Appendix C.
Statistical Methodology

MAIL LIST MODEL

Classification analysis was performed to predict the probability that an addressee on the 1992 mail list operated a farm, and thereby separated the preliminary mail list into probable farm and probable nonfarm classes. The analysis was used to reduce the preliminary census mail list of 3.78 million records to a final mail list size of 3.55 million records. All 3.55 million addresses on the final mail list received a census of agriculture report form.

Records from the 1987 final census mail list were used to build a 1992 prediction model for the 1992 analysis. Classification and Regression Trees (CART) software analyzed characteristics of known 1987 farm and nonfarm operations to determine which were most useful in predicting farm and nonfarm classes. Record characteristics such as the source of the mail list record, number of source lists on which the record appeared, expected value of agricultural sales, and geographic location were used to separate mail list records into model groups. (Sources included the previous agriculture census mail list, the Internal Revenue Service administrative records, U.S. Department of Agriculture, and special commodity lists.) The proportion of 1987 census farm records in each model group was calculated to provide an estimate of the probability that an addressee in the group operated a farm.

After the model groups were defined, each address record on the 1992 preliminary mail list was assigned to a model group by matching record characteristics to model group characteristics. Records belonging to the groups with the highest farm probability were those more likely to be farms according to the classification tree methodology. The model, followed by analyst reviews, was used to remove 229,700 records from the preliminary mail list (those in model groups with the lowest farm probability), and thereby designated the 3.55 million records with the highest farm probability to receive the census report form. This procedure was used to obtain a more complete census enumeration of farm operations without excessive respondent burden and data collection cost.

CENSUS SAMPLE DESIGN

Each of the 3.55 million name and address records on the census mail list was designated to receive one of three different types of census report forms. The three forms were the nonsample form, the screener form, and the sample form. Sections 1 through 20 and 27 through 32 of the sample form are identical to sections on the nonsample form. The sample form, sections 21 through 26, contains additional questions on usage of fertilizers and chemicals, farm production expenditures, value of machinery and equipment, value of land and buildings, and farm-related income. The screener form is identical to the nonsample form with questions added in section 1 to allow quick identification of nonfarm addresses. These three different forms were used to reduce the response burden of the census, while providing reliable information on a large number of data items.

The sample form was mailed to all mail list records in Alaska, Hawaii, and Rhode Island, and to a sample of records in other States selected from the final mail list. Addresses were selected into the sample with certainty (1) if they were expected to have large total value of agricultural products sold or large acreage, (2) if they were multiunit operations (i.e., separate farms in more than one location), (3) if they had other special characteristics, or (4) if they were in a county with less than 100 farms in 1987. Other addresses in counties containing 100 to 199 farms in 1987 were systematically sampled at a rate of 1 in 2, and other addresses in counties containing 200 farms or more in 1987 were systematically sampled at a rate of 1 in 6. This differential sampling scheme was used to provide reliable data for the sample sections of the report form for all counties. When a nonsample large farm was identified during processing, a supplemental form that contained the additional sample data inquiries was mailed.

To determine which mail list records would receive the screener form, all mail list records not designated for the sample were sorted by model group farm probability as specified by the mail list model. The 412,000 mail list records in the model groups with the lowest probability of being farms and with an expected total value of agricultural product sales less than $25,000 were designated to receive the screener report form. The remaining mail list records received the nonsample report form.

CENSUS ESTIMATION

The 1992 Census of Agriculture used two types of statistical estimation procedures. These estimation procedures accounted for nonresponse to the data collection and for the sample data collection. These procedures are necessary because some farm operators never respond to

the census despite numerous attempts to contact them, and the estimates for the sample data are based on a sample of farm operators rather than a full enumeration.

Whole Farm Nonresponse Estimation

A statistical estimation procedure was used to account for nonrespondent farm operators to the census. We excluded large and unique farm operations that received intensive telephone followup during census processing, assuming complete response from them. A stratified systematic sample of remaining census nonrespondents were contacted by enumerators using a computer-assisted telephone interview system. Five sample strata were defined based on expected value of sales, previous census status, and whether the record was identified by the mail list model to receive the screener report form. The nonresponse survey telephone interview was designed to provide sufficient information to determine the farm status of each record.

In situations where the nonresponse survey case could not be contacted, the contact person refused to cooperate, or when no phone number could be obtained, a screener report form was sent by certified mail.

Estimates of the proportion of census nonrespondents that operated farms were made for each stratum in the State using survey results and applied to the total number of census nonrespondents in that stratum. The number of census nonrespondents that operated farms for each county by stratum was then derived. This estimation procedure is based on the assumption that the distribution of farms in a stratum by county is the same for census nonrespondents as for census respondents.

Certain census respondent farms which exhibited "rare" commodities were designated as "ineligible" to represent census nonrespondent farms and were excluded from the nonresponse weighting operation. The procedure explained below was performed with only the eligible respondent cases: Within each stratum in a county, a noninteger nonresponse weight was calculated and assigned to each eligible respondent farm record. The noninteger nonresponse weight is the ratio of the sum of the estimated number of nonrespondent farms from the nonresponse survey and the number of eligible census respondent farms to the number of eligible census respondent farms. Stratum controls were established to ensure that this weight was never greater than 2.0. The noninteger nonresponse weight was used in the calculation of the final weight for the sample items. The noninteger nonresponse weight was randomly rounded to an integer weight of either 1 or 2 for each record for tabulating the complete count items for publication.

Table A quantifies the effect of the nonresponse estimation procedure on selected census data items. The percentages in these tables are the percents of the census values contributed by nonresponse estimation. These indicate the potential for bias in published figures resulting from nonresponse to the census. The estimates provided in these tables do not reflect the effect of item nonresponse to individual census data items. The effect of item nonresponse is discussed in the Census Nonsampling Error section.

Table A. **Percent of State Totals Contributed by Whole Farm Nonresponse Estimation: 1992**

Item	Percent of total
Farms _____ number _ _	10.6
Land in farms _____ acres _ _	.9
Estimated market value of land and buildings[1] _____ $1,000 _ _	2.0
Market value of agricultural products sold _ $1,000 _ _	1.8
Harvested cropland _____ acres _ _	3.2
Corn for grain or seed _____ acres _ _	2.6
Wheat for grain _____ acres _ _	1.8
Livestock and poultry inventory:	
Cattle and calves _____ number _ _	2.3
Hogs and pigs _____ number _ _	4.1
Hens and pullets of laying age _____ number _ _	30.8

[1]Data are based on a sample of farms.

Sample Estimation

Sample data estimates the population totals that would have resulted from a complete census for the items in sections 21 through 26 of the sample report form. The estimates were obtained from a ratio estimation procedure that resulted in the assignment of a weight to each respondent record containing sample items. For any given county, a sample item total was estimated by multiplying the data items for each farm in the county by the corresponding sample weight and summing over all sample records in the county.

Each respondent sample farm was assigned a sample weight for use in producing estimates for all sample items. For example, if the weight given to a sample farm had the value 6, all sample data items reported by that farm would be multiplied by 6. The weight assigned to a sample certainty farm was 1.

Other than certainty farms, within a county, the ratio estimation procedure for farms was performed in three steps using three variables. The first variable contained eight 1992 total value of agricultural production (TVP) groups. Both the second and third variables, Standard Industrial Classification (SIC) code and farm acreage, contained two groups. The three sets of groups were as follows:

TVP	SIC	Acres
$1 to $999	01 All crops	1 to 69
$1,000 to $2,499	02 All livestock	70 or more
$2,500 to $4,999		
$5,000 to $9,999		
$10,000 to $24,999		
$25,000 to $49,999		
$50,000 to $99,999		
$100,000 or more		

The first step in the estimation procedure was to classify the sample records into 32 mutually exclusive initial post strata formed by the three sets of groups. The total and sample farm counts were expanded to account for nonresponse. Each cell containing sample farm records was assigned an initial sample weight equal to the ratio of the total farm count to the sample farm count. This weight was approximately equal to the inverse of the probability of selecting a farm for the census sample.

The second step in the estimation procedure was to combine, if necessary, the 32 initial post strata to increase the reliability of the ratio estimation procedure. Any stratum that contained less than 10 sample farms after nonresponse adjustment or had a weight greater than two times the mail sample rate was collapsed with another stratum. The mail sample rate was either 2 or 6, depending on whether the county had a 1 in 2 or 1 in 6 sample selection rate. The collapsing occurred within the initial 32 post strata according to a specified collapsing pattern. After the collapsing process was completed, new total farm counts and sample farm counts were computed from each of the final post strata and were used to calculate final sample weights.

The final step consisted of assigning the noninteger final post stratum weight to the sample farm records in each post stratum. The weight is the ratio of total farm count to sample farm count in each final post stratum. The noninteger sample weight, the product of the noninteger final post stratum weight and the nonresponse weight, was randomly rounded to an integer weight for tabulation. If, for example, the final weight for the farms in a particular post stratum was 7.2, then 0.2 or one-fifth of the sample farms in this post stratum were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

CENSUS SAMPLING ERROR

The sample for the 1992 Census of Agriculture is only one of a large number of possible samples of the same size that could have been selected using the same sample design. Sample refers to the sample for both the nonresponse survey and the selection of farms to receive the sample report forms. Estimates derived from all the possible samples would differ from each other only by random variation.

The standard error or sampling error of a survey estimate is a measure of the variation among the estimates from all possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The percent relative standard error of an estimate is defined as 100 times the standard error of the estimate divided by the value of the estimate.

If all possible samples were selected, each of the samples were surveyed under essentially the same conditions, and an estimate and its standard error were calculated from each sample, then:

1. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average value of all possible samples.

2. Approximately 95 percent of the intervals from 1.96 standard errors below the estimate to 1.96 standard errors above the estimate would include the average value of all possible samples.

The following example illustrates the computations necessary for producing a confidence interval for an estimate. Assume that the estimate of number of farms for a State is 94,382 and the relative standard error of the estimate is .1 percent (0.001). Multiplying 94,382 by 0.001 yields 94, the standard error; therefore, a 90-percent confidence interval is 94,227 to 94,537 (i.e., 94,382 plus or minus 1.65 x 94). If corresponding confidence intervals were constructed for all possible samples of the same size and design, approximately 90 percent of these intervals would contain the figure obtained from a complete enumeration. Similarly, a 95-percent confidence interval is 94,198 to 94,566 (i.e., 94,382 plus or minus 1.96 x 94).

Census items were classified as either complete count or sample count items. Complete count items were asked of all farm operators. Examples of complete count items were land in farms, harvested cropland, livestock inventory and sales, crop acreage, quantities harvested and crop sales, land use, irrigation, government loans and payments, conservation acreage, type of organization, and operator characteristics.

Sample count items were asked only of a sample of farm operators. These items appeared only in sections 21 through 26 of the sample report form. Sample count items were included under the following section headings: commercial fertilizers, chemicals, production expenses, farm machinery and equipment, value of land and buildings, and farm-related income.

Variability, measured as percent relative standard error, in the estimates of complete count items is due only to the nonresponse survey estimation procedure. Variability in the estimates of sample count items is due to both the nonresponse survey estimation procedure and the census sample selection and estimation procedure. Thus, variability in the sample count item estimates tends to be larger than the variability in the complete count item estimates.

Table B provides the generalized reliability estimates of the estimated number of farms in a county reporting complete count and sample count items. The top half of the table shows the percent relative standard error for estimated number of farms in a county reporting a complete count item and the bottom half a sample count item. These are derived from regression equations. Separate regression equations were used for complete count items and sample count items. Each regression equation was fit with the estimated number of farms in a county reporting an item as the independent variable and the relative variance of that estimate as the dependent variable for all counties in the State. For sample count items, only data

from counties sampled at a rate of 1 in 6 are used in the estimation of the regression equation.

Table B. **Reliability Estimates for Number of Farms in a County Reporting a Complete Count Item or Sample Count Item: 1992**

Farms	Relative standard error of estimate (percent)
COMPLETE COUNT ITEM	
Number of farms reporting:	
25	5.4
50	3.2
75	1.9
100	.5
150	.4
200	.4
300	.3
500	.2
750	.2
1,000	.2
1,500	(X)
2,000	(X)
SAMPLE COUNT ITEM	
Number of farms reporting:	
25	19.5
50	15.9
75	14.5
100	13.8
150	13.0
200	12.6
300	12.2
500	11.8
750	11.6
1,000	11.5
1,500	(X)
2,000	(X)

To illustrate the use of this table, assume that the estimate of the number of farms reporting hogs and pigs for a particular county, as given in county table 15, is 89. Since hogs and pigs is a complete count data item, refer to the first part of table B and use the estimated percent relative standard error of the estimate from the row with farm count equal to or just less than the estimated number of farms, 89. For this example, the percent relative standard error of the estimate comes from the row for 75 farms reporting. For sample count items, follow the same procedure using the second part of table B. For counties with fewer than 100 farms in the 1987 Census of Agriculture, variability in sample count item estimates comes only from nonresponse survey estimation procedures; thus, the estimated relative standard error for a sample count item in these counties may be obtained using the first part of table B.

Table C presents the percent relative standard error of selected State data items for all farms, and table D presents the percent relative standard error of selected State data items for all farms with sales of $10,000 or more.

Table E presents the percent standard error for percent change in State totals from 1987 to 1992. The general purpose of the percent change estimate is to provide a relative measure of the difference in a characteristic between censuses. The relative change for a given characteristic is defined as the ratio of the difference of the 1992 and the 1987 estimate for that characteristic to the 1987 estimate. This ratio is multiplied by 100 to obtain the percent change. The percent standard error of a percent change estimate, then, is the standard error of the ratio multiplied by 100.

Table F presents the percent relative standard error for State and county totals for selected data items. The percent relative standard error of the estimate for the same item differs among counties in the State. Reasons for this are differences among counties in (1) the total number of farms, (2) the number of large farms included with certainty, (3) the size classifications of the farms sampled, (4) the amount of nonresponse, (5) the general agricultural characteristics, and (6) the specific characteristic being measured.

CENSUS NONSAMPLING ERROR

The accuracy of the census counts are affected jointly by sampling errors, described in the previous section, and nonsampling errors. Extensive efforts were made to compile a complete and accurate mail list for the census, to design an understandable report form with instructions, and to minimize processing errors through the use of quality control measures on specific operations. Nonsampling errors arise from incompleteness of the census mail list, duplication in the mail list, incorrect data reporting, errors in editing of reported data, and errors in imputation for missing data. These specific nonsampling errors are further discussed in this section. Evaluation studies will be conducted to measure the extent of certain nonsampling errors such as coverage error and classification error.

Census Coverage

The main objective of the census of agriculture is to obtain a complete and accurate enumeration of U.S. farms with accurate data on all aspects of the agricultural operation. However, the high cost and availability of resources for enumeration place restrictions on feasible data collection methodologies. The past six agriculture censuses have been conducted by mail enumeration with telephone contact for selected nonrespondents. The completeness of such an enumeration thus depends to a large extent on the coverage of farm operations by the census mail list.

The past five censuses of agriculture have included approximately 91 percent of farms in the United States and approximately 96 percent of agriculture production. Complete enumeration of agricultural operations satisfying the farm definition of $1,000 or more in agricultural sales is complicated by fluctuations in agricultural operations qualifying for enumeration, the variety of arrangements under which farms are operated, the multiplicity of names used

by an operation, the number of operations in which an operator participates, the accuracy of data reporting, and other factors. A new mail list is compiled for each census because no current single list of agricultural operations is comprehensive.

An evaluation of census coverage has been conducted for each census of agriculture since 1945. The evaluation provides estimates of the completeness of census farm count and major census data items. In addition, the evaluation helps to identify problems in the census enumeration and provide information that can form the basis for improvements. The results of the 1992 Coverage Evaluation program will be published in volume 2, Subject Series (Part 2): Coverage Evaluation.

The evaluation of coverage for the 1992 census was designed to measure four components of error in the census mail list and in farm classification. Mail list error includes two components of error, a measurement of farms not on the census mail list (undercount) and a measurement of farms enumerated more than once in the census (overcount). Classification error includes two components of error, a measurement of farms classified as nonfarms in the census (undercount) and of nonfarms classified as farms in the census (overcount). Classification error arises from reporting and processing errors. Mail list undercount dominates all coverage errors. Net coverage error is defined as the difference between under-counted and overcounted farms. Measurements of these errors, as well as a description of the complete coverage program, will be available in the Coverage Evaluation report.

Mail List Coverage

A major problem with mail enumeration for the census of agriculture is the difficulty encountered in compiling a complete mail list. The percentage of farms included on the census mail list varies considerably by State. Several reasons have contributed to farm operator names not being included on the census mail list—the operation may have been started after the mail list was developed, the operation may be so small as not to appear in any of the agriculture-related source lists used in compiling the census list, or the operation may have been falsely classified as a nonfarm prior to mailout. A large proportion of the farms not included on the mail list are small in both acres and sales of agricultural products.

The 1992 Census of Agriculture Coverage Evaluation used the area segment sample of the 1992 June Agricultural Survey (JAS) of the National Agricultural Statistical Service (NASS) to estimate farms not on the census mail list. The Census Bureau contracted with NASS to augment the JAS data collection. The survey data collected by NASS will be protected under the confidentiality of title 13, U.S. Code. These JAS survey records were matched to the census mail list. Records that did not match were mailed a census of agriculture report form to estimate mail list coverage. Estimates of farms not on the census mail list are computed using a capture-recapture dual frame esti-mator which will be described in the Coverage Evaluation report mentioned earlier.

Table G provides coverage evaluation estimates for one component of coverage error associated with the census of agriculture; that is, the error due to farms not on the census mail list. Also provided are estimates of selected characteristics of farms not on the mail list, estimates of characteristics of farms not on the mail list as a percentage of total farms in the State, and the percent relative standard error associated with each estimate. The esti-mate of total farms in the State is based on census farm count plus the estimated number of farms not on the census mail list. This estimate of total farms in the State was not adjusted for the components of error associated with classification and list duplication error. Estimates of these errors will be made at the regional, rather than the State level, and will be provided in the Coverage Evaluation report mentioned earlier.

Respondent and Enumerator Error

Incorrect or incomplete responses to the mailed census report form or to the questions posed by a telephone enumerator introduce error into the census data. Such incorrect information can lead, in some cases, to incorrect classification of farms. This type of reporting error is measured by the Classification Error Survey discussed later in this section. To reduce all types of reporting error, detailed instructions for completing the report form were provided to each addressee. Questions were phrased as clearly as possible based on tests of the census report form and each respondent's answers were checked for completeness and consistency.

Item Nonresponse

As information flows from data collection to tabulation, various types of item nonresponses are identified on the report forms. Nonresponse to particular questions on the report form that logically should be present may create a type of nonsampling error in both complete count and sample count data. When information from reporting farms is used to edit or impute for item nonresponse, the data may be biased due to characteristics of the nonreporting respondents differing from those reporting the item. Any attempt to correct the data items may not completely reflect this difference either at the element level (individual farm operation) or on the average.

Processing Error

All phases of processing for each report form are sources for the introduction of nonsampling error. The processing of the report forms includes clerical screening for farm activity, computerized check-in of report forms and follow-up of nonrespondents, keying and transmittal of

completed report forms, computerized editing of inconsistent and missing data, review and correction of individual records referred from the computer edit, review and correction of tabulated data, and electronic data processing. These operations undergo a number of quality control checks to ensure as accurate an application as possible, yet some errors are not detected and corrected.

Classification Error

An evaluation study of classification errors was conducted in the 1992 Census of Agriculture as part of the census coverage evaluation program. A sample of census mail list respondents was selected, and these addresses were reenumerated to determine whether they were a farm or nonfarm. A farm status determination was made based on the evaluation report form and compared with the census farm status which was based on the data reported on the report form. Differences in status were reconciled.

In past censuses, the proportion of farms undercounted due to classification errors was higher for farms with small values of sales. For the 1987 census, the classification error rate was higher for (1) farms with small values of sales, (2) farms with a small number of acres, (3) full-owner farms than part-owner or tenant farms, (4) operators with principal occupation other than farming, and (5) males than females. Results from the 1992 Classification Error Survey will be published in the Coverage Evaluation report.

EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

The Census of Agriculture Complex Edit and Imputation System performs the following functions:

- Ensuring reasonable relationships between/among data items, values for various sizes of farms, and combinations of commodities.

- Ensuring necessary consistencies are present. There are more than 70 distinct consistency requirements.

- Ensuring geographic, legal, and physical constraints are met.

The system must perform these and similar functions for 900 data keycodes for sample records and 850 data keycodes for nonsample records.

For the 1992 Census of Agriculture, as in previous censuses, all reported data were keyed and then edited by computer. The edits were used to determine whether the reports met the minimum criteria to be counted as farms in the census. The complex edit and imputation system provided the basis for deciding to accept, impute (supply), delete, or alter the reported value for each data record item.

Whenever possible, edit imputations, deletions, and changes were based on component or related data on the respondent's report form. For some items, such as operator characteristics, data from the previous census were used when available. Values for other missing or unacceptable reported data items were calculated based on reported quantities and known price parameters.

When these and similar methods were not available and values had to be supplied, the imputation process used information reported for another farm operation in a geographically adjacent area with characteristics similar to those of the farm operation with incomplete data. For example, a farm operation that reported acres of corn harvested, but did not report quantity of corn harvested, was assigned the same bushels of corn per acre harvested as that of the last nearby farm with similar characteristics that reported acceptable yields during that particular execution of the computer edit. The imputation for missing items in each section of the report form was conducted separately; thus, assigned values for one operation could come from more than one respondent.

Prior to the imputation operation, a set of default values and relationships were assigned to the possible imputation variables. The relationships and values varied depending on the item being imputed. For example, different default values were assigned for several standard industrial classification and total value of sales categories when imputing hired farm labor expenses. These values and item relationships for the possible imputation variables were stored in the computer in a series of matrices.

Each execution of the computer edit consisted of records from only one State. The computer records were sorted by reported State and county. For a given execution of the edit, the stored entries in the various matrices were retained in memory only until a succeeding record having acceptable characteristics for some sections of the report form was processed by the computer. Then the acceptable responses of the succeeding operation replaced those previously stored. When a record processed through the edit had unreported or unacceptable data, the record was assigned the last acceptable ratio or response from an operation with a similar set of characteristics. Once each execution of the computer edit for a State was completed, the possible imputation variables were reset to the default values and relationships for subsequent executions.

After the initial computer edit, keyed reports not meeting the census farm definition were reviewed to ensure that the data were keyed correctly. Edit referrals were generated for about 25 percent of the reports included as farms; they were reviewed for keying accuracy to ensure that the computer edit actions were correct. If the results of the computer edit were not acceptable, corrections were made and the record was reedited.

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
FARMS AND LAND IN FARMS			**FARM PRODUCTION EXPENSES**[1]		
Farms _____number__	8 716	.6	Total farm production expenses _____farms __	8 715	.6
Land in farms _____acres __	32 876 071	.1	$1,000__	675 225	.5
Average size of farm _____acres __	3 772	.6	Average per farm _____dollars __	77 479	.8
			Livestock and poultry purchased _____farms __	4 060	2.3
MARKET VALUE OF AGRICULTURAL			$1,000__	212 437	.8
PRODUCTS SOLD			Feed for livestock and poultry _____farms __	6 227	1.4
			$1,000__	89 381	.8
Total sales (see text) _____farms __	8 716	.6	Commercially mixed formula feeds _____farms __	2 213	3.4
$1,000__	824 205	.1	$1,000__	15 051	2.4
Average per farm _____dollars __	94 562	.6			
			Seeds, bulbs, plants, and trees _____farms __	2 635	2.6
Farms by value of sales:			$1,000__	8 772	1.8
Less than $1,000 (see text) _____farms __	930	1.3	Commercial fertilizer _____farms __	2 922	2.6
$1,000__	193	2.3	$1,000__	21 444	1.8
$1,000 to $2,499 _____farms __	601	1.7	Agricultural chemicals _____farms __	3 249	2.4
$1,000__	1 010	1.7	$1,000__	9 491	2.3
$2,500 to $4,999 _____farms __	722	1.6	Petroleum products _____farms __	8 034	.9
$1,000__	2 641	1.6	$1,000__	36 536	.9
$5,000 to $9,999 _____farms __	946	1.3			
$1,000__	6 834	1.4	Electricity _____farms __	6 457	1.4
$10,000 to $19,999 _____farms __	1 009	1.3	$1,000__	10 979	1.3
$1,000__	14 607	1.3	Hired farm labor _____farms __	3 416	2.2
$20,000 to $24,999 _____farms __	376	1.7	$1,000__	57 677	.5
$1,000__	8 367	1.7	Contract labor _____farms __	1 924	3.2
			$1,000__	8 831	2.3
$25,000 to $39,999 _____farms __	706	1.2	Repair and maintenance _____farms __	7 274	1.2
$1,000__	22 554	1.2	$1,000__	42 591	.9
$40,000 to $49,999 _____farms __	386	1.3	Customwork, machine hire, and rental of machinery		
$1,000__	17 169	1.3	and equipment _____farms __	2 390	3.0
$50,000 to $99,999 _____farms __	1 185	.7	$1,000__	9 393	2.2
$1,000__	85 233	.7	Interest expense _____farms __	4 727	1.9
$100,000 to $249,999 _____farms __	1 203	–	$1,000__	53 470	1.2
$1,000__	188 115	–	Secured by real estate _____farms __	3 228	2.6
$250,000 to $499,999 _____farms __	436	–	$1,000__	32 750	1.7
$1,000__	150 889	–	Not secured by real estate _____farms __	2 941	2.6
$500,000 or more _____farms __	216	–	$1,000__	20 720	1.4
$1,000__	326 593	–			
Sales by commodity or commodity group:			Cash rent _____farms __	2 632	2.8
Crops, including nursery and greenhouse crops _____farms __	3 286	.7	$1,000__	24 436	1.8
$1,000__	153 862	.3	Property taxes _____farms __	7 941	.9
Grains _____farms __	1 740	.7	$1,000__	15 428	1.3
$1,000__	60 081	.3	All other farm production expenses _____farms __	8 248	.8
Corn for grain _____farms __	408	1.0	$1,000__	74 359	.9
$1,000__	9 795	.7			
Wheat _____farms __	657	.8			
$1,000__	15 631	.4	**NET CASH RETURN FROM AGRICULTURAL**		
Soybeans _____farms __	–	–	**SALES FOR THE FARM UNIT (SEE TEXT)** [1]		
$1,000__	–	–			
Sorghum for grain _____farms __	4	–	All farms _____number__	8 715	.6
$1,000__	13	–	$1,000__	140 895	1.8
Barley _____farms __	703	.9	Average per farm _____dollars __	16 167	1.9
$1,000__	23 398	.5			
Oats_____farms __	279	1.5	Farms with net gains [2] _____number__	5 021	1.6
$1,000__	1 257	1.2	$1,000__	176 029	1.2
Other grains _____farms __	391	1.1	Average net gain _____dollars __	35 059	2.0
$1,000__	9 987	.7			
			Farms with net losses _____number__	3 694	2.2
Cotton and cottonseed _____farms __	–	–	$1,000__	35 134	3.1
$1,000__	–	–	Average net loss _____dollars __	9 511	3.8
Tobacco _____farms __	–	–			
$1,000__	–	–			
Hay, silage, and field seeds _____farms __	2 227	.8	**GOVERNMENT PAYMENTS AND OTHER**		
$1,000__	35 448	.5	**FARM-RELATED INCOME**		
Vegetables, sweet corn, and melons _____farms __	26	6.0			
$1,000__	394	1.2	Government payments _____farms __	1 787	.6
Fruits, nuts, and berries _____farms __	12	9.1	$1,000__	18 052	.4
$1,000__	8	14.3	Other farm-related income [1] _____farms __	2 264	3.5
			$1,000__	15 302	4.5
Nursery and greenhouse crops _____farms __	55	4.2	Customwork and other agricultural services _____farms __	648	7.0
$1,000__	2 637	3.0	$1,000__	5 306	7.3
Other crops _____farms __	513	.8	Gross cash rent or share payments _____farms __	1 063	5.7
$1,000__	55 294	.2	$1,000__	6 767	7.7
			Forest products and Christmas trees _____farms __	58	8.2
Livestock, poultry, and their products _____farms __	6 908	.6	$1,000__	642	1.5
$1,000__	670 343	.1	Other farm-related income sources _____farms __	949	5.0
Poultry and poultry products _____farms __	157	2.6	$1,000__	2 587	8.0
$1,000__	268	9.9			
Dairy products _____farms __	123	1.9			
$1,000__	11 168	.7	**COMMODITY CREDIT CORPORATION**		
Cattle and calves _____farms __	5 866	.5	**LOANS**		
$1,000__	583 570	.1			
Hogs and pigs _____farms __	342	1.7			
$1,000__	5 415	.9			
Sheep, lambs, and wool _____farms __	1 526	.8			
$1,000__	60 207	.1			
Other livestock and livestock products (see					
text) _____farms __	1 214	.9			
$1,000__	9 714	1.2			
Value of agricultural products sold directly to					
individuals for human consumption (see text) _____farms __	351	1.7	Total _____farms __	136	1.5
$1,000__	750	1.7	$1,000__	1 782	1.2

See footnotes at end of table.

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Table C. Reliability Estimates of State Totals for All Farms: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
LAND IN FARMS ACCORDING TO USE			**TENURE OF OPERATOR**		
			All operators — farms	8 716	.6
Total cropland — farms	6 756	.6	acres	32 876 071	.1
acres	2 842 020	.3	Full owners — farms	4 051	.8
Harvested cropland — farms	5 735	.6	acres	7 002 910	.1
acres	1 532 732	.2	Part owners — farms	3 436	.5
Farms by acres harvested:			acres	22 204 960	(L)
1 to 9 acres — farms	298	2.2	Tenants — farms	1 229	.9
acres	1 487	2.4	acres	3 668 201	.2
10 to 19 acres — farms	328	2.0			
acres	4 393	2.1	**OWNED AND RENTED LAND**		
20 to 29 acres — farms	297	2.1			
acres	6 696	2.1	Land owned — farms	7 527	.6
30 to 49 acres — farms	512	1.6	acres	20 601 211	.1
acres	19 048	1.6	Owned land in farms — farms	7 487	.6
50 to 99 acres — farms	900	1.2	acres	19 626 460	.1
acres	62 506	1.2	Land rented or leased from others — farms	4 713	.5
100 to 199 acres — farms	1 126	1.0	acres	13 579 339	.1
acres	152 375	1.0	landlords	9 308	.5
200 to 499 acres — farms	1 421	.5	Rented or leased land in farms — farms	4 665	.5
acres	436 666	.5	acres	13 249 611	.1
500 to 999 acres — farms	594	.3	Land rented or leased to others — farms	1 023	1.0
acres	404 737	.3	acres	1 304 479	.9
1,000 acres or more — farms	259	–			
acres	444 824	–	**OPERATOR CHARACTERISTICS**		
Cropland:			Operators by place of residence:		
Pasture or grazing only — farms	3 280	.8	On farm operated	6 500	.6
acres	721 162	.7	Not on farm operated	1 665	.9
Other cropland — farms	1 646	.7	Not reported	551	1.2
acres	588 126	.5	Operators by principal occupation:		
Total woodland — farms	751	.8	Farming	5 612	.5
acres	785 001	.2	Other	3 104	1.0
Pastureland and rangeland other than cropland and woodland pastured — farms	5 453	.5	Operators by days worked off farm:		
acres	28 946 215	(L)	Any	4 251	.8
Land in house lots, ponds, roads, wasteland, etc. — farms	4 069	.7	200 days or more	2 435	1.0
acres	302 835	.3	Operators by sex:		
Irrigated land — farms	5 076	.6	Male — farms	7 922	.6
acres	1 464 585	.3	acres	30 774 140	.1
Acres irrigated:			Female — farms	794	1.2
1 to 9 acres — farms	324	2.1	acres	2 101 931	.2
acres	1 587	2.3			
10 to 49 acres — farms	1 070	1.3	Average age of operator — years	53.4	.8
acres	27 506	1.4			
50 to 99 acres — farms	784	1.3	**FARMS BY TYPE OF ORGANIZATION**		
acres	54 462	1.3			
100 to 199 acres — farms	957	1.1	Individual or family (sole proprietorship) — farms	6 781	.6
acres	131 107	1.1	acres	14 543 592	.1
200 to 499 acres — farms	1 185	.7	Partnership — farms	976	.9
acres	365 205	.6	acres	4 871 225	.1
500 to 999 acres — farms	487	.4	Corporation:		
acres	335 055	.4	Family held — farms	788	.6
1,000 acres or more — farms	269	.1	acres	8 507 932	(L)
acres	549 663	.1	More than 10 stockholders — farms	29	–
			10 or less stockholders — farms	759	.6
Harvested cropland irrigated — farms	4 499	.6	Other than family held — farms	52	2.3
acres	1 099 037	.3	acres	728 629	(L)
Pasture and other land irrigated — farms	2 132	.8	More than 10 stockholders — farms	8	–
acres	365 548	.4	10 or less stockholders — farms	44	2.7
Land under federal acreage reduction programs:			Other—cooperative, estate or trust, institutional, etc. — farms	119	2.1
Diverted under annual commodity programs — farms	536	.8	acres	4 224 693	(L)
acres	10 947	.5			
Conservation Reserve or Wetlands Reserve Programs — farms	469	1.0	**HIRED FARM LABOR**		
acres	192 445	.9			
			Hired workers by days worked:		
VALUE OF LAND AND BUILDINGS [1]			150 days or more — farms	1 986	2.6
			workers	4 438	1.3
Estimated market value of land and buildings — farms	8 715	.6	Less than 150 days — farms	2 864	2.5
$1,000	5 241 521	1.0	workers	8 623	2.4
Average per farm — dollars	601 437	1.2			
Average per acre — dollars	159	1.1	**INJURIES AND DEATHS**		
VALUE OF MACHINERY AND EQUIPMENT [1]			Farm-related injuries:		
			Operator and family members — farms	165	1.6
Estimated market value of all machinery and equipment — farms	8 691	.6	number	194	1.7
$1,000	468 114	1.2	Hired workers — farms	174	.7
Average per farm — dollars	53 862	1.3	number	256	.5
			Farm-related deaths:		
AGRICULTURAL CHEMICALS[1]			Operator and family members — farms	3	–
			number	3	–
Commercial fertilizer — farms	2 923	2.6	Hired workers — farms	2	–
acres on which used	692 246	1.7	number	(D)	(D)

See footnotes at end of table.

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[For meaning of abbreviations and symbols, see introductory text]

FARMS BY SIZE

Item	Total	Relative standard error of estimate (percent)
1 to 9 acres — farms __	449	1.8
acres __	1 468	2.3
10 to 49 acres — farms __	994	1.5
acres __	27 226	1.5
50 to 69 acres — farms __	257	2.3
acres __	14 868	2.3
70 to 99 acres — farms __	335	2.1
acres __	27 360	2.1
100 to 139 acres — farms __	338	2.1
acres __	38 651	2.1
140 to 179 acres — farms __	426	1.9
acres __	67 140	1.9
180 to 219 acres — farms __	289	2.0
acres __	57 648	2.0
220 to 259 acres — farms __	217	2.3
acres __	51 754	2.3
260 to 499 acres — farms __	1 007	1.1
acres __	372 361	1.1
500 to 999 acres — farms __	1 079	1.0
acres __	757 941	1.0
1,000 to 1,999 acres — farms __	880	1.0
acres __	1 236 778	1.0
2,000 acres or more — farms __	2 445	−
acres __	30 222 876	−

FARMS BY STANDARD INDUSTRIAL CLASSIFICATION

Item	Total	Relative standard error of estimate (percent)
Cash grains (011) — farms __	575	1.2
acres __	703 629	.5
Field crops, except cash grains (013) — farms __	1 109	1.1
acres __	2 283 957	.2
Vegetables and melons (016) — farms __	5	18.1
acres __	(D)	(D)
Fruits and tree nuts (017) — farms __	5	14.9
acres __	(D)	(D)
Horticultural specialties (018) — farms __	50	4.4
acres __	3 740	8.5
General farms, primarily crop (019) — farms __	310	1.6
acres __	219 750	.8
Livestock, except dairy, poultry, and animal specialties (021) — farms __	5 734	.6
acres __	27 082 108	.1
Dairy farms (024) — farms __	91	2.1
acres __	63 272	1.4
Poultry and eggs (025) — farms __	28	6.2
acres __	7 252	4.6
Animal specialties (027) — farms __	645	1.5
acres __	478 613	.6
General farms, primarily livestock and animal specialties (029) — farms __	164	2.1
acres __	2 033 314	.1

LIVESTOCK

Item	Total	Relative standard error of estimate (percent)
Cattle and calves inventory — farms __	5 839	.6
number __	1 424 002	.2
Beef cows — farms __	5 114	.6
number __	746 789	.2
Milk cows — farms __	523	1.1
number __	7 596	.7
Cattle and calves sold — farms __	5 866	.5
number __	1 014 982	.1
$1,000 __	583 570	.1
Hogs and pigs inventory — farms __	379	1.7
number __	39 128	1.0
Hogs and pigs sold — farms __	342	1.7
number __	60 335	.8
$1,000 __	5 415	.9
Sheep and lambs of all ages inventory — farms __	1 462	.8
number __	921 133	.2
Sheep and lambs sold — farms __	1 505	.8
number __	915 604	.2
Horses and ponies inventory — farms __	4 516	.6
number __	40 671	.6
Horses and ponies sold — farms __	1 026	1.0
number __	5 190	1.3

POULTRY

Item	Total	Relative standard error of estimate (percent)
Chickens 3 months old or older inventory — farms __	516	1.4
number __	26 315	7.3
Hens and pullets of laying age — farms __	511	1.4
number __	24 984	7.7
Broilers and other meat-type chickens sold — farms __	8	12.9
number __	382	9.9

CROPS HARVESTED

Item	Total	Relative standard error of estimate (percent)
Corn for grain or seed — farms __	488	.9
acres __	54 341	.6
bushels __	5 332 116	.6
Corn for silage or green chop — farms __	390	.9
acres __	29 077	.4
tons, green __	482 859	.4
Wheat for grain — farms __	670	.8
acres __	211 312	.5
bushels __	5 264 505	.4
Barley for grain — farms __	857	.8
acres __	104 167	.4
bushels __	8 178 366	.4
Oats for grain — farms __	620	1.0
acres __	31 757	.8
bushels __	1 723 289	.8
Dry edible beans, excluding dry limas — farms __	346	1.1
acres __	29 709	.8
cwt __	517 834	.8
Irish potatoes — farms __	19	4.4
acres __	2 059	.1
cwt __	574 219	.1
Sugar beets for sugar — farms __	497	.9
acres __	72 550	.3
tons __	1 451 023	.3
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) — farms __	5 032	.6
acres __	1 017 562	.3
tons, dry __	1 756 092	.3
Alfalfa hay — farms __	3 730	.6
acres __	484 510	.4
tons, dry __	1 123 866	.4

[1]Data are based on a sample of farms.
[2]Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than $1,000.

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Table D. Reliability Estimates of State Totals for Farms With Sales of $10,000 or More: 1992

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)
FARMS AND LAND IN FARMS		
Farms ___number	5 517	.5
Land in farms ___acres	29 658 662	.1
Average size of farm ___acres	5 376	.5
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ___farms	5 517	.5
$1,000	813 527	.1
Average per farm ___dollars	147 458	.5
Farms by value of sales:		
$10,000 to $19,999 ___farms	1 009	1.3
$1,000	14 607	1.3
$20,000 to $24,999 ___farms	376	1.7
$1,000	8 367	1.7
$25,000 to $39,999 ___farms	706	1.2
$1,000	22 554	1.2
$40,000 to $49,999 ___farms	386	1.3
$1,000	17 169	1.3
$50,000 to $99,999 ___farms	1 185	.7
$1,000	85 233	.7
$100,000 to $249,999 ___farms	1 203	–
$1,000	188 115	–
$250,000 to $499,999 ___farms	436	–
$1,000	150 889	–
$500,000 or more ___farms	216	–
$1,000	326 593	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops ___farms	2 409	.6
$1,000	151 082	.3
Grains ___farms	1 530	.6
$1,000	59 292	.3
Corn for grain ___farms	393	1.0
$1,000	9 741	.7
Wheat ___farms	566	.7
$1,000	15 250	.5
Soybeans ___farms	–	–
$1,000	–	–
Sorghum for grain ___farms	4	–
$1,000	13	–
Barley ___farms	637	.8
$1,000	23 196	.5
Oats ___farms	234	1.5
$1,000	1 176	1.2
Other grains ___farms	372	1.0
$1,000	9 916	.7
Cotton and cottonseed ___farms	–	–
$1,000	–	–
Tobacco ___farms	–	–
$1,000	–	–
Hay, silage, and field seeds ___farms	1 534	.8
$1,000	33 604	.5
Vegetables, sweet corn, and melons ___farms	15	6.4
$1,000	(D)	(D)
Fruits, nuts, and berries ___farms	3	16.4
$1,000	(D)	(D)
Nursery and greenhouse crops ___farms	34	5.0
$1,000	2 541	3.1
Other crops ___farms	506	.8
$1,000	55 268	.2
Livestock, poultry, and their products ___farms	4 866	.5
$1,000	662 445	.1
Poultry and poultry products ___farms	67	3.1
$1,000	225	11.6
Dairy products ___farms	111	1.8
$1,000	11 135	.7
Cattle and calves ___farms	4 526	.5
$1,000	578 109	.1
Hogs and pigs ___farms	196	1.8
$1,000	5 194	.9
Sheep, lambs, and wool ___farms	999	.7
$1,000	59 012	.1
Other livestock and livestock products (see text) ___farms	743	.9
$1,000	8 770	1.3
Value of agricultural products sold directly to individuals for human consumption (see text) ___farms	194	1.7
$1,000	578	1.8

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ___farms	5 551	.7
$1,000	655 878	.5
Average per farm ___dollars	118 155	.8
Livestock and poultry purchased ___farms	3 090	2.3
$1,000	210 243	.8
Feed for livestock and poultry ___farms	4 420	1.3
$1,000	87 038	.8
Commercially mixed formula feeds ___farms	1 718	3.6
$1,000	14 753	2.4
Seeds, bulbs, plants, and trees ___farms	2 150	2.5
$1,000	8 567	1.8
Commercial fertilizer ___farms	2 322	2.5
$1,000	21 027	1.8
Agricultural chemicals ___farms	2 496	2.4
$1,000	9 243	2.3
Petroleum products ___farms	5 421	.8
$1,000	34 416	.9
Electricity ___farms	4 667	1.4
$1,000	10 241	1.3
Hired farm labor ___farms	2 909	2.0
$1,000	57 195	.5
Contract labor ___farms	1 571	3.0
$1,000	8 528	2.3
Repair and maintenance ___farms	5 128	1.1
$1,000	40 070	.9
Customwork, machine hire, and rental of machinery and equipment ___farms	1 931	2.9
$1,000	9 076	2.2
Interest expense ___farms	3 705	1.9
$1,000	51 057	1.2
Secured by real estate ___farms	2 475	2.6
$1,000	30 787	1.7
Not secured by real estate ___farms	2 536	2.6
$1,000	20 270	1.4
Cash rent ___farms	2 169	2.8
$1,000	23 538	1.7
Property taxes ___farms	5 093	1.0
$1,000	13 684	1.4
All other farm production expenses ___farms	5 551	.7
$1,000	71 957	.9
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT) [1]		
All farms ___number	5 551	.7
$1,000	149 517	1.6
Average per farm ___dollars	26 935	1.8
Farms with net gains [2] ___number	4 115	1.5
$1,000	174 080	1.2
Average net gain ___dollars	42 304	1.9
Farms with net losses ___number	1 436	3.9
$1,000	24 564	3.9
Average net loss ___dollars	17 106	5.5
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ___farms	1 453	.5
$1,000	16 386	.3
Other farm-related income [1] ___farms	1 576	3.8
$1,000	12 917	4.9
Customwork and other agricultural services ___farms	488	7.3
$1,000	4 935	7.7
Gross cash rent or share payments ___farms	640	7.1
$1,000	5 033	9.0
Forest products and Christmas trees ___farms	45	.7
$1,000	579	.3
Other farm-related income sources ___farms	777	5.1
$1,000	2 370	8.4
COMMODITY CREDIT CORPORATION LOANS		
Total ___farms	133	1.5
$1,000	1 771	1.2

See footnotes at end of table.

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[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)
LAND IN FARMS ACCORDING TO USE		
Total cropland _____ farms __	4 581	.5
acres__	2 544 590	.3
Harvested cropland _____ farms __	4 219	.5
acres__	1 457 195	.2
Cropland:		
Pasture or grazing only _____ farms __	1 972	.7
acres__	574 077	.6
Total woodland _____ farms __	526	.7
acres__	741 007	.2
Pastureland and rangeland other than cropland and woodland pastured _____ farms __	3 873	.4
acres__	26 097 209	(L)
Land in house lots, ponds, roads, wasteland, etc. _____ farms __	2 566	.6
acres__	275 856	.3
Irrigated land _____ farms __	3 521	.6
acres__	1 380 527	.3
Harvested cropland irrigated _____ farms __	3 319	.6
acres__	1 052 519	.2
Pasture and other land irrigated _____ farms __	1 332	.8
acres__	328 008	.4
Land under federal acreage reduction programs:		
Diverted under annual commodity programs _____ farms __	502	.7
acres__	10 699	.5
Conservation Reserve or Wetlands Reserve Programs _____ farms __	346	.9
acres__	156 461	.7
VALUE OF LAND AND BUILDINGS [1]		
Estimated market value of land and buildings _____ farms __	5 551	.7
$1,000__	4 516 455	1.0
Average per farm _____ dollars __	813 629	1.2
Average per acre _____ dollars __	152	1.1
VALUE OF MACHINERY AND EQUIPMENT [1]		
Estimated market value of all machinery and equipment _____ farms __	5 545	.7
$1,000__	416 650	1.2
Average per farm _____ dollars __	75 140	1.4
AGRICULTURAL CHEMICALS [1]		
Commercial fertilizer _____ farms __	2 323	2.5
acres on which used __	668 637	1.7
TENURE OF OPERATOR		
All operators _____ farms __	5 517	.5
acres__	29 658 662	.1
Full owners _____ farms __	1 941	.8
acres__	6 386 545	.1
Part owners _____ farms __	2 770	.4
acres__	20 038 839	(L)
Tenants _____ farms __	806	.9
acres__	3 233 278	.1
OWNED AND RENTED LAND		
Land owned _____ farms __	4 732	.5
acres__	18 535 864	.1
Owned land in farms _____ farms __	4 711	.5
acres__	17 840 258	.1
Land rented or leased from others _____ farms __	3 605	.4
acres__	12 085 118	.1
landlords__	7 752	.4
Rented or leased land in farms _____ farms __	3 576	.4
acres__	11 818 404	.1
Land rented or leased to others _____ farms __	640	1.0
acres__	962 320	.8
OPERATOR CHARACTERISTICS		
Operators by place of residence:		
On farm operated _____	4 264	.5
Not on farm operated _____	934	1.0
Not reported _____	319	1.1
Operators by principal occupation:		
Farming _____	4 469	.5
Other _____	1 048	1.1
Operators by days worked off farm:		
Any _____	2 058	.8
200 days or more _____	907	1.1
Operators by sex:		
Male _____	5 130	.5
Female _____	387	1.2
Average age of operator _____ years __	53.8	.7

Item	Total	Relative standard error of estimate (percent)
FARMS BY TYPE OF ORGANIZATION		
Individual or family (sole proprietorship) _____ farms __	3 983	.6
acres__	13 547 271	.1
Partnership _____ farms __	720	.8
acres__	4 665 640	.1
Corporation:		
Family held _____ farms __	701	.5
acres__	8 404 240	(L)
More than 10 stockholders _____ farms __	29	—
10 or less stockholders _____ farms __	672	.5
Other than family held _____ farms __	37	2.3
acres__	696 801	(L)
More than 10 stockholders _____ farms __	7	—
10 or less stockholders _____ farms __	30	2.8
Other—cooperative, estate or trust, institutional, etc. _____ farms __	76	2.4
acres__	2 344 710	(L)
HIRED FARM LABOR		
Hired workers by days worked:		
150 days or more _____ farms __	1 828	2.4
workers__	4 278	1.2
Less than 150 days _____ farms __	2 370	2.4
workers__	7 868	2.5
INJURIES AND DEATHS		
Farm-related injuries:		
Operator and family members _____ farms __	142	1.5
number__	165	1.4
Hired workers _____ farms __	167	.6
number__	248	.4
Farm-related deaths:		
Operator and family members _____ farms __	3	—
number__	(D)	(D)
Hired workers _____ farms __	2	—
number__	(D)	(D)
FARMS BY SIZE		
1 to 9 acres _____	140	2.7
10 to 49 acres _____	112	3.3
50 to 69 acres _____	61	4.3
70 to 99 acres _____	101	3.5
100 to 139 acres _____	117	3.2
140 to 179 acres _____	204	2.5
180 to 219 acres _____	152	2.6
220 to 259 acres _____	132	2.7
260 to 499 acres _____	671	1.3
500 to 999 acres _____	807	1.0
1,000 to 1,999 acres _____	732	1.0
2,000 acres or more _____	2 288	—
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION		
Cash grains (011) _____	424	1.2
Field crops, except cash grains (013) _____	600	1.1
Vegetables and melons (016) _____	—	—
Fruits and tree nuts (017) _____	—	—
Horticultural specialties (018) _____	33	5.1
General farms, primarily crop (019) _____	164	1.6
Livestock, except dairy, poultry, and animal specialties (021) _____	4 102	.5
Dairy farms (024) _____	82	1.9
Poultry and eggs (025) _____	4	12.1
Animal specialties (027) _____	99	3.2
General farms, primarily livestock and animal specialties (029) _____	9	6.9
LIVESTOCK		
Cattle and calves inventory _____ farms __	4 394	.5
number__	1 388 440	.2
Beef cows _____ farms __	3 967	.5
number__	727 205	.2
Milk cows _____ farms __	402	1.1
number__	7 399	.7
Cattle and calves sold _____ farms __	4 526	.5
number__	1 002 116	.1
$1,000__	578 109	.1
Hogs and pigs inventory _____ farms __	204	1.8
number__	36 297	.9
Hogs and pigs sold _____ farms __	196	1.8
number__	57 506	.8
$1,000__	5 194	.9
Sheep and lambs of all ages inventory _____ farms __	958	.7
number__	892 632	.1
Sheep and lambs sold _____ farms __	991	.7
number__	894 095	.2
Horses and ponies inventory _____ farms __	2 806	.6
number__	28 546	.5
Horses and ponies sold _____ farms __	643	.9
number__	4 223	1.4

See footnotes at end of table.

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[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
POULTRY			**CROPS HARVESTED**—Con.		
			Barley for grain _____ farms __	779	.8
Chickens 3 months old or older inventory _____ farms __	283	1.5	acres__	102 344	.4
number__	20 296	9.4	bushels__	8 095 491	.4
Hens and pullets of laying age _____ farms __	282	1.5	Oats for grain _____ farms __	544	.9
number__	19 948	9.6	acres__	29 914	.8
			bushels__	1 635 292	.7
Broilers and other meat-type chickens sold _____ farms __	1	–	Dry edible beans, excluding dry limas _____ farms __	336	1.1
number__	(D)	(D)	acres__	29 485	.8
			cwt__	514 756	.8
			Irish potatoes _____ farms __	15	2.6
CROPS HARVESTED			acres__	2 057	.1
			cwt__	573 719	.1
Corn for grain or seed _____ farms __	467	.9	Sugar beets for sugar _____ farms __	492	.8
acres__	53 940	.6	acres__	72 517	.3
bushels__	5 304 357	.6	tons__	1 450 408	.3
Corn for silage or green chop _____ farms __	382	.8	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) _____ farms __	3 693	.5
acres__	28 885	.4	acres__	953 902	.2
tons, green__	479 874	.4	tons, dry__	1 673 899	.3
Wheat for grain _____ farms __	573	.7	Alfalfa hay _____ farms __	2 808	.6
acres__	203 230	.5	acres__	448 439	.3
bushels__	5 108 451	.4	tons, dry__	1 070 394	.4

[1]Data are based on a sample of farms.
[2]Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than $1,000.

Table E. Reliability Estimates of Percent Change in State Totals: 1987 to 1992

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms Percent change from 1987 to 1992	All farms Standard error of estimate	Farms with sales of $10,000 or more Percent change from 1987 to 1992	Farms with sales of $10,000 or more Standard error of estimate
Farms_____number__	−5.3	.8	.8	.7
Land in farms_____acres__	−2.1	.1	4.5	.1
Average size of farm_____acres__	3.3	.9	3.7	.8
Estimated market value of land and buildings [1]:				
Average per farm_____dollars__	12.8	1.9	13.7	1.9
Average per acre_____dollars__	8.2	1.8	8.6	1.7
Estimated market value of all machinery and equipment [1]:				
Average per farm_____dollars__	17.8	2.3	13.5	2.2
Farms by size:				
1 to 9 acres	−43.5	1.4	−39.9	2.0
10 to 49 acres	.5	2.1	21.7	5.4
50 to 179 acres	−	1.7	18.7	2.9
180 to 499 acres	−1.5	1.5	2.5	1.8
500 to 999 acres	−1.1	1.4	6.6	1.7
1,000 to 1,999 acres	−7.8	1.3	−5.1	1.4
2,000 acres or more	−1.6	−	.2	−
Total cropland_____farms__	−6.6	.8	−1.9	.7
acres__	.1	.5	2.6	.5
Harvested cropland_____farms__	−10.2	.7	−5.6	.7
acres__	−10.7	.4	−9.4	.4
Irrigated land_____farms__	−2.8	.9	2.2	.9
acres__	−3.5	.5	−1.4	.4
Market value of agricultural products sold_____$1,000__	21.8	.3	22.3	.2
Average per farm_____dollars__	28.6	1.1	21.3	.9
Crops, including nursery and greenhouse crops_____$1,000__	23.4	.6	24.3	.6
Livestock, poultry, and their products_____$1,000__	21.4	.2	21.8	.2
Farms by value of sales:				
Less than $2,500	−22.9	.9	(X)	(X)
$2,500 to $4,999	−5.7	2.0	(X)	(X)
$5,000 to $9,999	−3.2	1.8	(X)	(X)
$10,000 to $24,999	−7.5	1.4	−7.5	1.4
$25,000 to $49,999	−12.0	1.3	−12.0	1.3
$50,000 to $99,999	2.7	1.1	2.7	1.1
$100,000 to $249,999	13.1	(L)	13.1	(L)
$250,000 to $499,999	30.1	−	30.1	−
$500,000 or more	17.4	−	17.4	−
Total farm production expenses [1]_____$1,000__	25.7	1.0	27.3	1.1
Average per farm_____dollars__	32.8	1.5	25.7	1.4
Net cash return from agricultural sales for the farm unit (see text) [1]_____farms__	−5.3	.8	1.3	.9
$1,000__	3.3	2.4	1.6	2.2
Average per farm_____dollars__	9.1	2.8	.3	2.3
Operators by principal occupation:				
Farming	−5.7	.7	−1.5	.7
Other	−4.6	1.3	11.5	1.7
Operators by days worked off farm:				
Any	−9.1	4.6	−.4	3.5
200 days or more	−7.8	4.7	9.7	5.6
Livestock and poultry:				
Cattle and calves inventory_____farms__	−2.5	.8	1.2	.7
number__	.8	.3	2.3	.2
Beef cows_____farms__	.6	.8	4.4	.7
number__	8.4	.3	9.4	.3
Milk cows_____farms__	−33.6	1.0	−29.8	1.0
number__	−18.2	1.0	−17.0	1.0
Cattle and calves sold_____farms__	−1.7	.8	1.5	.7
number__	6.1	.2	6.5	.2
Hogs and pigs inventory_____farms__	−20.0	1.7	−26.6	1.7
number__	37.6	3.0	40.8	3.1
Hogs and pigs sold_____farms__	−16.0	1.9	−19.0	2.0
number__	11.2	2.4	12.9	2.6
Sheep and lambs inventory_____farms__	−6.8	1.1	−8.8	.9
number__	.4	.2	.2	.2
Chickens 3 months old or older inventory_____farms__	−44.5	1.0	−43.6	1.0
number__	−10.0	6.8	12.8	10.8
Broilers and other meat-type chickens sold_____farms__	−78.4	3.0	−94.7	.3
number__	−96.0	1.1	(D)	(D)
Selected crops harvested:				
Corn for silage or green chop_____farms__	−9.9	1.1	−9.9	1.1
acres__	−2.8	.7	−2.7	.7
tons, green__	−5.0	.6	−4.9	.6
Wheat for grain_____farms__	−27.5	.8	−27.9	.7
acres__	−16.4	.6	−16.3	.6
bushels__	−27.0	.5	−26.9	.5
Barley for grain_____farms__	−28.0	.8	−26.9	.8
acres__	−18.2	.7	−17.6	.7
bushels__	−5.5	.7	−4.9	.7
Dry edible beans, excluding dry limas_____farms__	−12.2	1.4	−12.0	1.4
acres__	−12.3	1.0	−12.5	1.0
cwt__	−16.3	.9	−16.4	.9
Sugar beets for sugar_____farms__	24.3	1.7	24.9	1.7
acres__	27.4	.7	27.6	.7
tons__	23.3	.6	23.4	.6
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)_____farms__	−11.4	.7	−6.8	.7
acres__	−10.2	.4	−8.3	.4
tons, dry__	−7.8	.4	−6.0	.4

[1]Data are based on a sample of farms.

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Table F.   Reliability Estimates for the State and County Totals: 1992

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms Total (number)	Farms Relative standard error of estimate (percent)	Land in farms Total (acres)	Land in farms Relative standard error of estimate (percent)	Average size of farm Total (acres)	Average size of farm Relative standard error of estimate (percent)	Average market value of land and buildings per farm [1] Value (dollars)	Average market value of land and buildings per farm [1] Relative standard error of estimate (percent)	Estimated market value of all machinery and equipment [1] Total ($1,000)	Estimated market value of all machinery and equipment [1] Relative standard error of estimate (percent)
Wyoming	**8 716**	**.6**	**32 876 071**	**.1**	**3 772**	**.6**	**601 437**	**1.2**	**468 114**	**1.2**
Albany	294	.6	1 868 333	.1	6 355	.6	948 369	3.8	14 136	4.1
Big Horn	516	.8	441 321	.5	855	.9	274 233	3.3	28 140	2.5
Campbell	476	.6	2 704 163	.1	5 681	.6	449 402	4.1	21 430	5.2
Carbon	287	.5	2 720 903	.1	9 480	.5	1 281 249	2.6	19 136	3.0
Converse	305	.5	2 363 248	.1	7 748	.5	809 016	2.0	16 423	5.4
Crook	442	.5	1 542 262	.2	3 489	.5	515 438	6.8	22 770	5.9
Fremont	877	.8	2 415 873	.1	2 755	.8	465 092	2.7	42 950	4.5
Goshen	675	.6	1 234 542	.2	1 829	.6	393 901	2.9	43 282	3.0
Hot Springs	138	.6	908 320	.1	6 582	.6	956 460	3.6	6 798	4.1
Johnson	290	.4	2 055 522	.1	7 088	.4	731 254	5.1	14 198	3.9
Laramie	564	.5	1 700 356	.2	3 015	.5	540 112	2.4	35 137	6.3
Lincoln	511	.7	558 966	.3	1 094	.7	508 855	9.3	23 544	9.4
Natrona	292	.6	2 508 749	.1	8 592	.6	950 449	6.0	11 608	5.8
Niobrara	278	.3	1 344 561	.1	4 837	.3	481 395	3.4	13 363	5.4
Park	579	.5	797 270	.2	1 377	.6	442 541	2.9	37 597	3.3
Platte	462	.4	1 364 948	.2	2 954	.4	537 502	3.4	29 625	6.1
Sheridan	533	.7	1 208 776	.3	2 268	.8	564 115	5.5	22 980	2.8
Sublette	238	.5	592 754	.2	2 491	.5	949 179	3.3	13 015	5.1
Sweetwater	154	1.0	1 720 737	.1	11 174	1.0	1 434 011	2.1	7 627	9.6
Teton	102	.8	62 307	.9	611	1.2	1 025 731	3.5	5 314	7.6
Uinta	265	.9	879 694	.2	3 320	.9	596 731	6.5	10 243	5.0
Washakie	207	.4	397 883	.2	1 922	.4	476 276	3.7	18 200	1.9
Weston	231	.3	1 484 583	.1	6 427	.3	682 514	7.2	10 597	6.8

Geographic area	Average market value of all machinery and equipment per farm [1] Value (dollars)	Average market value of all machinery and equipment per farm [1] Relative standard error of estimate (percent)	Market value of agricultural products sold Total ($1,000)	Market value of agricultural products sold Relative standard error of estimate (percent)	Average market value of agricultural products sold per farm Value (dollars)	Average market value of agricultural products sold per farm Relative standard error of estimate (percent)	Farm production expenses [1] Total farm production expenses Farms Number	Farm production expenses [1] Total farm production expenses Farms Relative standard error of estimate (percent)	Farm production expenses [1] Total farm production expenses Value Total ($1,000)	Farm production expenses [1] Total farm production expenses Value Relative standard error of estimate (percent)
Wyoming	**53 862**	**1.3**	**824 205**	**.1**	**94 562**	**.6**	**8 715**	**.6**	**675 225**	**.5**
Albany	48 081	4.2	33 046	.3	112 401	.6	294	.9	26 101	1.9
Big Horn	54 641	2.8	39 945	.4	77 413	.9	515	1.3	31 073	3.0
Campbell	45 020	5.3	31 977	.2	67 178	.7	476	.7	28 265	2.9
Carbon	66 676	3.2	46 164	.1	160 850	.5	287	1.0	40 188	.9
Converse	54 743	5.6	24 849	.2	81 471	.6	305	.8	19 551	1.1
Crook	51 515	6.0	28 466	.3	64 403	.6	442	.7	21 461	1.9
Fremont	48 918	4.6	56 092	.4	63 959	.9	878	.9	43 066	2.2
Goshen	64 504	3.1	127 160	.1	188 385	.6	675	.8	111 534	.9
Hot Springs	49 263	4.3	10 265	.6	74 384	.8	138	1.4	7 321	1.7
Johnson	48 959	3.9	23 218	.3	80 061	.5	290	.7	19 057	4.5
Laramie	62 410	6.4	61 388	.2	108 843	.5	564	.7	52 035	1.6
Lincoln	46 074	9.4	25 178	.5	49 271	.9	511	.8	18 480	3.3
Natrona	40 588	6.1	24 121	.3	82 606	.7	292	.8	18 488	1.3
Niobrara	48 069	5.5	21 805	.3	78 437	.4	278	.7	17 312	3.8
Park	65 844	3.6	57 001	.2	98 447	.6	579	.7	45 538	1.3
Platte	64 123	6.1	62 905	.2	136 159	.4	462	.7	53 759	1.3
Sheridan	43 196	2.9	32 513	.5	61 000	.9	532	.9	27 727	3.6
Sublette	54 685	5.1	25 933	.3	108 962	.5	238	.9	20 733	2.1
Sweetwater	49 528	9.8	7 610	1.0	49 414	1.4	154	1.7	6 137	1.9
Teton	51 596	7.8	8 906	.5	87 315	1.0	103	1.8	7 730	.9
Uinta	38 653	5.2	16 575	.5	62 546	1.0	265	1.3	13 089	4.8
Washakie	88 348	2.1	32 988	.2	159 362	.4	206	.8	25 193	1.1
Weston	45 875	6.8	26 101	.2	112 990	.4	231	.8	21 384	2.8

Farm production expenses [1] —Con.

Geographic area	Livestock and poultry purchased Farms Number	Livestock and poultry purchased Farms Relative standard error of estimate (percent)	Livestock and poultry purchased Value Total ($1,000)	Livestock and poultry purchased Value Relative standard error of estimate (percent)	Feed for livestock and poultry Farms Number	Feed for livestock and poultry Farms Relative standard error of estimate (percent)	Feed for livestock and poultry Value Total ($1,000)	Feed for livestock and poultry Value Relative standard error of estimate (percent)	Seeds, bulbs, plants, and trees Farms Number	Seeds, bulbs, plants, and trees Farms Relative standard error of estimate (percent)	Seeds, bulbs, plants, and trees Value Total ($1,000)	Seeds, bulbs, plants, and trees Value Relative standard error of estimate (percent)
Wyoming	**4 060**	**2.3**	**212 437**	**.8**	**6 227**	**1.4**	**89 381**	**.8**	**2 635**	**2.6**	**8 772**	**1.8**
Albany	170	10.7	11 021	2.9	245	5.9	2 418	2.5	18	1.4	51	1.9
Big Horn	214	11.7	3 390	5.0	311	7.4	1 994	11.5	272	8.9	1 107	5.6
Campbell	243	7.3	7 844	8.6	418	3.8	5 066	2.5	84	15.3	170	5.6
Carbon	182	7.9	14 489	.6	233	5.5	4 391	3.6	57	18.2	43	8.8
Converse	178	6.5	2 899	4.1	240	4.7	2 894	2.9	70	14.5	101	6.5
Crook	220	9.9	4 865	3.7	344	5.1	3 454	7.2	135	14.0	114	10.9
Fremont	419	7.2	10 812	2.7	590	4.9	4 994	2.3	272	8.7	688	12.8
Goshen	293	8.6	56 426	.6	465	4.0	17 054	1.0	407	5.7	2 098	3.8
Hot Springs	58	5.9	1 081	5.8	101	3.9	893	1.7	36	9.5	63	5.1

See footnotes at end of table.

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Table F. Reliability Estimates for the State and County Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Farm production expenses [1]—Con.

Geographic area	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Johnson	160	11.6	3 526	16.4	234	6.6	2 239	4.3	46	16.4	57	2.3
Laramie	237	9.4	19 577	3.3	322	6.5	7 091	3.0	200	8.2	831	3.3
Lincoln	240	9.9	3 465	15.1	326	5.4	2 655	5.3	178	10.4	180	9.2
Natrona	94	6.7	2 310	.2	210	6.0	3 143	1.2	44	17.8	101	4.7
Niobrara	165	8.5	5 743	8.7	237	4.9	2 810	6.0	46	19.2	78	16.7
Park	227	10.8	8 380	1.9	339	6.9	4 553	4.3	242	7.8	1 319	3.4
Platte	170	12.5	21 980	1.7	318	7.2	6 613	2.4	160	11.8	710	7.4
Sheridan	233	10.0	6 102	10.1	425	4.6	4 062	7.0	146	14.6	225	3.4
Sublette	108	10.6	5 397	4.4	194	6.3	3 273	7.7	41	22.6	53	8.8
Sweetwater	74	11.3	925	5.8	110	7.0	1 634	1.9	38	15.8	49	17.1
Teton	36	11.4	2 376	.7	58	7.9	874	4.0	17	14.3	12	10.6
Uinta	151	13.6	3 655	15.1	223	4.3	1 348	12.3	14	–	12	–
Washakie	85	18.4	7 246	.7	122	12.4	2 298	2.9	91	12.7	676	.6
Weston	103	13.6	8 927	3.4	162	7.8	3 630	2.1	21	–	36	–

Farm production expenses [1]—Con.

Geographic area	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Wyoming	**2 922**	**2.6**	**21 444**	**1.8**	**3 249**	**2.4**	**9 491**	**2.3**	**8 034**	**.9**	**36 536**	**.9**
Albany	76	13.7	536	3.0	46	16.6	130	2.4	265	4.9	1 148	3.0
Big Horn	304	8.9	3 457	6.8	296	8.1	1 253	7.5	458	4.2	2 556	3.8
Campbell	17	–	91	–	189	8.8	242	8.5	434	3.2	1 858	5.4
Carbon	136	9.5	1 065	2.4	58	9.3	101	1.3	275	1.0	1 851	1.8
Converse	52	15.0	199	3.0	94	8.6	138	1.2	285	3.6	1 416	2.9
Crook	57	23.1	127	13.7	145	9.5	335	8.2	398	3.5	1 587	3.3
Fremont	465	6.4	2 118	8.7	303	9.7	669	5.3	823	2.1	2 708	3.9
Goshen	368	5.7	3 465	5.3	358	6.6	1 554	8.7	640	1.9	3 733	2.5
Hot Springs	26	8.7	85	9.2	46	9.1	31	4.2	125	2.3	533	1.6
Johnson	81	19.1	190	9.1	59	14.7	114	12.4	272	3.2	1 430	3.6
Laramie	168	10.7	1 351	5.2	177	8.8	656	6.7	499	3.2	2 364	3.4
Lincoln	144	14.7	314	5.7	220	11.2	179	4.5	486	2.3	1 541	7.4
Natrona	49	14.7	197	6.0	87	14.1	111	9.1	275	2.5	1 212	3.1
Niobrara	7	–	53	–	70	15.4	237	30.9	270	2.2	1 089	4.5
Park	333	6.7	3 744	3.1	343	6.5	1 507	3.7	536	2.8	2 855	1.9
Platte	164	11.4	1 157	4.8	204	10.6	693	8.1	399	4.5	2 096	6.5
Sheridan	96	16.6	334	6.6	235	10.3	273	16.0	497	3.0	1 620	6.6
Sublette	59	18.6	323	10.0	40	21.3	53	47.8	220	3.9	1 150	2.5
Sweetwater	46	12.6	169	6.8	25	19.0	42	11.5	147	2.6	498	3.1
Teton	28	14.8	215	12.2	27	11.1	56	5.1	90	3.1	337	3.4
Uinta	123	15.7	563	7.4	59	30.4	54	6.3	231	5.9	766	4.8
Washakie	111	11.9	1 631	.7	129	8.8	999	.7	191	4.5	1 343	1.3
Weston	12	–	63	–	39	20.2	64	19.0	218	3.1	846	3.8

Farm production expenses [1]—Con.

Geographic area	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Wyoming	**6 457**	**1.4**	**10 979**	**1.3**	**3 416**	**2.2**	**57 677**	**.5**	**1 924**	**3.2**	**8 831**	**2.3**
Albany	195	7.2	326	7.2	104	10.0	2 285	.8	56	13.7	301	4.2
Big Horn	393	6.2	421	3.4	222	11.1	3 158	3.0	176	13.3	1 129	6.0
Campbell	395	4.3	552	4.0	137	7.9	1 780	.5	79	10.7	245	2.7
Carbon	209	6.1	551	2.3	129	5.3	4 758	1.2	93	13.5	300	10.7
Converse	235	5.4	368	2.2	113	10.0	2 590	2.4	75	9.8	376	5.5
Crook	363	5.2	408	7.6	151	9.8	1 528	2.2	99	14.9	223	7.5
Fremont	623	4.4	832	10.4	288	7.4	3 864	2.0	198	11.6	808	9.3
Goshen	546	3.8	1 324	2.5	354	7.4	5 203	2.2	131	3.7	923	2.2
Hot Springs	116	3.5	172	3.7	44	5.2	1 151	1.7	21	9.0	87	1.5
Johnson	235	4.6	316	5.7	129	8.5	2 030	5.4	93	11.8	516	12.5
Laramie	431	4.9	1 310	4.1	211	10.7	4 226	.8	96	15.4	469	11.4
Lincoln	310	8.5	505	8.1	206	7.7	1 680	1.0	57	21.1	163	2.2
Natrona	173	8.3	330	4.6	109	10.1	2 869	1.3	67	15.0	318	1.9
Niobrara	219	4.6	369	7.9	93	10.7	787	2.4	70	15.8	160	12.7
Park	408	6.0	579	3.4	261	7.2	5 537	1.6	153	12.4	859	6.7
Platte	378	4.1	1 043	3.7	172	11.0	2 964	5.2	90	14.5	354	13.5
Sheridan	350	6.5	413	7.3	180	11.9	2 826	1.5	113	17.1	390	30.2
Sublette	174	7.6	289	5.9	117	5.7	2 500	2.2	46	14.6	236	2.4
Sweetwater	91	8.0	103	13.2	48	9.0	398	.6	24	18.2	63	4.9

See footnotes at end of table.

1992 CENSUS OF AGRICULTURE

TIPS [UPF] BATCH_1790 [ACEN,C_ARLEDGE] 5/20/94 1:36 PM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_83.TIPS;1 * 5/18/94 09:42:00 TAPE: NOreel FRAME: 9
TSF:TIPS92-09425491.DAT;1 5/18/94 09:43:04 UTF:TIPS93-09425491.DAT;1 5/18/94 09:43:04 META:VOL1_TIPS96_APX_83.DAT;8 5/18/94 09:43:54

[For meaning of abbreviations and symbols, see introductory text]

Farm production expenses [1]—Con.

Geographic area	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Teton	73	6.0	131	3.9	38	9.6	769	1.5	17	19.9	49	12.2
Uinta	179	10.2	143	6.6	115	15.1	903	1.2	68	21.7	244	7.6
Washakie	173	6.2	276	3.2	112	13.5	2 595	2.4	75	14.4	494	3.4
Weston	188	5.7	222	5.7	83	16.7	1 276	4.5	27	–	121	–

Farm production expenses [1]—Con.

Geographic area	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest expense			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Wyoming	**7 274**	**1.2**	**42 591**	**.9**	**2 390**	**3.0**	**9 393**	**2.2**	**4 727**	**1.9**	**53 470**	**1.2**
Albany	215	7.0	1 821	2.6	36	16.9	109	2.9	140	10.2	2 212	3.8
Big Horn	413	5.2	2 648	4.3	186	13.5	937	8.7	307	8.7	2 760	4.9
Campbell	426	3.6	1 853	8.2	86	12.5	332	3.2	263	6.8	2 352	5.3
Carbon	246	5.1	2 095	1.9	60	11.4	336	15.0	156	8.0	3 033	3.9
Converse	245	6.1	1 630	2.3	61	19.0	153	16.6	186	7.2	1 954	4.3
Crook	385	3.8	1 631	4.2	99	12.5	321	13.3	214	10.3	2 441	3.1
Fremont	741	3.2	2 970	3.7	289	9.1	920	5.5	440	6.3	3 805	4.9
Goshen	605	2.9	4 443	2.4	314	7.5	1 480	6.2	495	4.2	5 057	4.0
Hot Springs	117	3.6	631	1.8	33	8.6	80	5.2	74	6.2	960	2.1
Johnson	263	4.7	1 394	4.7	59	9.7	215	10.1	197	6.3	2 004	8.1
Laramie	452	3.5	2 796	2.4	192	8.2	1 363	6.4	303	8.1	3 678	3.9
Lincoln	410	6.1	1 601	6.6	127	17.4	177	17.3	232	10.5	2 080	8.2
Natrona	231	5.5	1 318	2.6	59	16.8	285	17.3	165	8.8	1 969	4.9
Niobrara	246	4.4	1 100	4.1	55	18.6	188	11.7	160	7.6	1 452	6.3
Park	479	4.2	3 842	2.6	222	10.5	742	4.2	249	8.3	3 096	4.9
Platte	392	4.5	2 611	4.5	87	13.7	352	8.8	287	7.9	4 660	6.1
Sheridan	410	5.8	1 848	5.6	140	16.4	413	18.9	272	10.0	2 909	8.6
Sublette	203	6.0	1 370	2.7	45	–	194	–	102	10.6	1 775	3.0
Sweetwater	128	4.9	398	6.2	27	18.4	57	7.6	85	8.7	576	4.9
Teton	76	5.8	1 030	1.3	17	9.5	94	3.9	33	11.5	394	2.1
Uinta	220	5.1	932	2.4	61	23.8	81	3.0	119	16.4	1 026	3.4
Washakie	166	8.1	1 727	1.5	82	14.1	422	1.6	127	10.8	1 671	8.5
Weston	205	4.7	902	5.5	53	23.6	143	4.8	121	12.9	1 605	4.3

Farm production expenses [1]—Con.

Geographic area	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Wyoming	**2 632**	**2.8**	**24 436**	**1.8**	**7 941**	**.9**	**15 428**	**1.3**	**8 248**	**.8**	**74 359**	**.9**
Albany	94	16.3	648	4.5	254	5.5	626	4.5	269	4.7	2 470	3.5
Big Horn	126	12.9	1 507	4.6	483	2.2	1 021	6.1	494	2.4	3 736	8.3
Campbell	186	8.5	1 481	5.0	419	3.4	575	3.8	453	2.0	3 823	2.6
Carbon	108	12.4	1 263	6.4	271	3.2	774	1.6	275	3.2	5 138	1.9
Converse	99	9.3	1 076	6.3	275	3.6	519	3.6	284	2.7	3 240	1.2
Crook	216	8.7	1 198	6.2	396	4.2	547	3.7	398	2.9	2 681	3.0
Fremont	192	12.8	983	11.6	816	2.2	1 305	4.5	839	1.8	5 593	2.7
Goshen	209	9.7	1 821	8.4	631	1.7	1 459	4.4	651	1.7	5 494	4.1
Hot Springs	34	7.0	314	4.8	132	1.6	204	1.8	132	2.2	1 036	2.7
Johnson	96	13.5	1 362	3.6	267	3.6	843	5.4	288	.8	2 820	3.9
Laramie	170	12.4	1 797	8.1	491	3.4	805	3.0	529	2.3	3 722	2.7
Lincoln	142	16.2	458	13.5	468	2.8	544	3.3	486	2.5	2 938	9.9
Natrona	67	16.1	729	12.1	257	4.6	692	11.5	272	2.8	2 903	1.4
Niobrara	118	10.5	860	7.0	228	4.4	384	5.3	265	2.5	2 002	4.7
Park	172	10.6	2 168	4.1	533	2.6	1 056	3.8	540	2.5	5 303	2.8
Platte	138	14.0	1 422	11.8	409	4.2	868	7.8	452	1.7	6 237	2.4
Sheridan	142	12.9	1 522	13.1	496	2.3	815	10.3	508	2.4	3 976	2.7
Sublette	52	17.5	520	8.0	237	.9	665	2.9	222	3.9	2 935	1.9
Sweetwater	27	19.3	167	4.2	138	4.7	178	4.7	153	1.7	881	4.8
Teton	21	17.5	282	1.0	89	3.6	372	4.5	93	3.1	739	1.6
Uinta	66	18.3	896	1.8	255	2.8	337	5.0	233	3.8	2 128	2.1
Washakie	69	19.8	853	2.6	190	4.5	505	9.2	192	4.4	2 458	2.3
Weston	88	13.6	1 108	8.0	206	4.8	334	4.4	220	3.0	2 106	5.0

See footnotes at end of table.

TIPS [UPF] BATCH_1790 [ACEN,C_ARLEDGE] 5/20/94 1:36 PM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_83.TIPS;1 * 5/18/94 09:42:00 TAPE: NOreel FRAME: 10
TSF:TIPS92-09425491.DAT;1 5/18/94 09:43:04 UTF:TIPS93-09425491.DAT;1 5/18/94 09:43:04 META:VOL1_TIPS96_APX_83.DAT;8 5/18/94 09:43:54

Table F. Reliability Estimates for the State and County Totals: 1992 —Con.

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Net cash return from agricultural sales for the farm unit (see text)[1] — Farms — Number	Relative standard error of estimate (percent)	Value — Total ($1,000)	Relative standard error of estimate (percent)	Total cropland — Farms — Number	Relative standard error of estimate (percent)	Acres — Number	Relative standard error of estimate (percent)	Harvested cropland — Farms — Number	Relative standard error of estimate (percent)	Acres — Number	Relative standard error of estimate (percent)
Wyoming	**8 715**	**.6**	**140 895**	**1.8**	**6 756**	**.6**	**2 842 020**	**.3**	**5 735**	**.6**	**1 532 732**	**.2**
Albany	294	.9	6 321	5.6	180	1.3	112 639	1.1	150	1.4	81 541	.6
Big Horn	515	1.3	8 041	9.2	457	.9	128 270	.9	398	1.1	82 824	.6
Campbell	476	.7	4 347	11.9	268	1.2	162 007	.7	194	1.3	56 296	.6
Carbon	287	1.0	6 232	8.3	215	1.0	171 309	.5	197	1.1	106 081	.4
Converse	305	.8	4 738	3.7	203	1.1	76 511	1.5	169	1.3	40 951	1.0
Crook	442	.7	7 083	4.8	350	.8	160 515	.7	297	.9	71 175	.5
Fremont	878	.9	11 274	6.1	764	.9	(D)	(D)	653	1.0	103 417	.7
Goshen	675	.8	15 519	5.2	568	.7	295 958	.7	500	.8	142 187	.5
Hot Springs	138	1.4	2 493	7.1	110	1.1	30 596	1.2	96	1.5	19 638	1.1
Johnson	290	.7	3 039	26.0	166	1.1	56 816	1.3	137	1.2	31 797	.5
Laramie	564	.7	7 940	5.7	436	.8	(D)	(D)	348	.9	157 137	.5
Lincoln	511	.8	6 293	6.9	456	.8	128 791	.6	403	.9	87 670	.6
Natrona	292	.8	5 039	4.0	186	1.4	55 744	1.4	161	1.6	26 506	1.1
Niobrara	278	.7	5 922	12.3	170	1.0	73 916	1.1	131	1.2	28 322	1.0
Park	579	.7	12 273	6.0	510	.7	125 896	.8	453	.8	98 236	.5
Platte	462	.7	8 997	7.4	360	.7	187 850	.7	271	1.0	78 974	.4
Sheridan	532	.9	5 076	9.2	441	1.0	115 521	1.3	390	1.1	63 316	.8
Sublette	238	.9	4 053	3.6	192	1.0	147 141	.5	177	1.0	98 032	.4
Sweetwater	154	1.7	1 106	18.9	114	1.8	(D)	(D)	98	2.1	21 993	1.9
Teton	103	1.8	1 130	10.0	81	1.8	25 732	1.5	59	2.7	13 710	1.8
Uinta	265	1.3	2 367	30.4	230	1.2	92 856	1.0	206	1.3	53 540	.7
Washakie	206	.8	7 233	4.5	174	.9	52 855	.4	153	1.0	44 409	.4
Weston	231	.8	4 379	9.3	125	1.3	48 359	1.4	94	1.5	24 980	.7

Geographic area	Irrigated land — Farms — Number	Relative standard error of estimate (percent)	Acres — Number	Relative standard error of estimate (percent)	Livestock and poultry — Cattle and calves inventory — Farms — Number	Relative standard error of estimate (percent)	Total — Number	Relative standard error of estimate (percent)	Beef cows inventory — Farms — Number	Relative standard error of estimate (percent)	Total — Number	Relative standard error of estimate (percent)
Wyoming	**5 076**	**.6**	**1 464 585**	**.3**	**5 839**	**.6**	**1 424 002**	**.2**	**5 114**	**.6**	**746 789**	**.2**
Albany	162	1.4	131 183	.5	193	1.2	61 681	.4	178	1.3	31 560	.6
Big Horn	462	.9	108 309	.7	322	1.2	46 682	.8	291	1.3	23 854	.8
Campbell	5	8.4	2 260	.4	370	.9	77 234	.3	333	.9	43 365	.3
Carbon	198	1.1	161 498	.3	213	1.0	107 779	.2	195	1.1	61 640	.2
Converse	146	1.4	37 408	.5	227	1.0	68 869	.2	209	1.0	38 954	.3
Crook	29	3.1	5 535	.8	347	.8	67 531	.4	316	.9	39 627	.5
Fremont	762	.9	132 197	.8	539	1.1	102 840	.7	470	1.2	55 396	.8
Goshen	435	.9	104 521	.6	443	.9	116 543	.3	370	1.0	39 893	.5
Hot Springs	106	1.3	26 956	.8	95	1.5	31 754	.4	84	1.6	19 008	.5
Johnson	151	1.2	39 051	.9	229	.8	58 563	.4	211	.9	36 128	.4
Laramie	173	1.3	49 239	.6	278	1.2	63 915	.3	234	1.3	32 349	.4
Lincoln	393	1.0	82 128	.6	344	1.1	54 252	.5	231	1.3	27 703	.5
Natrona	172	1.5	32 007	.9	163	1.5	49 887	.3	144	1.6	31 594	.3
Niobrara	49	1.6	7 989	1.8	239	.6	54 918	.3	220	.7	31 626	.3
Park	511	.7	113 476	.5	273	1.3	67 456	.5	240	1.3	29 491	.6
Platte	241	1.1	60 380	.4	347	.8	87 830	.3	303	.9	36 208	.4
Sheridan	307	1.3	45 514	1.0	406	1.0	75 177	.6	355	1.1	43 599	.7
Sublette	196	.9	133 675	.4	184	1.0	69 418	.4	169	1.0	38 283	.4
Sweetwater	104	1.9	28 520	1.6	96	2.1	23 771	1.3	91	2.2	(D)	(D)
Teton	77	2.1	23 848	1.0	43	3.3	9 151	1.6	35	3.8	(D)	(D)
Uinta	221	1.3	88 177	.9	205	1.4	48 340	.7	183	1.5	26 193	1.0
Washakie	166	.9	46 908	.4	110	1.5	30 008	.6	99	1.6	15 450	.7
Weston	10	–	3 806	–	173	.9	50 403	.2	153	1.0	24 695	.3

Livestock and poultry —Con.

Geographic area	Milk cows inventory — Farms — Number	Relative standard error of estimate (percent)	Total — Number	Relative standard error of estimate (percent)	Hogs and pigs inventory — Farms — Number	Relative standard error of estimate (percent)	Total — Number	Relative standard error of estimate (percent)	Sheep and lambs inventory — Farms — Number	Relative standard error of estimate (percent)	Total — Number	Relative standard error of estimate (percent)
Wyoming	**523**	**1.1**	**7 596**	**.7**	**379**	**1.7**	**39 128**	**1.0**	**1 462**	**.8**	**921 133**	**.2**
Albany	14	7.1	23	6.4	12	7.2	462	4.8	46	3.8	14 073	1.5
Big Horn	28	5.5	213	4.0	25	5.9	4 335	5.3	116	2.4	50 798	.9
Campbell	29	4.4	61	5.0	24	6.4	335	7.4	113	2.1	68 029	.4
Carbon	18	4.7	51	6.0	14	9.1	157	27.5	49	3.3	43 703	.9
Converse	22	2.6	60	2.2	11	10.3	309	20.6	75	2.1	106 661	.2
Crook	31	3.5	92	2.4	19	5.2	1 504	4.9	87	2.0	41 287	.6
Fremont	31	4.7	701	.5	40	4.9	1 330	6.5	173	2.2	51 063	1.2
Goshen	22	5.8	176	2.2	20	6.0	3 243	1.1	41	4.7	2 692	6.1
Hot Springs	7	5.2	9	4.1	8	10.4	(D)	(D)	22	5.2	8 035	2.6

See footnotes at end of table.

[For meaning of abbreviations and symbols, see introductory text]

Livestock and poultry —Con.

Geographic area	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Johnson	20	5.2	27	3.8	13	6.7	137	11.6	94	1.6	107 946	.2
Laramie	20	7.7	279	4.4	38	4.1	20 226	.6	53	3.7	64 297	.2
Lincoln	70	2.1	3 371	1.0	22	7.0	869	6.2	56	3.6	30 933	.5
Natrona	11	5.8	176	5.7	20	7.4	630	14.0	76	2.4	103 184	.3
Niobrara	22	3.5	45	6.5	3	14.0	(D)	(D)	54	2.4	25 546	.9
Park	31	4.5	720	1.8	23	5.5	687	3.1	78	2.9	37 899	.6
Platte	41	3.2	761	2.0	22	6.3	2 744	6.2	34	4.4	(D)	(D)
Sheridan	29	5.0	354	4.0	18	6.5	115	6.7	75	3.2	15 879	2.4
Sublette	25	4.7	52	6.1	5	14.5	11	13.2	21	5.6	17 497	.4
Sweetwater	15	5.4	(D)	(D)	7	13.5	74	15.6	31	5.5	27 282	.9
Teton	8	8.7	(D)	(D)	–	–	–	–	5	9.8	(D)	(D)
Uinta	16	7.1	182	.9	17	7.6	166	24.9	74	2.7	43 260	.9
Washakie	6	9.5	8	9.1	9	10.2	439	19.1	55	2.8	41 600	.7
Weston	7	5.7	10	8.0	9	8.1	1 048	12.6	34	3.1	15 684	1.1

Livestock and poultry —Con.

Geographic area	Hens and pullets of laying age inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Wyoming	**511**	**1.4**	**24 984**	**7.7**	**8**	**12.9**	**382**	**9.9**
Albany	19	6.4	484	7.2	1	–	(D)	(D)
Big Horn	29	5.9	660	8.2	–	–	–	–
Campbell	46	4.2	1 327	5.8	–	–	–	–
Carbon	10	8.8	309	6.5	1	43.8	(D)	(D)
Converse	37	4.4	876	5.7	2	28.6	(D)	(D)
Crook	31	4.3	687	4.3	–	–	–	–
Fremont	38	5.3	700	6.7	–	–	–	–
Goshen	20	5.6	961	2.8	–	–	–	–
Hot Springs	8	7.8	170	7.6	–	–	–	–
Johnson	14	6.1	358	5.1	–	–	–	–
Laramie	27	5.7	581	10.4	2	24.5	(D)	(D)
Lincoln	27	5.8	1 454	13.9	1	40.5	(D)	(D)
Natrona	12	8.3	(D)	(D)	–	–	–	–
Niobrara	16	5.4	216	7.9	–	–	–	–
Park	45	4.3	13 116	14.5	–	–	–	–
Platte	33	4.6	700	4.5	–	–	–	–
Sheridan	33	5.4	657	6.0	–	–	–	–
Sublette	14	4.5	326	3.9	–	–	–	–
Sweetwater	12	8.8	336	13.8	–	–	–	–
Teton	4	12.4	(D)	(D)	–	–	–	–
Uinta	14	8.5	218	13.5	–	–	–	–
Washakie	6	10.9	157	15.3	–	–	–	–
Weston	16	6.2	518	4.4	1	34.3	(D)	(D)

Selected crops harvested

Geographic area	Corn for silage or green chop						Wheat for grain					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Wyoming	**390**	**.9**	**29 077**	**.4**	**482 859**	**.4**	**670**	**.8**	**211 312**	**.5**	**5 264 505**	**.4**
Albany	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Big Horn	60	2.0	3 744	1.1	68 415	1.0	25	4.5	1 725	2.1	102 062	1.4
Campbell	1	–	(D)	(D)	(D)	(D)	51	1.8	18 970	.3	364 359	.5
Carbon	1	–	(D)	(D)	(D)	(D)	3	12.7	2 657	5.0	44 898	4.1
Converse	13	–	1 394	–	20 890	–	7	6.1	2 034	17.4	48 848	14.9
Crook	3	–	126	–	700	–	70	2.2	10 625	.8	351 625	1.0
Fremont	60	2.6	4 317	1.5	70 084	1.7	7	5.6	462	2.4	27 878	2.1
Goshen	118	1.6	6 165	1.1	106 378	.9	128	1.6	40 850	1.1	896 056	1.0
Hot Springs	5	7.3	126	4.1	2 175	3.4	–	–	–	–	–	–
Johnson	3	11.5	192	7.7	3 050	7.9	3	–	(D)	(D)	(D)	(D)
Laramie	17	1.8	2 062	.4	33 119	.4	225	1.2	99 288	.6	2 547 307	.6
Lincoln	2	16.8	(D)	(D)	(D)	(D)	9	8.1	397	8.8	11 252	12.1
Natrona	6	–	659	–	11 269	–	1	–	(D)	(D)	(D)	(D)
Niobrara	1	–	(D)	(D)	(D)	(D)	21	3.6	3 961	4.0	79 891	7.2
Park	27	2.0	1 972	1.2	35 601	.7	22	3.6	1 502	1.9	98 608	2.0
Platte	47	2.5	5 793	.8	87 521	.7	42	2.9	20 564	1.2	413 497	.9
Sheridan	7	–	410	–	6 871	–	34	4.4	3 986	3.4	142 287	3.1
Sublette	–	–	–	–	–	–	–	–	–	–	–	–
Sweetwater	–	–	–	–	–	–	1	50.0	(D)	(D)	(D)	(D)

See footnotes at end of table.

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TSF:TIPS92-09425491.DAT;1 5/18/94 09:43:04 UTF:TIPS93-09425491.DAT;1 5/18/94 09:43:04 META:VOL1_TIPS96_APX_83.DAT;8 5/18/94 09:43:54

[For meaning of abbreviations and symbols, see introductory text]

Selected crops harvested

Geographic area	Corn for silage or green chop — Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Tons, green	Relative standard error of estimate (percent)	Wheat for grain — Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Bushels	Relative standard error of estimate (percent)
Teton	1	–	(D)	(D)	(D)	(D)	–	–	(D)	(D)	(D)	(D)
Uinta	–	–					1	–	(D)	(D)	(D)	(D)
Washakie	17	2.4	1 564	.8	31 600	.5	2	–	(D)	(D)	(D)	(D)
Weston	1	–	(D)	(D)	(D)	(D)	17	3.6	1 261	2.5	38 252	2.3

Selected crops harvested —Con.

Geographic area	Barley for grain — Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Bushels	Relative standard error of estimate (percent)	Dry edible beans, excluding dry limas — Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Hundredweight	Relative standard error of estimate (percent)
Wyoming	**857**	**.8**	**104 167**	**.4**	**8 178 366**	**.4**	**346**	**1.1**	**29 709**	**.8**	**517 834**	**.8**
Albany	2	–	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Big Horn	145	1.6	21 369	.9	1 802 742	.9	63	2.7	6 591	1.6	121 002	1.3
Campbell	29	3.1	2 119	1.7	68 408	1.1	–	–	–	–	–	–
Carbon	1	–	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Converse	8	–	1 126	–	45 220	–	–	–	–	–	–	–
Crook	41	2.8	2 374	2.2	80 300	2.3	–	–	–	–	–	–
Fremont	111	2.0	10 332	1.6	837 405	1.5	18	6.1	1 318	5.7	24 103	5.6
Goshen	7	5.6	264	1.9	18 576	1.7	118	1.8	7 658	1.1	137 638	1.2
Hot Springs	10	7.2	738	3.9	60 433	4.7	1	–	(D)	(D)	(D)	(D)
Johnson	2	–	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Laramie	11	2.7	870	.4	66 668	.3	22	3.0	2 459	3.1	44 456	2.2
Lincoln	180	1.5	14 590	1.4	778 469	1.4	–	–	–	–	–	–
Natrona	9	10.1	480	5.6	24 640	4.9	–	–	–	–	–	–
Niobrara	6	5.2	446	1.9	15 612	2.0	–	–	–	–	–	–
Park	173	1.3	29 358	.8	2 785 006	.8	90	2.0	8 713	1.8	144 677	1.7
Platte	5	7.0	421	3.8	26 440	2.0	19	4.5	1 666	2.3	(D)	(D)
Sheridan	41	3.3	2 146	2.4	133 483	2.4	–	–	–	–	–	–
Sublette	–	–	–	–	–	–	–	–	–	–	–	–
Sweetwater	3	22.0	175	6.7	(D)	(D)	–	–	–	–	–	–
Teton	5	9.9	2 027	1.3	149 500	1.4	–	–	–	–	–	–
Uinta	5	8.6	245	8.7	9 720	6.6	–	–	–	–	–	–
Washakie	63	1.7	14 864	.4	1 252 936	.1	15	3.2	(D)	(D)	25 751	1.1
Weston	–	–	–	–	–	–	–	–	–	–	–	–

Selected crops harvested —Con.

Geographic area	Sugar beets for sugar — Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Tons	Relative standard error of estimate (percent)	Hay —alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) — Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Tons, dry	Relative standard error of estimate (percent)
Wyoming	**497**	**.9**	**72 550**	**.3**	**1 451 023**	**.3**	**5 032**	**.6**	**1 017 562**	**.3**	**1 756 092**	**.3**
Albany	–	–	–	–	–	–	146	1.4	81 013	.6	76 300	.8
Big Horn	108	1.6	16 023	.6	347 218	.5	323	1.2	28 563	1.0	83 239	.9
Campbell	–	–	–	–	–	–	170	1.5	32 148	.9	25 656	1.0
Carbon	1	–	(D)	(D)	(D)	(D)	193	1.1	105 103	.4	141 492	.6
Converse	–	–	–	–	–	–	163	1.3	36 455	.6	67 877	.3
Crook	–	–	–	–	–	–	278	1.0	56 916	.5	47 996	.5
Fremont	26	3.0	4 306	1.1	88 561	1.2	625	1.0	79 523	.9	222 971	.8
Goshen	182	1.5	18 585	.8	311 097	.8	342	1.1	36 252	.7	111 091	.7
Hot Springs	1	–	(D)	(D)	(D)	(D)	92	1.6	18 085	1.2	38 608	1.9
Johnson	–	–	–	–	–	–	133	1.2	31 082	.4	70 385	.4
Laramie	7	4.9	(D)	(D)	(D)	(D)	206	1.3	40 400	.8	69 745	.8
Lincoln	–	–	–	–	–	–	378	1.0	73 465	.5	122 410	.6
Natrona	–	–	–	–	–	–	146	1.7	22 312	1.2	52 745	1.4
Niobrara	–	–	–	–	–	–	122	1.2	20 802	.9	26 327	.9
Park	93	1.5	17 451	.3	401 745	.3	375	1.0	36 877	.9	100 991	.8
Platte	26	3.9	3 913	2.1	65 668	2.2	229	1.1	40 790	.5	85 764	.5
Sheridan	–	–	–	–	–	–	369	1.1	56 069	.9	124 923	.8
Sublette	–	–	–	–	–	–	176	1.0	98 311	.4	100 430	.4
Sweetwater	–	–	–	–	–	–	96	2.1	22 065	1.9	32 720	2.3
Teton	–	–	–	–	–	–	56	2.8	11 743	2.1	26 446	2.2
Uinta	–	–	–	–	–	–	206	1.3	54 142	.7	68 366	.7
Washakie	53	1.7	11 327	.5	221 747	.5	117	1.2	13 747	1.1	38 749	1.0
Weston	–	–	–	–	–	–	91	1.6	21 699	.7	20 861	.6

[1]Data are based on a sample of farms.

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Table G. State Estimates of the Not on the Mail List Component of Farm Coverage Error: 1992

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	Census published farms Total (number)	Census published farms Relative standard error of estimate (percent)	Not on mail list [1] Total (number)	Not on mail list [1] Relative standard error of estimate (percent)	Percent not on mail list [1] Total (percent)	Percent not on mail list [1] Standard error of percent
Farms _____ number__	8 716	.6	876	33.5	9.1	3.2
Land in farms _____ acres __	32 876 071	.1	193 955	36.3	.6	.2
Average size of farm _____ acres __	3 771.9	.6	221.3	35.7	(X)	(X)
Farms by size:						
Less than 10 acres _____	449	1.8	108	69.0	19.4	10.8
10 to 49 acres _____	994	1.5	391	60.2	28.2	12.7
Less than 50 acres _____	1 443	1.3	500	50.1	25.7	10.0
50 acres or more _____	7 273	.5	377	45.9	4.9	2.3
50 to 99 acres _____	592	1.7	58	(H)	8.9	8.5
100 to 179 acres _____	764	1.5	88	74.5	10.4	6.9
180 acres or more _____	5 917	.5	230	62.0	3.7	2.4
Harvested cropland _____ farms __	5 735	.6	415	42.9	6.8	2.9
acres__	1 532 732	.2	34 420	45.4	2.2	1.0
Farms by value of sales:						
Less than $1,000 _____	930	1.3	555	39.4	37.4	9.2
$1,000 to $2,499 _____	601	1.7	18	75.2	3.0	2.2
Less than $2,500 _____	1 531	1.2	573	38.7	27.2	7.7
$2,500 or more _____	7 185	.6	303	41.4	4.0	1.6
$2,500 to $9,999 _____	1 668	1.2	119	78.7	6.7	4.9
$10,000 or more _____	5 517	.5	184	46.4	3.2	1.4
Market value of agricultural products sold ____$1,000 __	824 205	.1	13 375	46.7	1.6	.7
Farms by standard industrial classification:						
Crops (01) _____	2 054	.8	207	60.0	9.2	5.0
Livestock (02) _____	6 662	.6	669	33.9	9.1	3.3
Farms by type of organization:						
Individual or family _____	6 781	.6	864	33.9	11.3	3.8
Partnership or corporation _____	1 816	.6	(L)	(H)	(L)	(L)
Other _____	119	2.1	–	(X)	–	(X)
Farms by tenure of operator:						
Full owners _____	4 051	.8	692	34.2	14.6	5.0
Part owners and tenants _____	4 665	.5	172	59.5	3.6	2.1
Part owners _____	3 436	.5	6	91.5	.2	.2
Tenants _____	1 229	.9	166	61.6	11.9	6.5
Operators by place of residence:						
On farm operated _____	6 500	.6	628	35.1	8.8	3.3
Not on farm operated _____	1 665	.9	19	61.8	1.1	.7
Not reported _____	551	1.2	229	52.1	29.4	10.8
Operators by principal occupation:						
Farming _____	5 612	.5	139	55.4	2.4	1.3
Other _____	3 104	1.0	422	39.4	12.0	4.6
Operators by sex:						
Male _____	7 922	.6	743	36.6	8.6	3.2
Female _____	794	1.2	133	74.0	14.4	9.0
Operators by race:						
White _____	8 603	.6	562	33.6	6.1	2.1
Black and other races _____	113	2.8	–	(X)	–	(X)
Operators by years on present farm:						
4 years or less _____	1 174	1.2	140	56.6	10.7	5.6
5 years or more _____	6 352	.6	292	52.3	4.4	2.4
Average years on present farm ___	19.1	.8	14.2	57.2	(X)	(X)
Not reported _____	1 190	.9	444	39.4	27.2	8.6
Average age of operator _____	53.4	.8	46.7	33.7	(X)	(X)

Note: These estimates do not account for incorrectly classified farms or farms appearing more than once in the census and are subject to change in the 1992 Coverage Evaluation publication. See appendix C text for further explanation.

[1]Estimates are based on a sample survey conducted independently of census data collection.

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