	216	33	14	14	3	2	...	...
14	Cucumbers and pickles.....	54	10	7	2	...	1	...	...
15	Lettuce and romaine.....	222	31	10	13	8	...	...	...
16	Peppers.....	149	37	23	11	3	...	...	...
17	Spinach.....	159	22	10	5	6	1	...	...
18	Squash.....	45	19	17	2	...	...	...	...
19	Tomatoes.....	285	57	28	22	6	1	...	...
20	Other vegetables (including "mixed vegetables" and "home gardens").....	648	102	66	19	11	4	2	...
	Berries, tree fruits, nuts, and grapes:								
21	Strawberries.....	52	19	16	2	1	...	...	...
22	Apples.....	...	...	...	...	...	...	...	...
23	Peaches.....	39	3	1	...	1	1	...	...
24	Other fruits (other berries, other tree fruits, and grapes).....	19	6	4	2	...	...	...	...
25	Nursery and flower crops.....	359	36	20	7	5	2	1	1
26	All other crops.....	52	5	2	1	2	...	...	...
27	New York.....	52,116	3,286	1,372	548	697	327	230	112
28	Corn.....	529	32	2	8	18	1	2	1
29	Small grains.....	92	16	4	7	4	...	1	...
	Hay, forage, and seeds:								
30	Hay.....	593	44	12	6	16	7	1	2
31	Alfalfa seed.....	198	11	5	1	3	...	2	...
32	Pasture.....	1,872	290	49	36	110	45	24	26
	Other field crops:								
33	Dry field and seed beans.....	56	6	...	...	3	2	1	...
34	Irish potatoes.....	25,634	490	31	16	73	150	159	61
35	Hops.....	60	1	...	...	...	...	1	...
	Vegetables:								
36	Beans, green lima.....	538	21	2	4	8	5	...	2
37	Beans, snap (bush and pole types).....	3,469	139	52	21	34	15	10	7
38	Beets (table).....	185	56	42	10	4	...	...	...
39	Broccoli.....	660	36	12	9	5	6	3	1
40	Brussels sprouts.....	200	48	31	14	3	...	...	...
41	Cabbage.....	1,280	160	83	33	34	6	4	...
42	Cantaloups and muskmelons.....	82	22	15	6	1	...	...	...
43	Carrots.....	196	48	36	5	7	...	...	...
44	Cauliflower.....	3,384	348	87	127	117	13	3	1
45	Celery.....	1,037	67	36	14	7	5	3	2
46	Corn, sweet.....	1,858	156	67	35	43	7	1	3
47	Cucumbers and pickles.....	508	103	63	19	20	1	...	...
48	Endive and escarole.....	59	16	12	2	2	...	...	...
49	Lettuce and romaine.....	484	96	55	28	11	2	...	...
50	Onions.....	288	61	43	10	6	2	...	...
51	Peas, green (English).....	273	32	14	7	8	3	...	...
52	Peppers.....	120	52	45	5	2	...	...	...
53	Radishes.....	205	28	17	3	6	1	1	...
54	Spinach.....	296	46	23	13	7	3	...	...
55	Squash.....	198	42	29	7	4	2	...	...
56	Tomatoes.....	1,534	184	98	30	43	9	4	...
57	Watermelons.....	42	16	13	3	...	...	...	...
58	Other vegetables (including "mixed vegetables" and "home gardens").....	2,249	234	134	29	44	22	3	2
	Berries, tree fruits, nuts, and grapes:								
59	Raspberries.....	224	26	11	5	7	3	...	...
60	Strawberries.....	1,087	234	188	12	24	8	2	...
61	Apples.....	994	21	3	4	4	4	3	3
62	Cherries.....	79	12	4	6	2	...	...	...
63	Peaches.....	242	22	7	5	5	4	...	1
64	Other fruits (other berries, other tree fruits, and grapes).....	172	52	38	7	6	...	1	...
65	Nursery and flower crops.....	1,054	5	4	...	...	...	1	...
66	All other crops.....	85	13	5	1	6	1	...	...

# IRRIGATION IN HUMID AREAS

105

OF IRRIGATION BY STATES: 1954 AND 1955--Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
13,038	752	332	161	140	68	35	16	168	204	121	56	70	81	140	175	171	77	120	69
154	8	1	2	3	1	1	...	3	1	...	...	...	...	4	1	2	...	...	1
239	10	...	2	4	3	1	...	2	4	2	...	...	2	4	2	2	1	...	1
100	5	...	2	1	2	...	...	...	1	1	1	...	...	1	2	1	1	...	...
728	31	2	2	15	9	3	...	8	14	5	2	5	3	7	7	8	2	5	2
5,939	116	13	22	40	20	11	10	44	37	16	8	5	10	30	36	25	7	10	8
2,422	55	9	6	11	12	12	5	13	20	8	2	4	1	16	14	10	7	8	...
125	21	15	2	3	1	...	...	6	6	3	...	1	1	7	5	5	1	3	...
245	41	20	14	6	1	...	...	10	14	8	6	2	2	5	10	13	3	6	4
114	9	5	...	2	1	1	...	3	...	2	1	...	1	2	3	2	...	2	...
103	24	17	4	3	...	...	...	5	10	5	3	...	...	7	4	7	2	4	...
70	9	5	2	1	1	...	...	...	1	3	1	3	1	...	2	2	...	5	...
295	41	19	15	3	4	...	...	7	7	8	4	2	5	6	8	9	7	7	4
56	12	9	2	...	1	...	...	3	2	2	2	1	...	1	5	2	1	2	1
226	32	10	14	7	1	...	...	9	7	7	2	3	3	6	8	9	3	5	1
185	40	24	10	5	1	...	...	6	13	10	1	4	3	4	7	14	7	7	1
177	23	11	5	5	2	...	...	8	7	2	2	2	1	5	8	6	...	3	1
52	23	21	2	...	...	...	...	6	4	2	1	2	4	4	5	3	4	4	3
312	60	31	21	7	1	...	...	11	14	12	3	11	6	10	12	12	10	10	6
750	112	72	21	13	4	2	...	22	24	16	12	8	20	14	22	29	14	15	18
53	19	17	1	1	...	...	...	2	9	4	1	1	2	2	8	3	1	4	1
84	2	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
60	5	1	1	2	1	...	...	...	2	...	...	...	1	2	1	1	...	...	1
27	8	5	3	...	...	...	...	...	3	1	1	...	1	1	1	2	1	1	2
451	41	24	7	5	1	3	1	...	2	3	3	15	13	...	3	3	4	18	13
71	5	1	1	2	1	...	...	...	2	1	...	1	1	...	1	1	1	1	1
58,210	3,521	1,514	574	676	366	267	124	445	803	750	555	602	131	459	764	728	615	855	100
754	40	4	10	16	7	2	1	13	10	3	4	1	1	16	12	7	2	2	1
121	19	5	8	5	...	1	...	9	2	1	3	...	1	7	8	1	2	...	1
783	45	14	6	19	2	3	1	9	14	11	4	2	4	15	12	10	6	2	...
389	13	3	3	4	1	1	1	6	3	1	...	1	...	8	3	1	...	1	...
1,915	304	54	39	99	53	32	27	26	40	35	32	137	20	23	34	34	31	170	12
92	10	1	1	3	1	3	1	2	3	...	1	...	...	2	5	1	1	1	...
26,882	505	34	15	75	152	165	64	24	94	176	125	62	9	27	70	162	135	101	10
60	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	1	...
627	22	3	2	6	8	1	2	11	7	2	1	...	...	7	9	3	1	1	1
4,374	164	67	23	34	16	14	10	44	57	22	6	4	6	40	64	34	9	10	7
296	62	44	10	6	2	...	...	7	23	7	9	9	1	3	20	10	15	14	...
440	42	20	7	9	5	1	...	7	15	5	5	2	2	10	14	5	6	4	3
184	44	32	9	3	...	...	...	5	18	13	5	4	3	7	16	9	5	3	4
1,191	159	80	38	30	8	3	...	27	49	35	25	14	10	21	41	32	37	23	5
103	29	21	5	3	...	...	...	5	5	7	2	3	...	5	7	6	5	3	3
228	51	38	5	8	...	...	...	8	16	8	13	3	...	6	17	8	11	9	...
3,369	356	107	124	104	14	6	1	34	79	113	72	42	8	63	96	92	55	40	10
1,114	66	35	10	10	6	3	2	4	18	13	10	17	5	3	11	16	11	21	4
2,374	171	74	41	35	13	4	4	36	42	29	25	12	12	38	44	34	23	24	8
526	101	64	15	20	2	...	...	11	27	29	14	17	5	5	23	22	21	28	2
49	14	11	2	1	...	...	...	2	3	1	4	4	2	2	2	...	4	5	1
594	101	59	24	15	2	1	...	12	29	23	16	13	3	10	17	24	25	22	3
422	68	47	11	4	5	1	...	8	11	13	14	13	2	9	12	14	11	21	1
529	44	20	6	9	6	3	...	22	8	1	...	...	1	24	8	6	3	2	1
169	59	49	8	...	1	1	...	8	7	12	7	15	3	3	9	6	11	28	2
185	27	16	5	4	2	...	...	3	8	5	6	4	2	4	8	3	5	6	1
298	50	26	15	6	3	...	...	11	13	7	8	7	...	11	11	8	11	9	...
164	46	31	10	5	...	...	...	10	9	4	4	13	2	11	9	6	5	14	...
2,329	209	108	37	39	16	7	2	17	50	46	27	38	6	13	39	49	41	61	6
53	22	20	2	...	...	...	...	1	4	5	1	5	...	...	6	5	3	8	...
2,794	245	136	38	43	22	4	2	19	43	37	53	73	9	8	39	38	56	104	...
284	34	17	5	9	3	...	...	3	8	5	3	7	...	1	12	6	4	9	2
1,409	258	200	19	26	8	5	...	8	43	68	42	67	6	12	47	55	45	90	9
1,133	21	4	3	4	4	3	3	6	8	...	5	2	...	7	7	2	4	1	...
68	11	5	4	2	...	...	...	7	2	3	...	...	...	8	1	1	1	...	...
265	27	13	4	6	2	1	1	6	11	2	1	2	...	8	11	3	2	3	...
355	60	43	8	7	...	1	1	11	22	6	5	4	4	18	16	13	5	8	...
1,151	5	4	...	...	...	...	1	1	1	1	...	2	...	1	1	...	1	2	...
137	16	5	2	7	2	...	...	2	1	1	2	3	4	3	3	2	2	4	2

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop		Area irrigated in 1954							
		Total acres	Farms reporting						
			Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1	New Jersey.....	50,851	4,052	2,009	725	771	308	182	57
2	Corn.....	1,041	47	6	5	22	10	3	1
3	Hay, forage, and seeds:								
4	Hay.....	826	43	2	13	20	5	1	2
5	Alfalfa seed.....	269	9	1	1	3	2	2	...
6	Pasture.....	1,469	81	20	11	25	18	6	1
7	Other field crops:								
8	Soybeans.....	177	10	...	3	4	2	1	...
9	Irish potatoes.....	9,009	196	23	15	31	41	67	19
10	Sweetpotatoes.....	3,200	179	35	35	65	26	16	2
11	Fennel seed.....	94	7	2	1	3	1	...	...
12	Vegetables:								
13	Asparagus.....	429	31	11	5	7	7	1	...
14	Beans, green lima.....	181	18	14	2	1	...	...	1
15	Beans, snap (bush and pole types).....	2,518	154	75	31	27	11	4	6
16	Beets (table).....	380	90	75	7	7	...	...	1
17	Broccoli.....	917	52	29	7	12	1	1	2
18	Cabbage.....	1,722	209	104	47	44	10	3	1
19	Cantaloups and muskmelons.....	299	72	54	9	9	...	...	...
20	Carrots.....	417	48	28	6	11	1	2	...
21	Cauliflower.....	187	37	23	6	8	...	...	...
22	Celery.....	258	57	34	15	8	...	...	...
23	Collards.....	69	14	10	2	2	...	...	...
24	Corn, sweet.....	4,530	204	55	34	52	38	18	7
25	Cucumbers and pickles.....	989	192	126	43	20	1	2	...
26	Dandelions (greens).....	64	21	16	4	1	...	...	...
27	Eggplant.....	255	94	80	12	2	...	...	...
28	Endive and escarole.....	279	62	41	14	6	1	...	...
29	Horseradish.....	164	10	5	...	3	1	1	...
30	Lettuce and romaine.....	2,354	270	158	56	36	14	4	2
31	Onions.....	905	106	66	17	15	5	2	1
32	Parsley.....	87	70	69	...	1	...	...	...
33	Peppers.....	1,552	292	159	87	39	7	...	...
34	Pumpkins.....	53	12	7	3	2	...	...	...
35	Radishes.....	129	44	37	4	3	...	...	...
36	Spinach.....	1,355	63	31	13	13	5	...	1
37	Squash.....	210	61	46	12	2	1	...	...
38	Tomatoes.....	5,159	407	158	68	119	42	19	1
39	Turnips and turnip greens.....	79	14	8	3	3	...	...	...
40	Other vegetables (including "mixed vegetables" and "home gardens")..	4,021	284	134	52	56	25	12	5
41	Berries, tree fruits, nuts, and grapes:								
42	Blueberries.....	1,017	72	24	18	20	4	5	1
43	Strawberries.....	483	121	90	17	13	1	...	...
44	Apples.....	381	13	3	...	3	4	3	...
45	Peaches.....	1,421	63	8	13	21	14	6	1
46	Other fruits (other berries, other tree fruits, and grapes).....	106	19	12	3	4	...	...	...
47	Nursery and flower crops.....	1,655	196	128	30	26	7	3	2
48	All other crops.....	141	8	2	1	2	3	...	...
49	Pennsylvania.....	16,710	1,375	625	275	320	106	31	18
50	Corn.....	959	86	21	19	40	6	...	...
51	Hay, forage, and seeds:								
52	Hay.....	1,399	90	9	26	35	18	2	...
53	Sudan grass seed.....	83	7	1	3	2	1	...	...
54	Pasture.....	2,452	157	27	41	61	21	6	1
55	Other field crops:								
56	Tobacco.....	403	69	25	34	10	...	...	...
57	Irish potatoes.....	2,760	128	25	27	42	21	9	4
58	Vegetables:								
59	Beans, green lima.....	71	10	5	2	3	...	...	...
60	Beans, snap (bush and pole types).....	603	23	11	4	4	2	...	2
61	Beets (table).....	64	18	16	...	2	...	...	...
62	Broccoli.....	514	6	4	1	...	...	...	1
63	Cabbage.....	644	52	25	6	13	5	2	1
64	Cantaloups and muskmelons.....	57	16	12	2	2	...	...	...
65	Cauliflower.....	66	8	3	2	3	...	...	...
66	Celery.....	167	56	45	8	3	...	...	...
67	Corn, sweet.....	826	79	42	10	21	3	1	2
68	Cucumbers and pickles.....	362	14	6	4	3	...	...	1
69	Lettuce and romaine.....	35	16	14	2	...	...	...	...
70	Onions.....	33	11	9	...	2	...	...	...
71	Radishes.....	88	7	3	1	1	2	...	...
72	Spinach.....	737	8	2	1	1	3	...	1
73	Tomatoes.....	1,283	132	54	37	28	11	2	...
74	Other vegetables (including "mixed vegetables" and "home gardens")..	1,089	176	128	20	20	6	1	1
75	Berries, tree fruits, nuts, and grapes:								
76	Strawberries.....	89	33	28	3	2	...	...	...
77	Apples.....	683	14	3	2	2	2	2	3
78	Peaches.....	516	22	3	6	8	1	3	1
79	Other fruits (other berries, other tree fruits, and grapes).....	208	31	23	3	3	...	2	...
80	Nursery and flower crops.....	475	96	76	6	9	4	1	...
81	All other crops.....	44	10	5	5	...	...	...	...

## IRRIGATION IN HUMID AREAS

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## OF IRRIGATION BY STATES: 1954 AND 1955--Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
56,417	4,419	2,171	821	831	327	199	70	463	897	680	592	1,024	396	411	806	794	680	1,356	372
1,229	60	11	13	17	13	5	1	24	11	7	1	...	4	31	16	8	2	1	2
1,140	53	5	16	21	6	2	3	11	15	9	6	1	1	11	18	12	7	3	2
400	12	2	2	2	3	2	1	1	2	2	2	2	...	2	1	5	...	4	...
1,396	79	21	12	20	22	4	...	12	20	17	15	12	5	13	19	12	14	17	4
304	11	1	3	3	2	1	1	6	1	1	2	...	...	4	4	...	1	1	1
10,286	208	27	14	32	34	74	27	8	29	33	54	63	9	9	19	42	37	96	5
3,181	176	37	36	61	26	14	2	53	78	32	3	6	7	46	62	43	10	9	6
124	8	2	...	5	1	...	...	1	...	2	1	3	...	1	1	1	2	3	...
487	50	24	4	17	5	...	...	11	9	5	3	3	...	16	15	8	5	5	1
62	19	15	2	2	...	...	...	3	6	2	3	3	1	1	6	6	3	3	...
3,301	175	80	34	33	18	3	7	18	41	37	21	20	17	13	41	40	34	28	19
482	91	73	10	6	1	...	1	6	16	13	20	23	12	3	18	12	17	29	12
1,244	56	33	8	9	3	1	2	10	11	11	7	7	6	6	15	10	7	10	8
1,654	219	123	38	47	6	4	1	16	64	37	24	41	27	15	44	45	38	54	23
367	89	65	12	12	...	...	...	12	25	13	8	7	7	7	22	25	18	11	6
476	52	27	11	12	1	...	1	8	13	6	7	10	4	8	11	5	9	14	5
210	40	27	4	8	1	...	...	...	4	8	4	15	6	2	6	6	5	15	6
271	58	34	17	7	...	...	...	2	8	8	8	18	13	2	5	7	6	28	10
89	16	11	2	3	...	...	...	2	3	3	1	5	...	...	4	3	1	7	1
4,640	216	65	39	44	39	24	5	29	62	51	24	21	17	29	48	57	38	30	14
995	203	129	52	20	1	1	...	2	13	19	36	105	17	...	11	17	33	122	20
66	22	17	4	1	...	...	...	1	3	3	5	5	4	1	2	5	5	5	4
285	107	92	12	3	...	...	...	5	14	12	14	41	8	1	10	16	15	55	10
317	67	43	15	8	1	...	...	7	15	5	12	15	8	2	9	14	10	22	10
198	11	4	1	4	...	2	...	2	1	2	1	3	1	1	...	3	3	4	...
2,677	291	162	65	41	15	6	2	19	57	54	40	64	36	16	51	53	51	90	30
1,016	110	62	19	23	1	4	1	8	19	20	14	26	19	6	20	18	18	33	15
103	75	72	2	1	...	...	...	1	8	4	11	35	11	1	9	6	6	42	11
1,619	312	174	86	46	6	...	...	21	54	47	56	96	18	8	42	60	58	127	17
80	13	7	3	2	1	...	...	3	6	3	...	...	...	5	6	2	...	...	...
148	46	37	5	4	...	...	...	5	10	4	7	10	8	6	7	5	6	14	8
1,537	64	31	12	15	4	1	1	9	15	8	11	10	10	7	14	11	9	14	9
283	75	60	9	4	2	...	...	8	15	13	6	16	3	10	14	16	9	22	4
5,650	463	168	96	133	49	16	1	54	125	102	51	55	20	39	110	121	78	92	23
125	17	9	4	3	1	...	...	2	6	2	...	2	2	3	4	4	2	3	1
3,650	298	139	56	53	27	17	6	20	44	35	60	84	41	13	38	36	56	110	45
871	70	24	18	21	5	1	1	10	14	4	16	23	5	7	11	10	13	27	2
585	146	103	20	20	3	...	...	14	21	23	18	35	10	13	21	29	32	46	5
379	16	2	2	5	5	2	...	5	5	1	2	...	...	7	6	...	2	1	...
2,085	77	7	16	27	15	9	3	24	20	7	3	3	6	28	30	9	3	4	3
176	27	16	5	5	1	...	...	3	2	3	4	4	3	5	5	3	5	7	2
2,046	209	126	39	28	9	4	3	7	10	12	9	130	28	7	8	9	12	145	28
183	12	4	3	3	...	2	...	...	2	...	2	2	2	6	3	...	...	3	...
17,536	1,345	640	247	299	104	29	26	363	299	201	111	227	174	283	282	224	140	274	142
800	74	18	21	28	7	...	...	46	24	5	1	3	7	34	23	8	4	2	3
1,405	95	11	26	42	13	3	...	37	29	9	6	3	6	43	21	16	4	2	9
87	8	1	5	1	1	...	...	...	3	3	...	...	1	4	3	1	...	...	...
2,363	135	22	24	57	27	4	1	43	35	24	16	23	16	26	34	24	14	27	10
350	57	18	28	11	...	...	...	47	12	2	1	...	7	27	20	4	2	...	4
2,386	103	23	22	31	14	8	5	26	27	33	15	11	16	18	18	27	16	20	4
35	7	4	1	2	...	...	...	3	3	2	...	1	1	1	2	1	1	1	1
984	23	13	2	3	1	...	...	9	6	5	...	...	2	3	12	1	1	2	4
51	18	15	1	2	...	...	...	3	4	3	2	5	1	2	2	5	2	5	2
822	6	3	2	...	...	...	1	1	2	1	...	2	...	2	2	2	...	2	...
494	54	28	8	13	2	3	...	10	14	12	...	5	...	7	...	9	18	8	5
65	19	15	2	1	1	...	...	3	4	4	...	4	1	1	4	7	2	4	1
67	8	3	2	3	...	...	...	1	1	2	...	2	...	...	2	2	1	2	1
151	59	51	7	1	...	...	...	2	2	5	4	36	7	2	1	7	2	39	8
1,159	92	54	12	14	7	1	4	18	23	12	2	13	11	23	30	14	8	11	6
227	14	8	3	2	...	...	1	...	6	2	1	3	2	2	2	4	2	3	1
55	17	13	3	1	...	...	...	6	1	2	2	3	2	4	2	3	1	4	3
54	10	8	1	1	...	...	...	3	1	1	1	3	2	1	2	1	3	1	2
85	8	3	3	...	2	...	...	2	1	...	1	2	1	1	2	...	...	2	2
941	9	2	1	1	3	...	2	2	1	1	...	2	2	2	1	3	...	2	2
1,348	126	56	26	33	6	4	1	37	31	29	12	11	12	16	28	32	19	21	10
1,264	194	138	22	22	10	1	1	33	36	20	14	44	29	29	35	26	25	49	30
148	39	31	6	1	1	...	...	4	8	5	10	3	3	5	7	8	5	10	4
901	17	2	1	5	3	2	4	8	3	...	2	...	1	8	3	1	3	...	2
484	18	5	4	4	2	1	2	6	9	2	2	...	3	4	7	2	4	1	...
187	27	17	4	5	...	1	...	8	8	3	3	2	2	9	5	2	6	5	...
514	96	75	5	11	4	1	...	...	4	8	7	47	30	1	3	7	7	50	28
109	12	3	5	4	...	...	...	5	1	1	1	...	2	9	2	...	...	1	...

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop		Area irrigated in 1954							
		Total acres	Farms reporting						
			Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1	Ohio.....	13,804	1,477	867	241	236	70	47	16
2	Corn.....	1,053	43	4	8	16	9	5	1
3	Small grains.....	51	5	...	2	3	...	...	...
	Hay, forage, and seeds:								
4	Hay.....	834	28	3	4	15	3	...	3
5	Alfalfa seed.....	96	8	1	4	2	1	...	...
6	Pasture.....	987	53	10	7	25	6	5	...
	Other field crops:								
7	Sugar beets for sugar.....	103	3	...	...	1	2	...	...
8	Irish potatoes.....	3,290	111	23	17	27	15	21	8
	Vegetables:								
9	Beans, snap (bush and pole types).....	315	60	44	8	7	...	1	...
10	Cabbage.....	637	95	56	21	15	2	...	1
11	Cantaloups and muskmelons.....	196	47	30	10	7	...	...	...
12	Carrots.....	98	20	18	1	...	...	1	...
13	Cauliflower.....	144	27	16	6	4	1	...	...
14	Celery.....	368	46	19	12	13	2	...	...
15	Corn, sweet.....	1,322	85	38	15	22	3	4	3
16	Cucumbers and pickles.....	219	57	44	7	5	1	...	...
17	Lettuce and romaine.....	137	40	35	1	4	...	...	...
18	Onions.....	86	25	20	2	3	...	...	...
19	Peppers.....	246	55	40	9	4	2	...	...
20	Radishes.....	181	19	12	1	4	1	1	...
21	Spinach.....	99	24	19	2	2	1	...	...
22	Tomatoes.....	456	123	88	23	12	...	...	...
23	Turnips and turnip greens.....	68	11	9	1	...	...	1	...
24	Other vegetables (including "mixed vegetables" and "home gardens").....	1,045	200	143	32	16	5	4	...
	Berries, tree fruits, nuts, and grapes:								
25	Raspberries.....	98	15	11	3	...	...	1	...
26	Strawberries.....	244	67	55	5	5	2	...	...
27	Apples.....	277	15	1	4	3	6	1	...
28	Peaches.....	229	23	6	8	8	1	...	...
29	Nursery and flower crops.....	823	143	98	26	10	7	2	...
30	All other crops.....	102	29	24	2	3	...	...	...
31	Indiana.....	12,479	756	443	93	122	47	24	27
32	Corn.....	4,563	78	7	12	17	14	13	15
33	Small grains.....	87	9	...	3	6	...	...	...
	Hay, forage, and seeds:								
34	Hay.....	720	30	4	6	11	6	2	1
35	Pasture.....	808	34	4	7	13	5	4	1
	Other field crops:								
36	Soybeans.....	274	10	...	1	6	2	...	1
37	Tobacco.....	223	85	78	4	3	...	...	...
38	Popcorn.....	70	2	...	...	...	2	...	...
39	Irish potatoes.....	2,347	19	5	2	2	5	1	4
40	Mint for oil.....	517	4	...	...	1	1	1	1
	Vegetables:								
41	Beans, snap (bush and pole types).....	175	27	24	1	1	...	...	1
42	Cabbage.....	204	34	22	4	6	2	...	...
43	Cantaloups and muskmelons.....	60	13	8	3	2	...	...	...
44	Corn, sweet.....	322	27	7	10	8	1	...	1
45	Onions.....	217	25	18	2	4	...	...	...
46	Radishes.....	56	7	5	...	1	1	1	...
47	Tomatoes.....	193	49	37	6	4	2	...	...
48	Other vegetables (including "mixed vegetables" and "home gardens").....	975	198	155	17	19	5	1	1
	Berries, tree fruits, nuts, and grapes:								
49	Strawberries.....	66	19	15	2	2	...	...	...
50	Apples.....	113	4	...	2	1	...	1	...
51	Other fruits (other berries, other tree fruits, and grapes).....	64	6	1	2	3	...	...	...
52	Nursery and flower crops.....	374	71	52	8	9	1	1	...
53	All other crops.....	51	5	1	1	3	...	...	...
54	Illinois.....	5,348	304	144	56	60	29	5	10
55	Corn.....	2,164	27	3	3	5	10	4	2
	Hay, forage, and seeds:								
56	Hay.....	122	5	1	...	2	1	1	...
57	Grass seeds.....	306	4	...	1	2	...	...	1
58	Pasture.....	128	9	2	1	4	2	...	...
	Other field crops:								
59	Soybeans.....	132	10	...	1	7	1	...	1
60	Sugar beets for sugar.....	100	1	...	...	...	...	...	1
61	Irish potatoes.....	56	7	2	3	1	...	...	1
	Vegetables:								
62	Beans, snap (bush and pole types).....	65	12	8	2	2	...	...	...
63	Cabbage.....	53	10	7	2	1	...	...	...
64	Corn, sweet.....	112	9	5	...	2	2	...	...
65	Horseradish.....	217	9	2	1	3	2	...	1
66	Onions.....	227	23	9	5	7	2	...	...
67	Tomatoes.....	78	21	17	3	...	1	...	...
68	Other vegetables (including "mixed vegetables" and "home gardens").....	453	66	51	12	1	1	...	1
	Berries, tree fruits, nuts, and grapes:								
69	Strawberries.....	78	13	8	2	2	1	...	...
70	Nursery and flower crops.....	999	73	28	19	19	5	...	2
71	All other crops.....	58	5	1	1	2	1	...	...

# IRRIGATION IN HUMID AREAS

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OF IRRIGATION BY STATES: 1954 AND 1955—Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
12,511	1,419	862	235	204	66	36	16	126	264	271	196	368	252	146	264	239	189	370	211
660	25	2	5	9	5	3	1	14	16	6	3	...	4	10	5	2	2	1	5
47	5	1	2	2	...	...	...	2	...	...	...	...	3	1	1	...	...	...	3
613	28	5	7	10	4	...	2	8	9	7	...	2	2	10	5	7	1	1	4
147	7	...	3	3	...	1	...	3	2	1	1	...	1	1	4	1	...	...	1
579	41	12	8	15	5	1	...	10	13	10	9	7	4	8	14	4	4	6	5
99	3	...	...	2	...	1	...	...	...	1	1	1	...	...	1	1	1	...	7
3,164	95	21	12	22	12	21	7	3	18	28	31	22	9	9	22	26	19	15	4
247	62	45	12	4	1	...	...	4	11	14	9	17	5	5	18	14	7	14	9
635	92	56	17	16	2	...	1	4	20	20	20	19	12	5	17	23	17	21	10
165	47	36	8	3	...	...	...	2	17	9	10	4	5	3	15	15	3	7	11
76	19	18	...	...	1	...	...	4	2	5	2	3	4	5	2	4	2	4	12
160	30	16	11	1	2	...	...	...	1	6	5	11	4	...	3	4	8	11	13
378	43	16	12	13	1	1	...	2	3	3	3	28	7	1	2	4	3	27	14
1,234	78	26	17	25	4	3	3	13	21	21	7	12	11	10	25	20	5	10	15
193	58	49	3	5	1	...	...	1	6	14	9	23	4	1	9	11	11	20	16
136	40	34	2	4	...	...	...	3	11	4	4	11	7	2	10	3	8	12	17
103	21	16	2	2	1	...	...	3	8	3	2	1	8	3	6	4	4	1	18
251	55	41	6	6	2	...	...	1	7	16	9	15	7	3	7	14	12	16	19
115	16	12	...	3	1	...	...	3	2	1	2	3	8	2	3	2	1	4	20
65	22	17	4	1	...	...	...	3	4	3	...	7	1	7	2	2	2	5	21
440	123	90	25	8	...	...	...	8	23	26	13	36	17	12	24	19	14	37	22
65	10	8	1	...	...	1	...	3	4	1	...	...	3	5	1	1	...	1	23
1,153	201	142	28	20	7	3	1	14	26	28	26	50	56	13	32	21	28	49	24
100	16	13	2	...	...	1	...	1	5	3	2	1	3	3	4	3	2	1	25
251	76	65	3	6	2	...	...	2	5	21	12	17	10	6	10	14	11	29	26
212	15	2	5	4	4	...	...	5	6	2	...	1	1	8	5	1	...	...	27
214	23	8	8	5	2	...	...	4	10	4	2	1	2	10	7	2	3	1	28
933	144	93	29	12	9	...	1	1	6	12	9	74	41	2	4	10	16	72	29
76	24	18	3	3	...	...	...	5	8	2	5	2	7	7	1	7	4	5	30
10,276	642	398	86	86	34	18	20	129	120	105	65	153	184	106	95	83	55	144	31
2,749	55	5	5	17	11	9	8	37	17	14	2	1	7	27	15	8	3	2	32
34	5	1	2	2	...	...	...	4	2	...	1	...	2	2	1	1	...	1	33
408	17	2	3	6	4	1	1	11	10	5	...	2	2	7	3	5	...	2	34
613	27	4	5	10	4	3	1	7	6	7	2	5	7	9	3	5	2	5	35
177	9	2	1	2	3	1	...	9	...	...	...	...	1	4	3	2	...	...	36
90	38	34	3	1	...	...	...	26	15	19	7	5	13	19	5	3	1	4	37
159	2	...	1	...	...	...	1	1	...	...	...	...	1	1	...	...	...	...	38
1,362	19	6	2	5	1	2	3	2	5	6	1	3	2	1	5	6	3	3	39
2,248	5	...	1	1	...	...	3	1	1	1	1	...	...	...	1	...	2	1	40
176	24	21	1	1	...	...	1	2	6	2	1	10	6	3	3	3	...	9	41
126	34	26	4	4	...	...	...	1	5	6	4	11	7	4	3	9	5	6	42
33	8	5	3	...	...	...	...	2	1	4	...	3	3	1	1	1	2	2	43
108	20	8	9	3	...	...	...	6	10	2	3	5	1	5	8	...	2	4	44
175	26	18	4	3	...	1	...	2	5	3	3	7	5	2	2	2	4	8	45
51	9	7	...	1	1	...	...	...	2	2	1	...	2	2	1	2	1	...	46
171	47	40	4	1	2	...	...	5	5	11	6	13	9	3	11	7	5	9	47
930	190	148	19	16	6	...	1	8	20	17	22	56	75	10	18	19	21	53	48
92	21	14	5	1	1	...	...	2	1	3	3	7	3	2	2	6	1	9	49
105	7	2	3	1	...	1	...	1	1	1	1	...	...	1	4	1	...	...	50
40	3	1	...	2	...	...	...	1	2	...	2	1	...	1	...	1	...	1	51
389	70	52	9	7	1	...	1	...	3	2	5	23	38	...	4	1	4	25	52
40	6	2	2	2	...	...	...	1	3	...	...	1	...	2	2	1	...	...	53
4,575	289	145	44	60	24	9	7	45	51	46	32	80	50	29	41	40	42	91	54
1,513	19	...	...	5	9	3	2	13	2	7	3	...	2	8	6	...	2	1	55
285	6	1	1	1	1	1	1	1	1	1	...	...	2	4	1	...	...	...	56
168	2	...	...	1	...	...	1	3	...	...	...	...	1	...	...	1	...	...	57
50	2	...	...	1	1	...	...	2	2	...	1	...	4	1	...	...	...	...	58
207	10	1	2	4	2	1	...	4	2	3	1	...	...	5	2	1	2	...	59
...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	60
56	5	2	1	1	...	...	1	1	3	1	...	...	2	...	2	1	1	...	61
71	12	8	1	2	1	...	...	...	3	3	2	1	3	...	2	3	1	3	62
54	11	7	3	1	...	...	...	1	4	2	1	1	1	...	3	1	4	2	63
107	10	5	...	4	1	...	...	2	2	3	1	1	...	1	3	4	2	...	64
158	7	2	2	...	2	1	...	...	2	3	1	2	1	...	2	2	1	2	65
130	21	11	4	6	...	...	...	1	6	6	2	4	4	3	1	2	4	7	66
87	17	10	6	...	1	...	...	5	3	2	1	8	2	2	7	...	3	4	67
416	66	55	6	3	...	1	1	7	10	6	8	15	20	2	9	10	9	16	68
132	18	11	2	4	1	...	...	1	2	...	2	8	...	1	1	6	...	10	69
1,088	76	28	15	25	5	2	1	2	8	8	9	38	8	2	1	8	11	43	70
53	7	4	1	2	...	...	...	1	1	1	...	2	...	...	1	1	2	3	71

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop		Area irrigated in 1954							
		Total acres	Farms reporting						
			Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1	Wisconsin.....	10,470	491	249	65	87	32	25	33
2	Corn.....	117	10	3	1	5	1	...	...
3	Small grains.....	140	4	...	...	3	...	...	1
4	Hay, forage, and seeds:								
5	Hay.....	328	18	5	2	8	2	...	1
6	Grass seeds.....	57	3	...	1	1	1	...	...
7	Pasture.....	163	10	...	3	6	...	1	...
8	Other field crops:								
9	Irish potatoes.....	6,827	109	12	9	21	23	19	25
10	Vegetables:								
11	Beans, snap (bush and pole types).....	424	24	13	5	5	...	...	1
12	Beets (table).....	101	2	1	...	...	...	...	1
13	Cabbage.....	137	10	6	...	2	1	1	...
14	Carrots.....	151	3	1	...	...	...	1	1
15	Corn, sweet.....	185	24	14	4	5	...	1	...
16	Cucumbers and pickles.....	90	20	14	3	2	1	...	...
17	Horseradish.....	400	1	...	...	...	...	...	1
18	Onions.....	193	13	8	...	3	1	...	1
19	Peppers.....	91	9	4	2	2	...	1	...
20	Rutabagas.....	185	3	...	...	2	...	...	1
21	Tomatoes.....	50	22	18	4	...	...	...	...
22	Other vegetables (including "mixed vegetables and "home gardens")..	355	81	61	9	9	1	1	...
23	Berries, tree fruits, nuts, and grapes:								
24	Raspberries.....	50	15	11	2	2	...	...	...
25	Strawberries.....	237	74	55	13	6	...	...	...
26	Apples.....	33	3	...	1	2	...	...	...
27	Nursery and flower crops.....	65	25	21	3	1	...	...	...
28	All other crops.....	91	8	2	3	2	1	...	...
29	Michigan.....	20,396	2,294	1,188	482	443	108	53	20
30	Corn.....	825	34	5	6	11	8	3	1
31	Hay, forage, and seeds:								
32	Hay.....	192	15	1	6	5	2	1	...
33	Pasture.....	665	51	10	10	21	9	...	1
34	Other field crops:								
35	Sugar beets for sugar.....	90	4	...	1	2	...	1	...
36	Irish potatoes.....	4,722	195	44	28	62	30	19	12
37	Mint for oil.....	341	6	...	1	...	2	2	1
38	Vegetables:								
39	Asparagus.....	132	29	19	7	3	...	...	...
40	Beans, snap (bush and pole types).....	750	79	32	16	22	8	1	...
41	Beets (table).....	53	10	6	2	2	...	...	...
42	Cabbage.....	308	63	37	16	9	1	...	...
43	Cantaloups and muskmelons.....	298	70	48	16	6	...	...	...
44	Carrots.....	75	14	8	3	3	...	...	...
45	Cauliflower.....	394	54	23	15	16	...	...	...
46	Celery.....	909	69	19	17	24	5	4	...
47	Corn, sweet.....	561	90	47	21	19	3	...	...
48	Cucumbers and pickles.....	901	155	94	30	29	1	1	...
49	Lettuce and romaine.....	74	17	10	6	1	...	...	...
50	Onions.....	434	23	13	3	2	3	...	2
51	Peppers.....	135	53	44	6	3	...	...	...
52	Radishes.....	50	13	11	1	1	...	...	...
53	Spinach.....	76	11	8	2	...	...	1	...
54	Squash.....	69	22	19	1	2	...	...	...
55	Tomatoes.....	1,050	196	117	45	28	6	...	...
56	Other vegetables (including "mixed vegetables" and "home gardens")..	721	160	111	27	20	1	1	...
57	Berries, tree fruits, nuts, and grapes:								
58	Blueberries.....	404	30	12	5	8	3	2	...
59	Raspberries.....	429	97	64	21	11	1	...	...
60	Strawberries.....	2,974	427	211	113	88	10	5	...
61	Apples.....	646	38	12	9	7	6	4	...
62	Cherries.....	136	20	11	5	3	...	1	...
63	Peaches.....	317	41	14	14	11	1	...	1
64	Pears.....	56	12	8	2	2	...	...	...
65	Other fruits (other berries, other tree fruits, and grapes).....	256	35	24	7	2	...	2	...
66	Nursery and flower crops.....	1,219	148	100	18	16	8	5	1
67	All other crops.....	134	13	6	2	4	...	...	1

# IRRIGATION IN HUMID AREAS

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OF IRRIGATION BY STATES: 1954 AND 1955--Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
12,826	534	274	66	80	53	23	38	69	98	77	52	146	49	52	95	79	52	205	51
173	10	3	2	1	4	...	...	3	4	1	1	...	1	2	5	1	...	1	1
72	5	2	1	...	2	...	...	1	1	1	...	...	1	1	3	...	...	1	...
290	15	5	1	3	5	1	...	6	7	1	1	1	2	4	5	3	...	2	1
74	4	...	1	2	1	...	...	2	...	...	...	1	...	3	...	...	...	1	...
122	11	...	2	9	...	...	...	1	6	...	2	1	...	1	5	1	2	2	...
8,914	117	17	5	18	28	18	31	10	26	27	15	29	2	11	25	18	10	52	1
443	24	14	3	3	2	...	2	5	8	3	2	5	1	4	7	3	2	6	2
47	3	2	...	...	1	...	...	1	...	1	...	...	...	...	1	...	1	...	...
162	16	8	3	3	1	1	...	2	2	3	...	3	...	4	3	3	1	4	1
376	7	1	1	1	...	2	2	...	2	...	...	...	1	1	1	2	1	1	1
190	25	17	...	6	2	...	...	3	10	6	2	1	2	3	9	5	2	4	2
150	25	15	3	6	1	...	...	3	6	2	4	5	...	5	3	3	3	8	3
400	1	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	1	14
206	14	9	...	3	1	...	1	4	1	1	...	5	2	3	3	1	...	6	1
53	10	5	3	2	...	...	...	1	1	1	1	3	2	...	...	2	3	3	2
13	1	...	...	1	...	...	...	...	...	2	...	1	...	...	...	...	...	1	...
41	19	15	4	...	...	...	...	3	2	2	5	5	...	...	1	5	2	7	4
460	88	64	14	8	1	...	1	11	8	10	9	33	10	2	12	15	12	35	12
57	19	13	4	2	...	...	...	1	3	2	...	7	2	1	1	4	...	11	2
278	79	58	14	7	...	...	...	6	4	10	9	35	10	2	4	8	8	48	9
82	5	...	1	2	2	...	...	1	1	1	...	...	...	2	3	...	...	...	...
71	25	21	2	2	...	...	...	2	3	3	...	11	6	2	2	2	3	10	6
152	11	5	2	1	2	1	...	3	3	...	1	...	1	1	2	3	2	1	2
23,917	2,513	1,267	522	504	134	60	26	271	484	424	322	629	164	281	443	434	339	828	188
957	46	14	7	14	7	2	2	16	8	6	2	2	...	16	17	6	3	2	2
194	16	4	5	6	...	1	...	7	1	1	3	1	2	7	2	1	3	1	2
545	39	6	8	15	8	1	1	10	12	9	10	8	2	7	8	7	7	10	...
73	4	1	...	2	...	1	...	...	2	...	...	1	1	1	1	...	...	1	1
4,884	198	49	31	54	30	22	12	12	35	45	33	65	5	8	25	38	35	84	8
289	5	...	...	1	1	2	1	...	4	1	...	...	1	2	2	...	...	...	1
177	38	24	10	4	...	...	...	6	9	7	3	3	1	14	7	5	7	4	1
847	88	36	16	26	9	1	...	15	24	18	8	14	...	9	19	20	11	21	8
63	9	5	2	1	1	...	...	3	3	1	...	3	...	2	3	1	...	3	...
399	64	34	19	10	...	1	...	11	11	14	9	11	7	9	10	14	7	18	6
316	73	51	17	3	2	...	...	6	17	9	10	23	5	5	17	14	7	27	3
87	18	10	5	3	...	...	...	1	4	2	...	7	...	2	2	1	2	10	1
490	69	38	11	18	2	...	...	...	10	17	12	14	1	2	12	10	9	29	7
1,036	67	16	13	28	8	1	1	6	13	13	10	17	10	4	8	11	8	26	10
539	91	50	22	15	4	...	...	10	29	16	11	20	4	10	16	27	11	22	5
1,305	158	76	39	33	8	1	1	8	25	40	36	37	9	11	16	35	38	52	6
70	18	15	2	1	...	...	...	2	4	4	1	5	1	1	5	1	4	6	1
500	30	17	4	4	3	...	2	4	3	4	4	6	2	2	6	4	1	12	5
138	56	47	6	3	...	...	...	4	9	11	11	17	1	4	10	12	10	17	3
78	15	9	4	1	1	...	...	2	6	1	...	4	...	3	2	1	1	6	2
147	14	8	4	1	...	...	...	1	2	4	1	1	2	2	2	3	2	3	2
112	30	21	5	4	...	...	1	6	5	3	1	7	...	4	7	5	3	7	4
1,217	222	130	54	33	3	2	...	22	43	45	26	48	12	19	40	52	30	68	13
750	164	111	24	28	...	1	...	14	28	23	15	61	19	11	27	21	22	61	22
540	34	11	3	14	4	2	...	7	7	7	4	4	1	3	7	10	7	6	1
505	102	58	31	12	1	...	...	15	34	13	12	13	10	26	25	17	12	16	6
3,734	462	217	114	102	22	7	...	28	70	77	73	148	31	19	56	79	62	213	33
824	50	16	10	12	8	4	...	13	15	4	2	...	4	17	21	7	4	1	...
183	24	13	5	5	...	1	...	13	2	2	1	1	1	7	12	1	1	1	2
806	62	24	15	19	2	...	2	13	14	5	3	4	2	24	22	8	3	5	...
58	12	8	3	1	...	...	...	3	4	2	2	...	1	5	5	1	1	...	...
383	43	28	8	3	...	4	...	4	7	6	4	10	4	10	7	6	6	11	3
1,379	158	103	22	16	10	6	1	3	21	14	14	71	25	3	15	13	18	79	30
292	34	17	3	12	...	...	2	6	3	...	1	3	...	12	9	3	4	6	...

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop		Area irrigated in 1954							
		Total Acres	Farms reporting						
			Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1	Minnesota.....	7,381	577	305	80	95	58	32	7
2	Corn.....	608	19	1	2	7	5	3	1
3	Small grains: Oats.....	70	2	...	...	...	2	...	...
4	Hay, forage, and seeds: Hay.....	531	24	4	3	9	6	2	...
5	Grass silage.....	55	1	...	...	...	...	1	...
6	Pasture.....	221	11	...	1	7	3	...	...
7	Other field crops: Soybeans.....	70	3	...	...	2	1	...	...
8	Sugar beets for sugar.....	227	4	...	...	1	1	2	...
9	Irish potatoes.....	3,157	80	8	4	15	29	20	4
10	Vegetables: Beets (table).....	65	3	1	...	1	1	...	...
11	Cabbage.....	102	23	14	7	2	...	...	...
12	Cantaloups and muskmelons.....	110	25	17	3	5	...	...	...
13	Celery.....	92	7	4	...	2	...	...	1
14	Corn, sweet.....	306	31	13	6	8	4	...	...
15	Lettuce and romaine.....	105	8	6	1	...	...	1	...
16	Onions.....	169	20	12	5	2	...	...	1
17	Squash.....	55	14	8	6	...	...	...	...
18	Tomatoes.....	100	39	34	4	1	...	...	...
19	Other vegetables (including "mixed vegetables" and "home gardens")..	684	137	91	22	20	3	1	...
20	Berries, tree fruits, nuts, and grapes: Raspberries.....	54	27	25	2	...	...	...	...
21	Strawberries.....	163	49	39	7	2	1	...	...
22	Nursery and flower crops.....	395	48	28	6	11	1	2	...
23	All other crops.....	42	2	...	1	...	1	...	...
24	Iowa.....	1,957	160	62	35	44	11	4	4
25	Corn.....	782	22	2	3	7	5	3	2
26	Other field crops: Sweetpotatoes.....	182	17	5	4	7	1	...	...
27	Vegetables: Cabbage.....	64	6	1	2	2	1	...	...
28	Cantaloups and muskmelons.....	152	23	10	8	4	1	...	...
29	Tomatoes.....	30	8	5	2	1	...	...	...
30	Watermelons.....	155	20	5	7	8	...	...	...
31	Other vegetables (including "mixed vegetables" and "home gardens")..	179	40	28	6	5	1	...	...
32	Nursery and flower crops.....	310	16	4	3	7	...	1	1
33	All other crops.....	103	8	2	...	3	2	...	1
34	Missouri.....	33,238	1,294	451	172	323	157	116	75
35	Corn.....	7,339	193	8	22	68	37	43	15
36	Small grains: Oats.....	187	8	...	2	4	...	2	...
37	Barley.....	286	10	...	2	4	2	2	...
38	Rye.....	307	10	...	3	2	3	1	1
39	Rice.....	6,431	31	...	...	...	2	4	25
40	Other small grains.....	214	9	1	1	4	2	1	...
41	Hay, forage, and seeds: Hay.....	3,642	154	5	42	65	22	15	5
42	Grass silage.....	60	1	...	...	...	...	1	...
43	Fescue seed.....	136	3	...	1	1	...	...	1
44	Lespedeza seed.....	160	10	2	1	4	3	...	...
45	Sudan grass seed.....	354	26	1	9	14	1	1	...
46	Other grass seeds.....	149	10	1	2	5	2	...	...
47	Pasture.....	3,608	127	5	9	66	29	12	6
48	Other field crops: Soybeans.....	2,529	63	1	7	19	18	11	7
49	Cotton.....	3,300	70	1	8	16	22	17	6
50	Sweetpotatoes.....	78	14	7	5	1	1	...	...
51	Sorghums, except for sirup.....	787	44	4	12	20	6	1	1
52	Vegetables: Beans, snap (bush and pole types).....	65	20	14	5	1	...	...	...
53	Cabbage.....	76	29	25	2	2	...	...	...
54	Corn, sweet.....	63	12	9	2	...	1	...	...
55	Cucumbers and pickles.....	84	27	20	5	2	...	...	...
56	Spinach.....	55	22	19	2	1	...	...	...
57	Tomatoes.....	129	60	52	8	...	...	...	...
58	Watermelons.....	60	2	...	...	1	1	...	...
59	Other vegetables (including "mixed vegetables" and "home gardens")..	1,089	229	202	15	9	2	...	1
60	Berries, tree fruits, nuts, and grapes: Strawberries.....	95	26	19	3	4	...	...	...
61	Apples.....	1,409	13	...	...	4	...	3	6
62	Other fruits (other berries, other tree fruits, and grapes).....	252	19	12	2	3	...	1	1
63	Nursery and flower crops.....	250	41	35	...	2	3	1	...
64	All other crops.....	44	11	8	2	1	...	...	...

# IRRIGATION IN HUMID AREAS

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OF IRRIGATION BY STATES: 1954 AND 1955—Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
7382	588	309	86	100	51	35	7	90	145	111	67	116	48	82	87	116	90	171	42
507	17	2	3	5	2	4	1	9	6	1	2	...	1	10	4	1	1	...	1
71	3	...	...	2	1	...	...	2	...	...	...	...	...	3	...	...	...	...	...
416	20	5	2	10	1	1	1	12	6	2	...	3	1	9	3	4	...	3	1
51	1	...	...	...	...	1	...	1	...	...	...	...	...	...	1	...	...	...	...
248	9	1	1	3	2	2	...	4	3	2	...	...	2	...	2	7	...	...	...
152	7	...	1	4	2	...	...	1	...	2	...	...	...	4	1	1	1	...	...
37	1	...	...	...	1	...	...	2	1	1	...	...	...	...	...	1	...	...	...
3,190	73	7	1	11	28	21	5	9	22	31	5	7	6	7	4	17	26	17	2
73	3	1	...	1	...	1	...	1	1	1	...	...	...	1	...	2	...	...	...
145	25	13	7	5	...	...	...	7	6	6	3	1	...	2	7	9	2	5	...
98	25	18	4	3	...	...	...	5	9	5	3	...	3	3	5	6	5	4	...
71	5	2	...	2	1	...	...	...	1	2	...	4	...	1	...	...	...	4	...
411	42	18	9	11	3	1	...	5	14	6	1	2	3	10	10	13	3	4	...
78	8	6	1	...	...	1	...	...	3	3	...	2	...	1	1	2	1	3	...
87	19	11	5	3	...	...	...	5	7	2	2	4	...	4	5	2	3	4	...
57	14	8	5	1	...	...	...	4	6	2	...	...	2	3	4	4	2	...	...
108	41	35	5	1	...	...	...	3	10	14	4	8	...	4	7	11	6	13	...
879	147	92	25	22	7	1	...	15	26	18	24	39	15	14	22	24	22	50	15
56	27	25	2	...	...	...	...	2	11	...	6	7	1	2	3	2	6	12	2
193	49	37	7	4	1	...	...	1	9	9	13	17	...	1	6	6	11	24	1
403	46	27	5	10	2	2	...	2	3	4	4	22	13	1	1	3	1	28	12
51	6	1	3	2	...	...	...	...	1	...	...	...	1	2	1	1	...	...	2
2,800	220	80	56	61	9	10	4	29	30	28	22	34	17	29	33	27	26	93	12
830	21	3	1	5	2	9	1	13	6	...	...	1	2	5	10	1	1	2	2
266	29	6	12	11	...	...	...	1	...	7	...	8	1	...	...	4	3	22	...
48	4	1	1	1	1	...	...	...	3	2	1	...	...	1	3	...	...	...	...
221	36	14	15	6	1	...	...	1	2	5	7	6	2	1	4	3	3	25	...
51	11	7	2	2	...	...	...	2	4	1	1	1	...	6	1	...	2	2	...
290	32	7	10	14	1	...	...	1	5	6	5	1	1	...	4	6	4	18	...
229	49	34	7	7	1	...	...	9	5	6	6	7	7	8	5	9	9	11	7
591	17	5	3	6	1	...	2	...	1	1	2	10	2	...	1	1	2	10	3
274	21	3	5	9	2	1	1	2	4	...	...	...	2	8	5	3	2	3	...
21,059	974	405	134	204	112	72	47	231	277	208	142	236	200	203	229	127	80	185	150
4,460	109	8	9	26	31	26	9	79	62	24	9	5	14	64	30	9	...	1	5
51	5	...	2	3	...	...	...	3	4	1	...	...	...	1	3	1	...	...	...
78	6	...	3	2	1	...	...	2	7	...	...	1	...	2	1	2	...	1	...
129	4	...	1	...	2	1	...	3	6	1	...	...	...	2	1	1	...	...	...
3,947	28	...	...	2	3	7	16	3	2	1	1	2	22	1	2	1	...	2	22
71	3	...	...	2	1	...	...	5	3	...	1	...	...	3	...	...	...	...	...
2,294	99	4	31	36	15	8	5	26	34	34	24	23	13	20	35	15	15	9	5
10	1	...	...	1	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
...	...	...	...	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
114	6	1	...	3	2	...	...	3	3	1	...	1	...	2	2	1	...	1	...
236	17	1	3	12	1	...	...	2	4	13	4	1	2	5	4	3	2	...	...
151	12	1	4	6	1	...	...	4	2	3	1	...	...	5	3	3	...	1	...
2,449	94	4	13	45	21	8	3	21	33	20	18	19	16	21	34	12	7	13	7
1,197	35	1	6	10	10	5	3	27	18	11	...	2	5	22	10	1	...	1	1
1,698	44	1	11	8	13	9	2	14	26	16	8	2	4	19	16	4	...	1	4
77	12	5	5	1	1	...	...	2	1	1	2	5	3	1	4	2	2	1	2
341	23	2	4	13	3	1	...	8	15	15	1	2	3	11	7	1	1	1	2
70	16	12	3	...	1	...	...	1	...	3	2	8	6	...	3	4	1	4	5
98	31	27	1	3	...	...	...	1	2	5	5	11	5	2	4	9	3	8	...
90	12	8	1	1	...	1	1	1	4	2	2	...	3	3	4	3	1	...	...
75	21	16	3	2	...	...	...	...	3	2	3	13	6	...	3	4	1	7	...
88	19	16	...	2	1	...	...	1	6	3	3	6	3	...	7	2	3	5	...
149	54	40	14	...	...	...	...	4	2	8	11	23	12	4	2	7	13	18	10
43	6	4	...	2	...	...	...	1	...	1	...	...	...	...	3	...	...	1	2
1,026	214	186	14	11	1	...	2	9	28	29	27	79	57	8	32	29	22	72	51
147	31	22	3	5	1	...	...	2	3	3	5	6	7	3	4	2	4	13	5
1,416	13	...	...	4	1	3	5	1	2	1	4	5	...	1	3	3	4	2	...
224	13	8	1	2	...	1	1	1	4	4	1	4	5	1	4	2	...	1	5
304	37	31	...	2	2	2	...	2	...	4	7	17	11	1	2	4	...	22	8
26	9	7	2	...	...	...	...	4	3	1	2	...	1	1	6	1	1	...	...

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop		Area irrigated in 1954							
		Total acres	Farms reporting						
			Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1	Delaware.....	5,038	125	14	17	37	20	18	19
	Hay, forage, and seeds:								
2	Hay.....	114	3	...	1	1	...	1	...
3	Pasture.....	395	13	1	...	7	2	3	...
	Other field crops:								
4	Irish potatoes.....	2,380	23	...	...	1	...	8	14
	Vegetables:								
5	Asparagus.....	55	3	...	1	1	1	...	...
6	Beans, green lima.....	177	5	1	...	...	3	1	...
7	Beans, snap (bush and pole types).....	556	6	...	1	1	1	...	3
8	Cabbage.....	172	5	1	...	2	...	2	...
9	Cauliflower.....	113	9	1	3	4	1	...	...
10	Corn, sweet.....	99	6	...	3	...	2	...	1
11	Cucumbers and pickles.....	65	6	2	1	3	...	...	...
12	Peppers.....	79	3	...	1	...	2	...	...
13	Tomatoes.....	427	17	2	2	4	6	3	...
14	Other vegetables (including "mixed vegetables" and "home gardens").....	177	17	5	3	8	1	...	...
	Berries, tree fruits, nuts, and grapes:								
15	Strawberries.....	100	1	...	...	...	...	...	1
16	Nursery and flower crops.....	55	5	1	1	3	...	...	...
17	All other crops.....	74	3	...	...	2	1	...	...
18	Maryland.....	7,333	357	128	61	91	34	26	17
19	Corn.....	201	17	4	5	6	2	...	...
	Hay, forage, and seeds:								
20	Hay.....	665	26	4	5	10	4	1	2
21	Pasture.....	1,239	46	3	4	20	11	6	2
	Other field crops:								
22	Soybeans.....	86	4	2	...	1	...	1	...
23	Tobacco.....	110	11	6	...	4	1	...	...
24	Irish potatoes.....	167	11	4	1	3	2	1	...
	Vegetables:								
25	Asparagus.....	60	1	...	...	...	...	1	...
26	Beans, green lima.....	81	6	3	...	2	...	1	...
27	Beans, snap (bush and pole types).....	1,149	28	7	4	5	4	4	4
28	Broccoli.....	127	3	2	...	...	...	...	1
29	Cantaloupe and muskmelons.....	27	7	4	3	...	...	...	...
30	Corn, sweet.....	127	13	6	2	4	...	1	...
31	Cucumbers and pickles.....	275	22	6	7	6	1	2	...
32	Mustard (greens).....	...	...	...	...	...	...	...	...
33	Peas, green (English).....	55	3	1	...	1	1	...	...
34	Spinach.....	677	10	3	1	1	...	2	3
35	Tomatoes.....	391	31	13	6	6	4	2	...
36	Turnips and turnip greens.....	60	7	3	1	3	...	...	...
37	Other vegetables (including "mixed vegetables" and "home gardens").....	551	53	30	12	7	1	1	2
	Berries, tree fruits, nuts, and grapes:								
38	Apples.....	627	7	...	1	1	1	3	1
39	Peaches.....	229	4	1	1	1	...	...	1
40	Pears.....	145	1	...	...	...	...	...	...
41	Other fruits (other berries, other tree fruits, and grapes).....	61	6	2	...	4	...	...	...
42	Nursery and flower crops.....	158	32	20	8	2	2	...	...
43	All other crops.....	65	8	4	...	4	...	...	...
44	Virginia.....	22,707	1,013	284	174	287	152	74	42
45	Corn.....	2,593	110	16	14	45	24	8	3
	Small grains:								
46	Barley.....	72	3	...	1	1	...	1	...
47	Other small grains.....	102	9	1	1	7	...	...	...
	Hay, forage, and seeds:								
48	Hay and grass silage.....	4,173	164	20	23	62	43	9	7
49	Pasture.....	5,541	177	18	21	64	38	28	8
	Other field crops:								
50	Soybeans.....	94	7	4	...	1	2	...	...
51	Peanuts.....	206	11	...	2	5	4	...	...
52	Tobacco.....	1,347	170	61	66	39	4	...	...
53	Irish potatoes.....	2,212	39	5	2	4	7	12	9
54	Sweetpotatoes.....	105	4	...	...	3	...	1	...
55	Fennel seed.....	150	1	...	...	...	...	...	1
	Vegetables:								
56	Beans, snap (bush and pole types).....	406	20	6	2	6	4	1	1
57	Broccoli.....	315	5	...	1	...	...	2	2
58	Cabbage.....	582	27	7	6	9	3	...	2
59	Corn, sweet.....	324	19	8	3	3	2	3	...
60	Cucumbers and pickles.....	275	9	2	...	2	3	2	...
61	Lettuce and romaine.....	370	3	...	1	...	...	1	1
62	Peppers.....	58	4	3	...	...	...	1	...
63	Spinach.....	232	6	4	...	1	...	...	1
64	Tomatoes.....	311	28	15	3	2	8	...	...
65	Turnips and turnip greens.....	99	5	2	1	1	...	1	...
66	Other vegetables (including "mixed vegetables" and "home gardens").....	1,330	108	79	8	15	3	2	1
	Berries, tree fruits, nuts, and grapes:								
67	Strawberries.....	62	8	3	2	2	1	...	...
68	Apples.....	456	10	1	2	3	1	1	2
69	Peaches.....	214	3	...	...	2	...	...	1
70	Other fruits (other berries, other tree fruits, and grapes).....	308	8	1	1	2	2	1	1
71	Nursery and flower crops.....	554	47	25	12	6	3	...	1
72	All other crops.....	216	8	3	2	2	...	...	1

## IRRIGATION IN HUMID AREAS

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## OF IRRIGATION BY STATES: 1954 AND 1955--Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
6,141	148	17	24	40	28	16	23	18	32	33	14	14	14	29	42	32	16	17	12
98	3	1	1	...	...	1	...	...	1	2	...	...	...	1	1	...	...	1	...
420	11	...	...	3	6	2	...	2	3	3	2	...	3	1	2	3	2	1	2
3,107	29	...	1	1	2	7	18	4	7	6	4	1	1	8	11	7	2	1	...
84	4	2	...	1	...	1	...	1	1	...	...	1	...	2	1	...	...	1	...
89	5	2	...	1	2	...	...	1	1	1	...	...	2	...	2	1	...	...	2
522	8	...	2	2	2	...	2	1	2	3	...	...	...	3	3	1	...	...	1
139	7	...	3	2	1	1	...	...	...	3	...	...	2	...	1	3	2	...	1
113	9	1	2	5	1	...	...	...	2	3	3	...	1	...	5	1	2	1	...
19	3	1	1	...	...	...	1	1	5	...	...	...	...	...	1	1	...	1	...
110	8	2	1	4	1	...	...	...	2	2	...	2	...	...	1	2	3	2	...
42	3	1	1	...	1	...	...	...	...	...	1	1	1	...	1	...	1	1	...
489	20	2	4	3	8	3	...	2	5	6	...	3	1	5	8	4	1	2	...
286	23	4	6	10	3	...	...	3	2	4	4	2	2	6	4	5	2	3	3
200	1	...	...	...	...	...	1	1	...	...	...	...	...	1	...	...	...	...	15
98	5	1	1	2	...	1	...	...	...	...	...	4	1	...	...	...	1	3	1
325	9	...	1	6	1	...	1	2	1	...	...	...	...	2	1	4	...	...	2
8,094	358	133	61	78	42	22	22	65	85	69	38	58	42	81	87	65	29	43	53
494	19	4	5	3	4	2	1	11	4	2	...	...	...	10	1	3	...	3	2
576	18	4	...	8	2	2	2	4	11	4	2	2	3	4	5	2	1	1	5
1,311	37	3	7	9	11	5	2	4	11	12	10	6	3	7	11	6	6	5	2
55	4	1	1	1	1	...	...	2	1	1	...	...	...	3	...	...	...	...	1
127	13	5	3	4	1	...	...	1	2	1	2	4	1	1	...	2	1	7	2
314	14	4	2	3	3	2	...	3	4	2	1	1	...	7	4	...	...	1	2
120	2	...	...	1	...	...	1	...	...	1	...	...	...	...	...	1	...	...	1
55	4	3	...	...	...	...	1	2	3	1	...	...	...	2	1	1	...	...	26
1,390	30	7	3	7	5	3	5	4	13	7	1	1	2	7	13	5	2	...	3
124	2	1	...	...	...	...	1	1	...	1	...	1	...	...	...	1	...	1	...
65	12	5	6	1	...	...	...	...	3	2	1	...	1	4	6	2	...	...	29
145	20	12	2	5	...	1	...	3	4	1	2	1	2	3	8	4	1	...	4
258	21	6	4	8	2	1	...	...	2	7	3	9	1	5	5	6	...	...	5
60	3	1	...	1	...	1	...	...	...	...	...	...	...	...	1	1	...	...	32
181	5	1	1	1	...	1	1	1	...	...	...	...	2	2	...	1	...	1	33
232	8	4	...	...	2	1	1	5	1	2	...	...	2	2	3	1	...	1	34
588	29	8	8	5	5	1	2	11	10	6	1	1	2	12	10	5	2	...	35
78	8	3	1	3	1	...	...	2	1	1	...	3	...	2	1	2	1	...	36
531	56	37	8	7	2	...	2	4	11	13	7	8	10	4	11	15	9	7	10
614	7	1	1	2	...	2	1	2	...	1	2	1	1	3	2	2	...	...	38
417	4	...	1	1	1	...	1	1	...	1	...	1	1	...	1	3	...	...	39
140	1	...	...	...	...	...	1	...	1	...	...	1	...	...	...	...	1	...	40
33	6	2	...	4	...	...	...	1	1	1	3	...	...	2	...	1	2	1	41
166	31	18	8	3	2	...	...	...	1	1	2	17	11	...	2	1	3	14	42
20	4	3	...	1	...	...	...	3	2	1	1	1	...	1	2	...	1	...	43
16,394	789	245	144	210	96	62	32	136	221	200	136	167	153	194	196	141	60	109	89
1,646	76	19	13	24	11	5	4	38	37	13	7	5	10	38	20	6	...	4	8
53	2	1	...	...	...	1	...	...	1	...	...	1	1	1	...	...	1	...	46
44	5	2	...	3	...	...	...	4	2	2	...	...	1	1	2	1	...	...	47
2,907	109	11	16	42	28	8	4	20	37	43	30	14	20	29	33	21	13	8	5
2,897	103	12	14	40	21	12	4	21	36	41	21	30	28	32	20	9	9	17	16
34	4	2	1	1	...	...	...	2	2	1	1	...	1	3	...	1	...	...	50
48	5	...	3	1	...	...	1	5	4	1	...	...	1	1	3	...	...	...	51
1,294	151	52	56	38	3	2	...	18	22	32	39	43	16	30	41	37	16	20	7
2,279	37	4	2	4	6	13	8	4	10	14	8	1	2	5	17	10	1	3	1
68	3	...	1	...	2	...	...	1	3	...	...	...	...	1	...	1	...	...	54
100	1	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...	55
390	18	7	...	5	3	3	...	5	6	2	1	...	6	8	3	3	1	...	3
360	6	...	1	...	1	2	2	1	1	1	1	...	1	2	...	3	...	...	57
542	27	6	8	9	2	1	1	...	9	11	2	...	5	1	8	11	4	...	58
328	19	7	4	3	2	3	...	1	6	7	1	1	3	3	9	5	...	1	59
404	15	3	1	5	3	3	...	...	2	1	1	3	2	4	2	3	2	1	60
466	7	3	...	1	1	...	2	...	...	2	1	...	...	...	4	...	1	2	61
36	5	3	...	2	...	...	...	1	...	...	...	1	2	1	...	1	...	1	62
101	5	3	...	1	...	1	...	3	1	...	1	...	1	3	1	...	...	...	63
200	20	9	4	3	4	...	...	1	10	6	1	6	4	2	5	3	2	5	64
105	6	3	...	1	1	1	...	1	...	...	1	2	1	1	...	2	1	1	65
755	93	67	5	16	1	3	1	7	11	16	15	36	23	20	16	14	9	19	66
145	11	4	2	3	1	1	...	...	5	1	...	1	1	4	2	3	...	1	67
12	2	1	1	...	...	...	...	2	3	3	...	...	1	...	1	...	1	...	68
20	1	...	...	1	...	...	...	...	1	...	1	...	1	...	1	...	...	...	69
202	4	1	...	...	1	1	1	...	5	...	...	1	2	...	2	1	...	1	70
678	43	24	8	3	5	1	2	1	3	1	3	21	18	1	4	2	1	23	71
280	11	1	4	4	...	1	1	...	3	2	...	1	2	3	5	...	...	1	72

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop	Area irrigated in 1954							
	Total acres	Farms reporting						
		Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1 West Virginia.....	1,103	56	25	7	14	7	1	2
Hay, forage, and seeds:								
2 Hay.....	101	6	2	1	2	1	...	...
3 Pasture.....	110	6	1	...	3	2	...	...
4 Vegetables.....	152	24	17	2	3	2	...	...
5 Berries, tree fruits, nuts, and grapes.....	385	4	...	...	2	1	...	1
6 Nursery and flower crops.....	279	9	3	2	1	1	1	1
7 All other crops.....	76	7	2	2	3	...	...	...
8 North Carolina.....	27,253	2,523	1,061	596	629	164	52	21
9 Corn.....	2,204	224	93	62	57	6	4	2
10 Small grains.....	57	8	1	5	2	...	...	...
Hay, forage, and seeds:								
11 Hay.....	2,084	130	39	29	40	12	6	4
12 Pasture.....	5,473	305	68	62	114	44	13	4
Other field crops:								
13 Cotton.....	352	22	5	8	6	1	1	1
14 Tobacco.....	11,017	1,123	408	311	312	78	14	...
15 Irish potatoes.....	643	28	13	4	4	3	2	2
16 Sweetpotatoes.....	195	23	14	6	2	...	...	1
Vegetables:								
17 Beans, green lima.....	111	9	5	2	1	...	1	...
18 Beans, snap (bush and pole types).....	836	109	65	22	16	3	2	1
19 Cabbage.....	524	42	21	4	12	2	2	1
20 Collards.....	66	9	5	...	4	...	...	...
21 Corn, sweet.....	175	21	10	7	2	2	...	...
22 Cucumbers and pickles.....	215	37	20	11	4	2	...	...
23 Lettuce and romaine.....	283	13	4	4	2	1	1	1
24 Peppers.....	89	27	21	3	3	...	...	...
25 Tomatoes.....	296	33	20	4	6	1	2	...
26 Turnips and turnip greens.....	59	11	8	1	1	1	...	...
27 Other vegetables (including "mixed vegetables" and "home gardens")..	907	221	175	23	17	4	1	1
Berries, tree fruits, nuts, and grapes:								
28 Peaches.....	736	9	...	2	4	...	1	2
29 Other fruits (other berries, other tree fruits, and grapes).....	57	7	3	...	4	...	...	...
30 Nursery and flower crops.....	754	92	53	19	14	3	2	1
31 All other crops.....	120	20	10	7	2	1	...	...
32 South Carolina.....	21,526	863	256	167	219	108	63	50
33 Corn.....	3,634	144	24	32	48	19	14	7
Small grains:								
34 Rice.....	1,270	5	...	...	...	1	...	4
35 Millet.....	100	2	...	...	...	1	1	...
36 Other small grains.....	260	4	...	...	2	1	...	1
Hay, forage, and seeds:								
37 Hay.....	526	24	1	6	9	7	1	...
38 Fescue seed.....	228	4	...	1	...	2	...	1
39 Other grass seeds.....	53	4	1	...	2	1	...	...
40 Pasture.....	7,574	152	13	15	45	38	24	17
Other field crops:								
41 Soybeans.....	155	9	...	4	3	1	1	...
42 Peanuts.....	66	3	1	1	...	...	1	...
43 Cotton.....	328	21	6	8	3	2	1	1
44 Tobacco.....	1,251	123	33	43	37	10	...	...
45 Sugarcane and/or sorghum for sirup.....	50	1	...	...	...	...	1	...
46 Irish potatoes.....	90	8	3	2	2	1	...	...
47 Sweetpotatoes.....	148	19	10	5	3	...	1	...
Vegetables:								
48 Beans, snap (bush and pole types).....	358	30	15	6	2	4	3	...
49 Cabbage.....	95	7	2	2	2	...	1	...
50 Collards.....	78	12	9	1	1	1	...	...
51 Corn, sweet.....	116	11	7	1	2	...	1	...
52 Cucumbers and pickles.....	582	18	4	2	5	2	2	3
53 Lettuce and romaine.....	206	5	1	...	2	...	1	1
54 Peppers.....	38	9	6	1	2	...	...	...
55 Radishes.....	50	1	...	...	...	...	1	...
56 Squash.....	40	11	8	1	2	...	...	...
57 Tomatoes.....	646	28	12	6	6	...	1	3
58 Turnips and turnip greens.....	142	27	20	1	6	...	...	...
59 Watermelons.....	20	6	4	2	...	...	...	...
60 Other vegetables (including "mixed vegetables" and "home gardens")..	369	77	47	20	7	3	...	...
Berries, tree fruits, nuts, and grapes:								
61 Peaches.....	2,754	56	1	5	21	10	8	11
62 Nursery and flower crops.....	252	30	18	2	6	3	...	1
63 All other crops.....	47	12	10	...	1	1	...	...

# IRRIGATION IN HUMID AREAS

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OF IRRIGATION BY STATES: 1954 AND 1955--Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
972	52	25	9	9	6	1	2	7	17	7	5	13	7	14	10	10	7	8	3
82	5	2	...	2	1	...	...	...	3	...	2	1	...	1	...	2	1	1	...
59	4	2	...	...	2	...	...	...	1	3	...	1	1	1	2	1	...	...	...
116	23	16	2	4	1	...	...	5	9	1	2	4	3	5	5	5	4	2	2
451	5	...	...	2	1	1	1	...	3	1	...	...	...	2	2	...	1	...	...
234	8	2	3	1	1	...	1	...	...	...	...	7	2	...	...	1	1	5	1
30	7	3	4	...	...	...	...	2	1	2	1	...	1	5	1	1	...	...	...
21,525	1,896	759	458	484	143	33	19	355	562	505	332	395	374	405	565	370	207	182	167
1,628	127	55	34	27	5	3	3	55	83	33	14	9	30	58	32	16	7	3	11
40	10	6	4	...	...	...	...	4	2	...	1	...	1	8	2	...	...	...	...
1,286	73	17	22	22	8	1	3	18	40	23	15	15	19	22	25	13	4	6	3
3,049	156	44	38	39	22	9	4	38	73	42	50	55	47	30	57	18	20	15	16
58	8	3	4	1	...	...	...	11	3	4	2	...	2	6	1	1	...	...	...
10,620	929	252	264	318	86	9	...	165	223	265	163	159	148	186	287	213	114	64	65
648	23	8	4	3	4	2	2	3	12	7	2	1	3	9	7	3	3	1	...
178	21	15	4	1	...	...	1	1	9	4	6	3	...	7	7	6	...	1	...
13	3	2	1	...	...	...	...	1	2	2	2	1	1	...	...	3	...	...	...
420	43	27	6	6	3	...	1	18	35	21	9	4	22	10	17	8	2	2	4
416	28	13	4	7	1	2	1	5	11	11	5	3	7	8	9	5	1	2	3
66	7	3	1	2	1	...	...	1	2	...	2	2	...	...	1	...	3	1	2
130	19	8	8	2	1	...	...	3	2	5	2	4	5	6	7	1	3	1	1
276	53	29	14	9	1	...	...	2	6	6	6	11	6	3	21	7	10	7	5
259	13	4	4	3	1	...	1	4	4	4	1	...	...	3	4	2	4	...	...
189	34	22	6	5	1	...	...	2	2	5	6	7	5	6	13	5	5	1	4
323	30	21	2	4	1	1	1	...	3	6	6	14	4	4	4	6	3	10	3
48	7	4	...	3	...	...	...	...	1	1	2	4	3	...	3	1	...	3	...
938	212	167	20	18	5	1	1	14	32	51	35	50	39	29	54	54	26	25	24
99	2	...	1	...	...	1	...	2	3	2	...	1	1	...	1	...	...	1	...
1	1	...	...	...	...	...	...	...	2	1	...	3	...	...	1	...	...	...	...
756	85	50	15	13	3	3	1	1	5	8	1	49	28	6	6	7	2	38	26
84	12	8	2	1	...	1	...	7	7	4	1	...	1	4	6	1	...	1	...
16,467	751	259	149	193	77	44	29	119	172	175	110	182	105	161	212	158	73	95	52
2,133	100	22	21	36	11	7	3	29	41	31	11	14	18	36	35	19	3	2	5
1,140	3	...	...	...	...	...	3	...	1	...	1	1	2	...	1	...	...	1	1
30	1	...	...	...	1	...	...	...	...	1	...	...	1	1	...	...	...	...	...
129	3	...	1	...	...	...	1	...	3	1	...	...	...	2	...	...	...	...	...
254	11	2	1	4	3	1	...	2	7	3	5	4	3	1	1	2	1	3	3
28	2	...	1	1	...	...	...	...	2	2	...	...	...	...	2	...	...	...	...
35	3	...	1	2	...	...	...	1	...	2	...	1	...	2	...	...	...	1	...
6,172	98	11	9	27	22	16	13	14	28	33	20	40	17	22	25	20	12	12	7
21	3	1	1	1	...	...	...	2	1	5	1	...	...	2	1	...	...	...	...
6	2	1	1	...	...	...	...	...	1	1	1	...	...	1	...	1	...	...	...
697	31	5	11	7	2	5	1	8	6	3	2	1	1	18	7	4	...	...	...
1,710	130	21	40	51	17	1	...	22	20	25	15	31	10	21	50	38	5	8	8
50	1	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	1	...
136	12	5	4	1	1	1	...	...	2	2	1	1	2	5	5	...	...	...	...
268	23	10	6	3	3	1	...	3	3	7	2	3	1	6	9	3	2	1	2
415	29	10	6	5	6	2	...	3	7	7	7	6	...	3	10	9	6	1	...
234	11	4	1	2	2	2	...	...	3	...	2	1	1	2	3	3	2	...	...
150	15	8	4	2	...	1	...	...	...	2	3	7	...	...	1	6	2	6	...
120	12	8	1	2	...	1	...	3	1	4	1	1	1	3	3	3	1	1	1
448	17	4	2	6	1	2	2	3	5	5	3	2	...	4	5	5	1	2	...
229	7	1	...	4	...	1	1	2	2	1	...	...	...	2	2	2	1	...	...
113	16	8	3	4	1	...	...	...	1	1	4	2	1	3	2	3	5	3	...
...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
68	13	10	...	3	...	...	...	1	2	3	3	2	...	2	3	3	1	2	2
625	36	20	4	7	2	1	2	1	5	5	6	6	5	5	12	7	7	3	2
111	23	15	3	5	...	...	...	1	3	5	5	12	1	2	2	7	6	...	...
69	10	4	3	3	...	...	...	...	3	...	1	1	1	2	5	2	...	...	...
705	94	62	21	6	3	...	2	6	9	19	10	19	14	13	24	16	16	19	6
10	2	1	1	...	...	...	...	16	13	5	1	3	18	...	1	...	...	...	1
290	30	17	3	7	1	1	1	...	...	...	1	21	8	1	2	1	...	21	5
71	13	9	...	3	1	...	...	2	2	2	3	3	...	2	1	4	2	2	2

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

	State and crop	Area irrigated in 1954							
		Total acres	Farms reporting						
			Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
1	Georgia.....	24,664	1,300	424	281	351	131	63	50
2	Corn.....	2,649	130	28	29	47	13	8	5
3	Small grains:								
4	Oats.....	132	4	...	...	3	...	1	...
	Other small grains.....	57	4	...	1	2	1	...	...
	Hay, forage, and seeds:								
5	Hay.....	620	24	3	4	10	3	2	2
6	Bermuda grass seed.....	134	7	...	4	1	1	1	...
7	Pasture.....	7,501	217	21	23	76	45	31	21
	Other field crops:								
8	Soybeans.....	155	2	...	...	...	...	1	1
9	Peanuts.....	117	7	...	...	6	1	...	...
10	Cotton.....	309	24	4	6	10	3	...	1
11	Tobacco.....	4,878	442	139	145	123	29	2	4
12	Irish potatoes.....	64	8	3	2	2	...	1	...
13	Sweetpotatoes.....	395	16	7	3	3	1	...	2
14	Sorghums, except for sirup.....	154	5	1	...	2	1	...	1
	Vegetables:								
15	Beans, snap (bush and pole types).....	379	65	38	15	9	3	...	...
16	Cabbage.....	182	9	4	...	2	1	2	...
17	Cantaloups and muskmelons.....	51	10	5	5	...	...	...	...
18	Collards.....	155	17	5	7	3	2	...	...
19	Corn, sweet.....	188	16	8	3	2	2	1	...
20	Cucumbers and pickles.....	52	11	9	...	2	...	...	...
21	Lettuce and romaine.....	366	4	1	...	1	...	...	2
22	Mustard (greens).....	56	4	1	...	3	...	...	...
23	Onions.....	44	6	2	2	2	...	...	...
24	Peppers.....	113	8	4	...	2	1	1	...
25	Squash.....	64	10	6	2	1	...	...	...
26	Tomatoes.....	876	38	24	4	3	2	3	2
27	Turnips and turnip greens.....	500	36	19	4	6	4	3	...
28	Watermelons.....	75	10	6	1	2	1	...	...
29	Other vegetables (including "mixed vegetables" and "home gardens")..	1,313	90	55	14	11	6	1	3
	Berries, tree fruits, nuts, and grapes:								
30	Apples.....	310	2	...	...	1	...	...	1
31	Peaches.....	640	5	...	...	2	...	2	1
32	Nursery and flower crops.....	2,041	56	24	5	11	9	3	4
33	All other crops.....	94	13	7	2	3	1	...	...
34	Kentucky.....	13,111	1,365	644	315	280	91	28	7
35	Corn.....	3,017	145	30	30	54	18	8	5
36	Small grains.....	140	7	...	1	3	3	...	...
	Hay, forage, and seeds:								
37	Hay and grass silage.....	1,871	120	8	34	59	13	6	...
38	Lespedeza seed.....	53	3	...	2	...	1	...	...
39	Pasture.....	1,670	80	11	14	28	19	7	1
	Other field crops:								
40	Soybeans.....	154	14	6	2	4	1	1	...
41	Tobacco.....	5,097	741	385	206	115	32	3	...
42	Popcorn.....	150	2	...	...	...	1	1	1
43	Irish potatoes.....	56	9	6	2	...	1	...	...
	Vegetables:								
44	Beans, green lima.....	51	2	1	...	...	...	1	...
45	Beans, snap (bush and pole types).....	61	19	16	2	1	...	...	...
46	Tomatoes.....	87	34	27	7	...	...	...	...
47	Other vegetables (including "mixed vegetables" and "home gardens").....	509	146	124	10	9	2	1	...
48	Nursery and flower crops.....	70	11	6	3	1	1	...	...
49	All other crops.....	125	32	24	2	6	...	...	...
50	Tennessee.....	22,591	1,442	671	216	286	153	74	42
51	Corn.....	4,556	166	32	27	44	35	14	14
	Small grains:								
52	Wheat.....	50	1	...	...	...	...	1	...
53	Oats.....	266	9	1	1	4	1	1	1
54	Barley.....	53	3	...	...	2	1	...	...
55	Rice.....	94	1	...	...	...	...	1	...
56	Other small grains.....	313	11	1	...	5	3	2	...
	Hay, forage, and seeds:								
57	Hay.....	1,981	101	13	25	41	12	7	3
58	Grass silage.....	162	8	...	1	5	2	...	...
59	Alfalfa seed.....	422	29	4	10	9	5	1	...
60	Crimson clover seed.....	36	2	...	1	...	1	...	...
61	Ladino clover seed.....	61	3	...	...	1	...	...	...
62	Lespedeza seed.....	206	12	1	5	4	...	2	...
63	Sudan grass seed.....								
64	Other grass seeds (including all other grass seeds, such as "red clover seed").....	89	6	1	1	3	1	...	...

## IRRIGATION IN HUMID AREAS

119.

OF IRRIGATION BY STATES: 1954 AND 1955—Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
25,259	1,350	438	286	375	136	64	51	162	273	237	167	304	157	223	265	253	216	305	88
2,866	122	26	25	42	15	6	8	25	39	25	8	18	15	44	35	21	8	11	3
95	6	2	1	1	2	...	...	4	...	...	...	...	...	3	1	1	...	...	1
47	3	...	...	3	...	...	...	...	1	1	...	1	1	...	2	...	...	1	...
583	17	4	1	5	4	...	3	1	4	8	3	5	3	3	3	1	4	5	1
139	6	...	3	...	2	1	...	1	3	1	...	2	...	1	2	2	...	1	...
5,677	180	18	22	64	41	21	14	25	42	28	30	58	34	29	48	33	14	36	20
19	3	...	2	...	...	1	...	2	...	...	...	...	...	1	1	...	...	1	...
325	21	...	9	...	9	3	...	2	4	1	...	...	...	12	5	2	2	...	...
509	38	9	11	13	3	1	1	8	10	3	1	1	1	23	9	3	1	1	10
5,633	463	131	151	141	29	7	4	59	81	82	71	109	40	42	61	87	109	148	16
139	15	7	3	4	...	1	...	2	3	1	1	1	...	4	5	1	4	1	...
763	27	6	6	9	1	2	3	1	4	5	...	3	3	4	2	9	4	6	...
201	7	2	1	2	...	2	...	...	1	3	1	...	...	3	2	1	1	...	...
409	59	32	12	12	3	...	...	2	14	18	12	14	5	4	9	17	10	17	2
423	18	5	4	4	2	3	...	...	5	2	1	1	...	1	10	2	2	3	...
115	18	10	2	6	...	...	...	1	5	...	2	1	...	1	3	9	3	...	...
241	20	10	3	3	3	1	...	...	4	2	4	4	3	2	3	5	2	3	...
342	21	7	3	6	4	...	1	2	5	3	2	2	2	7	7	4	1	2	...
147	15	9	2	1	1	...	1	1	3	2	1	2	2	4	1	6	3	1	...
365	3	...	...	1	...	...	2	1	2	1	...	...	...	...	1	1	1	...	...
111	5	1	...	3	...	1	...	...	2	...	1	...	1	...	2	1	...	...	...
149	8	5	1	1	...	...	1	1	3	...	...	1	1	1	4	...	...	1	...
92	8	5	...	1	2	...	...	1	1	2	3	1	...	3	2	1	2	...	...
51	9	6	2	...	1	...	...	1	3	2	3	1	...	...	2	3	2	...	...
1,295	58	30	10	8	3	4	3	4	12	12	3	7	...	6	12	14	15	7	...
538	36	15	2	10	6	3	...	2	5	11	7	7	4	3	6	15	4	5	...
181	14	7	2	2	2	1	...	1	2	2	3	...	2	4	4	5	...	...	...
1,491	83	57	4	13	4	1	4	7	10	15	7	35	16	11	11	8	20	29	4
...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...
2,263	57	27	3	8	8	4	7	2	2	5	2	26	19	3	4	6	4	25	15
50	10	7	1	2	...	...	...	2	2	2	1	3	3	2	2	1	2	1	...
6,319	814	467	154	140	35	16	2	441	351	253	107	94	119	333	216	118	42	64	41
1,197	70	11	16	28	11	3	1	78	40	8	4	2	13	44	20	1	...	1	4
94	5	1	1	2	...	1	...	5	1	...	...	...	1	5	...	...	...	...	...
899	57	6	17	25	5	4	...	49	43	14	6	2	6	27	15	5	6	1	3
67	3	...	1	1	1	...	...	3	...	...	...	...	...	3	...	...	...	...	...
844	40	5	6	17	7	4	1	26	22	14	8	4	6	25	6	5	1	3	...
50	6	3	...	3	...	...	...	5	4	4	1	...	...	5	...	1	...	...	...
2,191	383	240	90	44	6	3	...	239	188	160	59	27	68	168	109	62	20	7	17
117	4	...	1	1	1	1	...	2	...	...	...	...	...	4	...	...	...	...	...
60	9	7	...	1	1	...	...	2	3	2	1	...	1	4	4	...	...	...	...
42	3	2	...	...	1	...	...	...	...	...	...	2	...	2	...	...	...	1	...
70	20	15	4	1	...	...	...	1	4	3	4	6	1	2	5	4	2	5	...
73	28	25	3	...	...	...	...	3	5	13	4	8	1	5	8	7	2	5	...
423	142	120	10	11	1	...	...	21	31	26	17	38	13	29	35	27	8	35	8
75	13	8	3	1	1	...	...	...	1	...	2	4	4	1	1	2	...	5	4
117	31	24	2	5	...	...	...	7	9	9	1	1	5	9	13	4	3	1	1
16,751	1,205	589	189	232	116	48	31	325	404	301	167	158	87	302	342	241	138	108	74
2,384	126	38	24	37	16	5	6	62	43	28	17	7	9	54	41	16	8	3	4
...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
286	5	...	1	2	...	1	1	4	2	1	...	...	2	3	1	1	...	...	...
10	1	...	...	1	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
336	12	1	3	2	2	4	...	5	5	...	...	...	1	8	2	1	...	1	...
1,529	95	20	24	30	15	5	1	29	33	15	16	4	4	27	27	20	13	4	4
93	8	2	2	3	1	...	...	1	3	...	...	1	3	6	1	...	...	...	...
438	35	7	10	12	4	2	...	4	9	5	6	2	3	8	10	8	5	2	...
51	3	...	1	1	1	...	...	1	1	...	...	...	...	1	1	1	...	...	...
80	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...
23	2	...	1	1	...	...	...	1	2	...	...	...	...	2	...	...	...	...	...
69	8	1	3	4	...	...	...	2	4	1	...	2	3	4	1	1	1	...	...
62	5	...	3	1	1	...	...	2	4	...	...	...	...	2	2	...	...	...	1

## IRRIGATION IN HUMID AREAS

Table 16.—ACRES OF IRRIGATED CROPS AND FREQUENCY

State and crop		Area irrigated in 1954							
		Total acres	Farms reporting						
			Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres
Tennessee—Continued									
1	Pasture.....	6,395	225	20	26	84	59	26	10
Other field crops:									
2	Soybeans.....	571	17	...	5	5	3	3	1
3	Cotton.....	383	21	8	2	3	7	1	...
4	Tobacco.....	1,464	447	370	56	18	2	1	...
5	Irish potatoes.....	162	7	3	2	1	...	...	1
6	Sweetpotatoes.....	131	19	11	4	3	1	...	...
7	Sorghums, except for sirup.....	27	5	2	3	...	...	...	...
Vegetables:									
8	Beans, green lima.....	502	9	3	...	...	...	4	2
9	Beans, snap (bush and pole types).....	862	48	24	5	11	4	2	2
10	Broccoli.....	131	3	1	...	2	...	...	...
11	Cabbage.....	191	16	6	2	7	...	1	...
12	Corn, sweet.....	131	10	4	2	3	...	1	...
13	Kale.....	20	1	...	...	1	...	...	...
14	Mustard (greens).....	90	5	1	1	1	2	...	...
15	Okra.....	86	5	2	...	1	2	...	...
16	Spinach.....	197	8	2	1	2	1	2	...
17	Tomatoes.....	53	26	22	4	...	...	...	...
18	Turnips and turnip greens.....	1,054	23	6	2	5	5	2	3
19	Other vegetables (including "mixed vegetables" and "home gardens").....	587	133	104	16	10	1	1	1
Berries, tree fruits, nuts, and grapes:									
20	Strawberries.....	217	28	15	5	6	2	...	...
21	Apples.....	194	3	...	1	...	1	...	...
22	Other fruits (other berries, other tree fruits, and grapes).....	206	5	...	1	2	1	...	1
23	Nursery and flower crops.....	630	21	10	6	2	...	1	2
24	All other crops.....	18	5	4	...	1	...	...	...
25	Alabama.....	15,351	558	166	71	151	66	68	36
26	Corn.....	2,229	74	4	13	32	11	8	6
Small grains:									
27	Oats.....	410	8	...	...	2	3	1	2
28	Millet.....	201	3	...	...	1	1	...	1
Hay, forage, and seeds:									
29	Hay.....	1,213	38	4	6	12	8	6	2
30	Fescue seed.....	703	4	...	1	...	1	1	1
31	Pasture.....	5,489	110	8	7	28	25	29	13
Other field crops:									
32	Soybeans.....	125	6	...	2	2	1	1	...
33	Cotton.....	1,361	32	2	4	11	4	7	4
34	Irish potatoes.....	419	11	2	1	3	1	3	1
Vegetables:									
35	Beans, snap (bush and pole types).....	172	16	12	...	2	1	...	1
36	Broccoli.....	50	1	...	...	...	...	1	...
37	Cabbage.....	206	9	3	2	2	...	1	...
38	Collards.....	87	16	9	4	3	...	...	...
39	Corn, sweet.....	256	9	5	1	...	1	1	1
40	Cucumbers and pickles.....	146	14	5	2	6	1	...	...
41	Peppers.....	55	5	2	2	...	1	...	...
42	Tomatoes.....	53	13	11	...	2	...	...	...
43	Turnips and turnip greens.....	192	32	22	4	5	...	1	...
44	Other vegetables (including "mixed vegetables" and "home gardens").....	503	83	50	15	14	4	...	...
Berries, tree fruits, nuts, and grapes:									
45	Strawberries.....	130	2	...	...	...	...	2	...
46	Nursery and flower crops.....	1,220	53	18	5	18	3	6	3
47	All other crops.....	131	19	9	2	8	...	...	...
48	Mississippi.....	133,685	1,503	290	156	296	198	155	408
49	Corn.....	7,156	241	46	46	70	33	26	20
Small grains:									
50	Oats.....	79	6	...	3	2	1	...	...
51	Rice.....	68,540	210	...	...	3	7	12	188
Hay, forage, and seeds:									
52	Hay.....	316	16	...	4	8	2	2	...
53	Grass silage.....	50	1	...	...	...	...	1	...
54	Pasture.....	8,373	166	13	15	43	39	26	30
Other field crops:									
55	Soybeans.....	6,809	108	8	7	29	27	10	27
56	Cotton.....	40,163	452	12	49	98	80	72	141
57	Sweetpotatoes.....	58	14	9	3	2	...	...	...
58	Sorghums, except for sirup.....	487	20	5	2	7	3	2	1
Vegetables:									
59	Beans, snap (bush and pole types).....	271	40	24	4	10	2	...	...
60	Cabbage.....	218	22	6	5	10	1	...	...
61	Peppers.....	151	20	13	3	3	...	1	...
62	Spinach.....	60	1	...	...	...	...	1	...
63	Turnips and turnip greens.....	94	25	20	3	1	1	...	...
64	Other vegetables (including "mixed vegetables" and "home gardens").....	348	120	102	10	7	1	...	...
Berries, tree fruits, nuts, and grapes:									
65	Pecans.....	240	1	...	...	...	...	...	1
66	Nursery and flower crops.....	220	25	19	1	3	...	2	...
67	All other crops.....	52	15	13	1	...	1	...	...

# IRRIGATION IN HUMID AREAS

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## OF IRRIGATION BY STATES: 1954 AND 1955--Continued

Area irrigated in 1955								Farms reporting specified number of times irrigated											
Total acres	Farms reporting							1954						1955					
	Total number	Under 5 acres	5 to 9 acres	10 to 24 acres	25 to 49 acres	50 to 99 acres	100 or more acres	1	2	3	4	5 or more	Not reported	1	2	3	4	5 or more	Not reported
4,476	170	19	24	62	40	18	7	35	60	44	29	45	12	36	50	32	11	27	14
462	9	...	2	1	4	...	2	6	7	1	1	1	1	4	4	1	...	...	2
394	13	4	4	1	2	1	1	6	6	4	3	1	1	4	4	1	2	...	3
1,070	339	277	42	17	3	...	...	131	124	100	44	22	26	87	103	70	44	14	21
80	7	3	2	1	...	1	...	1	2	3	1	...	...	4	2	...	1	...	5
76	12	7	2	2	1	...	...	7	2	7	1	1	1	4	3	3	2	...	6
98	10	3	4	2	1	...	...	...	3	1	1	...	...	6	3	1	...	...	7
344	6	2	...	...	2	...	2	1	4	...	3	1	...	3	1	1	...	...	8
808	38	17	3	3	3	3	3	4	13	16	7	5	3	3	13	10	7	4	9
176	3	1	...	1	...	...	1	...	...	...	...	3	...	...	...	...	3	...	10
327	18	6	4	3	3	1	1	...	2	6	...	2	...	...	...	...	...	1	11
168	9	5	...	2	1	...	1	2	3	2	1	1	1	2	3	2	1	1	12
60	2	...	...	1	1	...	...	...	1	...	...	...	...	...	1	1	...	...	13
99	5	1	1	1	2	...	...	...	4	1	...	...	...	1	4	...	...	...	14
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
194	8	...	...	2	1	2	...	...	6	...	...	...	...	2	4	1	...	1	16
71	22	18	2	2	...	...	...	...	10	4	4	7	...	4	6	5	3	2	17
1,152	28	10	1	7	5	2	3	1	6	11	1	3	1	5	6	7	2	5	18
534	136	109	13	11	2	1	...	5	30	37	24	28	9	13	30	38	29	21	19
359	36	17	6	8	5	...	...	5	6	4	5	8	...	3	7	13	5	6	20
150	1	...	...	...	...	...	1	...	1	...	...	2	...	...	...	...	...	1	21
29	3	1	...	2	...	...	...	1	...	2	1	1	...	...	2	1	...	...	22
229	22	12	6	2	...	1	1	...	1	6	1	10	3	1	3	1	...	12	23
14	6	5	1	...	...	...	...	1	3	1	...	...	...	...	5	...	...	...	24
12,598	517	174	72	119	64	60	28	60	85	89	60	150	114	81	90	100	47	112	25
1,665	47	2	8	16	12	3	6	14	22	15	6	4	13	18	9	12	1	2	26
324	6	...	...	2	1	1	2	4	1	2	...	1	...	1	3	1	...	...	27
155	2	...	...	...	...	2	...	...	2	1	...	...	...	...	2	...	...	...	28
1,218	29	4	4	7	4	7	3	6	9	9	6	5	3	8	7	6	1	5	29
62	1	...	...	...	...	1	...	1	2	1	...	...	...	1	...	...	...	...	30
3,227	77	7	4	18	23	19	6	7	16	18	18	25	26	12	17	12	5	14	31
54	4	...	1	3	...	...	...	1	2	...	2	...	1	1	1	...	1	1	32
1,505	37	1	9	12	3	8	4	7	4	8	1	5	7	12	7	10	3	1	33
579	14	2	4	2	1	2	3	1	1	2	2	...	5	3	5	1	...	...	34
136	17	13	...	3	...	1	...	1	...	4	2	9	...	2	3	4	3	5	35
110	2	...	...	...	...	2	...	...	...	1	...	...	...	1	...	...	...	1	36
86	7	3	1	1	2	...	...	2	2	...	1	2	2	1	4	...	...	...	37
102	16	9	3	3	1	...	...	1	2	...	...	10	3	1	4	2	...	7	38
132	5	3	...	1	...	...	1	1	2	4	1	...	...	...	2	1	1	...	39
139	18	7	6	4	1	...	...	...	2	1	2	6	3	...	1	6	5	3	40
106	10	5	3	1	...	1	...	1	1	...	1	2	...	...	3	3	1	3	41
47	15	14	...	...	1	...	...	1	1	1	...	5	...	3	1	6	1	3	42
167	33	25	2	5	1	...	...	5	4	4	4	13	2	1	5	9	2	13	43
807	87	52	15	14	5	...	1	...	9	13	9	31	21	4	7	16	13	23	44
135	3	...	...	1	...	2	...	...	...	...	...	2	...	...	...	...	3	...	45
1,307	56	18	5	17	6	8	2	1	2	4	2	26	18	1	...	7	4	29	46
535	31	9	7	9	3	3	...	6	1	2	2	3	5	11	9	2	3	2	47
101,205	1,151	223	119	191	132	120	366	258	382	232	121	167	343	366	278	133	56	120	48
6,460	158	19	29	46	26	15	23	43	83	46	18	15	36	73	39	22	7	6	49
172	8	1	2	2	2	1	...	2	2	...	...	...	2	5	1	2	...	...	50
43,517	186	...	...	7	6	15	158	5	10	6	3	49	137	6	10	5	2	45	51
334	15	2	3	6	2	2	...	5	4	2	...	2	3	9	3	1	...	...	52
...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	53
5,492	103	12	10	24	20	15	22	34	47	21	12	24	28	40	20	11	5	13	54
10,306	111	3	2	25	23	21	37	44	38	12	1	1	12	60	39	5	1	...	55
32,853	290	8	19	50	43	47	123	94	138	93	30	27	70	128	82	45	10	6	56
66	14	9	3	2	...	...	...	...	3	3	3	1	4	3	7	2	...	2	57
250	4	1	...	1	...	...	2	4	9	1	2	2	2	1	2	1	...	...	58
277	33	16	9	6	1	1	...	4	6	10	12	4	4	2	17	5	6	1	59
369	35	10	13	8	3	1	...	3	9	7	...	3	...	4	17	8	1	4	60
159	31	23	4	3	...	1	...	...	2	6	6	3	3	6	6	5	7	5	61
35	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	62
83	16	12	2	...	2	...	...	5	4	1	6	4	5	4	5	...	...	6	63
379	109	81	17	9	2	...	...	9	19	20	24	20	28	18	24	17	14	19	64
240	1	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	1	65
180	24	17	3	2	1	1	...	1	4	1	2	11	6	3	4	1	...	10	66
33	12	9	3	...	...	...	...	5	2	3	2	...	3	3	2	2	3	2	67