Appendix C.
Statistical Methodology

THE SCREENING PHASE AND THE MAIL LIST MODEL

The 1997 Census of Agriculture featured a pre-census screening phase that surveyed selected records, by mail or telephone, for presence or absence of agricultural activity. Records selected for screening had a low probability of qualifying as farms. All records responding to the screener and reporting no agricultural activity were removed from the census mail list. Eliminating nonfarm records from the mail list reduced respondent burden and data collection costs.

The screening phase included nearly 500,000 records. Records were selected for screening using one of the following criteria:

1) Records on selected agriculture specialty lists that had no other list source,

2) Records identified by a mail list model as having a low probability of being a farm.

A mail list model predicted the probability that an addressee on the 1997 preliminary census mail list operated a farm. The model defined groups based on combinations of characteristics such as source(s) of the mail list record, expected value of agricultural production, and geographic location. Farm proportions were estimated for these groups by calculating the proportion of 1992 census respondent records that were farms which exhibited the characteristics defined by the group. This proportion, also called the in-scope rate, provided an estimate of the probability that an addressee in the group operated a farm.

Each address record on the 1997 preliminary census 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. Records with a farm probability of approximately 30 percent or less were selected for screening, along with records included on selected agriculture specialty lists as noted above.

Before screening, the preliminary census mail list consisted of 3,314,790 records. There were 478,298 records selected for screening. Of these, 125,570 records were determined to be nonfarms as a result of the screening phase and were removed. These records were removed from the final census mail list. The remaining 3,189,220 records received census report forms.

CENSUS SAMPLE DESIGN

All name and address records on the final census mail list were designated to receive a 1997 Census of Agriculture report form. Two different types of census report forms, sample and nonsample, were used to collect data. Sections 1 through 20 and 28 through 32 of the sample form were identical to sections on the nonsample census form. Sample form sections 21 through 27 contained additional questions on usage of fertilizers and chemicals, farm production expenditures, value of machinery and equipment, value of land and buildings, farm-related income, and hired workers. There were 11 regional versions of the nonsample form and 13 regional versions of the sample form with listings of crops varying by region. These 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. Mail list records were selected into the sample with certainty if they (1) were expected to have large total value of agricultural products sold or large acreage, (2) were multi-unit operations (i.e., separate farms producing under one company organization), (3) were in a county with less than 100 farms in 1992, or (4) had other special characteristics. Farms with special characteristics were abnormal farms, such as institutional farms, experimental and research farms, and Indian reservations. Mail list records in counties containing 100 to 199 farms in 1992 were systematically sampled at a rate of 1 in 2; records in counties containing 200 to 299 farms in 1992 were systematically sampled at a rate of 1 in 4; and records in counties containing 300 or more farms in 1992 were systematically sampled at a rate of 1 in 6. The remaining mail list records not chosen to receive the sample form received the nonsample census form. This differential sampling scheme was used to provide reliable data for the sample sections of the report form for all counties.

EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

The census of agriculture complex edit and imputation system is an automated computerized system that performed the following functions:

- Ensured reasonable relationships between/among data items, values for various sizes of farms, combinations of commodities, and economic interactions.
- Ensured necessary consistencies were present (there were more than 70 distinct consistency requirements).
- Ensured climatic, geographic, legal, and physical constraints were met.

The system performed these and similar functions for more than 900 data key codes for sample records and approximately 850 data key codes for nonsample records.

For the 1997 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 for that record 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 fixed 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 was 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 Classifications 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 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 the same 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. An edit run usually consisted of 10,000 or more records.

After the initial computer edit, all keyed reports not meeting the census farm definition were reviewed to ensure that the data had been keyed correctly. Edit referrals were generated for 17 percent of the reports included as farms; they were reviewed for keying accuracy and 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 re-edited.

CENSUS ESTIMATION

The 1997 Census of Agriculture used two types of statistical estimation procedures to account for whole farm nonresponse and sample data collection. The procedures were necessary because some farm operators did not respond to the census despite numerous attempts to contact them, and estimates for certain data items were based on a sample of farm operators rather than a full enumeration.

Whole Farm Nonresponse Estimation

Whole farm nonresponse to the census occurred when a response was never received for a record. If the record was a large farm, as defined by value of production or acreage, or a unique farm operation, intensive telephone or personal followup was conducted during census processing to obtain a response. If these attempts failed, either the NASS survey database, the census historic database, or other more current sources were used to impute data for the record.

During mail list development, the State Statistical Offices (SSOs), in an effort to reduce respondent burden, identified records that participated in multiple NASS surveys and/or situations where there were special reporting relationships between an enumerator and a respondent. These records were referred to as tagged records. The SSOs had full responsibility for the data collection for these records, including imputation of data for the record if a response was not obtainable.

Whole farm nonresponse that occurred within the remaining universe of records was accounted for by a statistical weighting procedure. The weights of the responding farms were adjusted to account for farms that did not respond. The information needed for this process was obtained from the 1997 Nonresponse Survey. The SSOs conducted the nonresponse survey using computer-assisted telephone interviewing (Blaise-CATI) or personal enumeration when

telephone contact was not possible. Alaska and Rhode Island were not eligible for the survey because all nonrespondents were subject to extensive followup. In these cases, data were collected by telephone or other methods. The nonresponse survey collected information from a sample of census nonrespondents to determine farm status and estimate the proportion of farms in the nonresponse universe. The information was then used to estimate the number of nonresponding farm operations by State and county.

The 1997 Nonresponse Survey consisted of a stratified systematic sample of the nonresponse records within each State. The sample was selected near the end of the census follow-up operations. Five strata were defined to be homogeneous on probability of farm status and were based on screener status, total value produced, and list source(s) of the mail list record.

Based on survey results, estimates of the proportion of census nonrespondents operating farms were made for each stratum in the State. The estimates were applied to the total number of census nonrespondents in that stratum, providing a State estimate of the number of census nonrespondents that operated farms. The number of census nonrespondents that operated farms was then derived for each county by stratum. This estimation procedure assumed that the distribution of farms in a stratum by county was the same for census nonrespondents as for census respondents.

Within each stratum in a county, a noninteger nonresponse weight was calculated and assigned to each eligible respondent farm record. Census respondent farms that were designated as large farms or tagged records or as farms that exhibited ''rare'' commodities were ineligible to represent nonrespondent farms and were excluded from the nonresponse weighting procedure. These records were assigned nonresponse weights of 1.0.

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, divided by the number of eligible census respondent farms. Stratum controls were established to ensure that this weight never exceeded 2.0. For the published tabulations of the complete count items, the noninteger nonresponse weight was randomly rounded to an integer weight of either 1 or 2 for each record. For the sample count items, the noninteger nonresponse weight was used in the calculation of the final sample weight.

Tables A and B quantify the effect of the nonresponse estimation procedure on selected census data items. The percentages in these tables are 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 this item nonresponse is discussed in the ''Census Nonsampling Error'' section.

Sample Estimation

Sample data estimation determined the population totals that would have resulted from a complete census for the items in sections 21 through 27 of the sample form. The estimates were obtained from a weighting procedure that assigned 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.

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 were multiplied by 6.

The noninteger sample weight is calculated for each respondent sample farm by multiplying the noninteger nonrespondent weight by the sampling factor. For published tabulations of the sample count items, the noninteger sample weight was randomly rounded to an integer weight for each record. For certainty farms, the sampling factor equals 1 so the sample weight is just equal to the nonresponse weight. Sampling factor calculation for non-certainty farms is described below.

Within a county, the weighting procedure for non-certainty farms was performed in three steps using three variables. The first variable contained eight 1997 total value of agricultural production (TVP) groups. The second and third variables, Standard Industrial Classification (SIC) code and farm acreage, contained two groups. The three sets of groups were:

TVP	SIC	Acres
$1 to $999	01, 08 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 classified the sample records into 32 mutually exclusive initial strata formed by the three variable groups. The total and sample farm counts were expanded to account for nonresponse. Each cell containing sample farm records was assigned an initial sample factor equal to the ratio of the total farm count to the sample farm count. This factor was approximately equal to the inverse of the probability of selecting a farm for the census sample.

The second step in the estimation procedure combined, when necessary, the 32 initial strata to increase the reliability of the weighting procedure. Any stratum that contained less than 10 sample farms or had a factor greater than twice the mail sample rate was collapsed with another stratum. The mail sample rate was either 2, 4, or 6,

depending on whether the county had a 1 in 2, 1 in 4, or 1 in 6 sample selection rate. The collapsing occurred within the 32 initial 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 final strata and used to calculate final sample factors.

The final step calculated the noninteger sample weight as the product of the final sampling factor and the noninteger nonresponse weight. As described previously, the noninteger sample weight for each record is randomly rounded to an integer weight which is used in published tabulations. For example, if the final weight for a farm was 7.2, then the record would be rounded to either 7 or 8.

CENSUS SAMPLING ERROR

The sample for the 1997 Census of Agriculture was only one of a large number of possible samples of the same size that could have been selected using the same sample design. In this context, ''sample'' refers to the sample for both the nonresponse survey and the selection of farms to receive sample forms.

The standard error, or sampling error, of a survey estimate is a measure of the variation among the estimates from all possible samples. It is a measure of precision - that is, how well an estimate from a particular sample approximates the true population parameter. The percent relative standard error of an estimate is defined as the standard error of the estimate divided by the value of the estimate, then multiplied by 100. The true population parameter can be defined or conceptualized several different ways. One way is to think of the true population parameter as the average result of all possible samples (selected using a given sample design). A second way is to think of the true population parameter as the figure obtained from carrying out a complete enumeration of the population.

If all possible samples were selected, each of the samples surveyed under essentially the same conditions, and an estimate and its standard error 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 true population parameter.
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 true population parameter.

The following example illustrates the computations necessary to produce a confidence statement 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 0.1 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 true population parameter. 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. All farm operators were asked the complete count items. 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.

Only a sample of farm operators were asked the sample count items. These items appeared only in sections 21 through 27 of the sample 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, farm-related income, and hired workers.

Variability in the estimates of complete count items was due only to the nonresponse survey estimation procedure. With regard to the estimates of sample count items, variability was due to both the nonresponse survey estimation procedure and the census sample selection and estimation procedure. Therefore, variability in the sample count item estimates tends to be larger than the variability in the complete count item estimates. Percent relative standard error is a common measure of variability.

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

Table E presents the standard error for percent change in U.S. totals from 1992 to 1997. 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 1997 and the 1992 estimate for that characteristic to the 1992 estimate. This ratio is multiplied by 100 to obtain the percent change. The standard error of a percent change estimate is the standard error of the ratio multiplied by 100.

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

The farm counts and related estimates displayed in tables A through F relate to unadjusted census totals. These totals are the same as the ''Census total'' displayed in the first column of table G (which will be discussed later in this appendix).

For most of the tables in this appendix, and also many of the tables throughout the publication, there is a footnote that reads ''Data are based on a sample of farms.'' The table entries that this footnote relate to are estimates of totals. To illustrate, suppose that the entry ''other farm-related income'' is shown with this footnote and has some number of farms given. This number given would represent an estimated total number of farms with ''other farm-related income,'' based on the farms that were in the sample. This number should not be interpreted as the number of farms in the sample that have ''other farm-related income.''

CENSUS NONSAMPLING ERROR

The accuracy of the census counts is 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. Nonsampling errors arise from many sources, including respondent or enumerator error or incorrect data keying, editing, or imputing for missing data. These nonsampling errors are further discussed in this section. Nonsampling error due to mail list incompleteness and duplication as well as misclassification of records on the mail list is called coverage error. The section titled ''Coverage Evaluation'' discusses the evaluation studies conducted to measure the extent of this error in the census.

Respondent and Enumerator Error

Incorrect or incomplete responses to the census report form or to the questions posed by an enumerator can introduce error into the census data. To reduce reporting error, detailed instructions for completing the report form were provided to each respondent. Questions were phrased as clearly as possible based on previous tests of the report form. In addition, each respondent's answers were checked for completeness and consistency by the complex edit and imputation system.

Item Nonresponse

As information flowed from data collection to tabulation, various types of item nonresponses were identified on the census report forms. Nonresponse to particular questions on the census report form that logically should have been present created a type of nonsampling error in both complete count and sample count data. In this case, information from a similar farm was used to impute for these missing data items. The resulting data may have been biased if the characteristics of the nonreporting respondents were different from those of reporting respondents for those items.

Processing Error

All phases of processing for each census report form were potential sources for the introduction of nonsampling error. An automated check-in recorded that the report had been returned and excluded from further followup mailings. Approximately one-third of the mail returns were reviewed to resolve questions dealing with multiple reports, respondent remarks, or no reported data. The remaining mail returns (about two-thirds) were batched and sent directly to data keying, along with some of the reviewed cases containing farm data. Keyed records were transmitted, formatted, and run through the complex edit and imputation system. About one-fifth of all forms edited were clerically reviewed for inconsistencies, omissions, or questionable values. While reviewing these forms, the edit review staff determined if the action taken by the computer edit and imputation system was correct. Edited records were tabulated to the county level. Each county was reviewed and, when necessary, individual records were corrected prior to publication.

Developing accurate processing methods is complicated by the complex structure of agriculture. Among the complexities are the many places to be included, the variety of arrangements under which farms are operated, the continuing changes in the relationship of operators to the farm operated, the expiration of leases and the initiation or renewal of leases, the problem of obtaining a complete list of agriculture operations, the difficulty of contacting and identifying some types of contractor/contractee relationships, the operator's absence from the farm during the data collection period, and the operator's opinion that part or all of the operation does not qualify and should not be included in the census. During data collection and processing of the census, all operations underwent a number of quality control checks to ensure as accurate an application as possible.

COVERAGE EVALUATION

Coverage Overview

The primary objectives of the census of agriculture are to accurately count U.S. farms, measure commodity production and sales, and measure demographic characteristics of farm operators. Since 1945, an evaluation of census coverage has been conducted for each census of agriculture to provide estimates of the completeness of census farm counts. These results help to identify problems and focus improvements for future censuses.

According to coverage evaluation results, the past five censuses of agriculture included an average of 92 percent of U.S. farms and 98 percent of agriculture production. Complete enumeration of agricultural operations satisfying the farm definition of $1,000 or more in agricultural sales is complicated by the variety of arrangements under which farms are operated, the multiplicity of names used for an operation, the number of operations in which an operator participates, and the difficulty in classifying those operations just around the $1,000 sales range. In 1997, extensive efforts were made to compile as complete and accurate a mail list as possible, while reducing the duplication and number of nonfarm operations on the list.

The 1997 coverage evaluation program was designed to measure four components of error in the census farm counts. These components include:

1. Undercount due to farms Not on the Mail List (NML)
2. Overcount due to farms Duplicated or enumerated more than once (DUP)
3. Undercount due to farms Incorrectly Classified as nonfarms (ICU)
4. Overcount due to nonfarms Incorrectly Classified as farms (ICO).

The first component, mail list undercount, is by far the largest component of coverage error. Duplication, though occurring far less frequently, can involve larger farms and have a larger impact on acreage and sales estimates. The last two components involve the misclassification of either farms or nonfarms. Misclassification can arise from errors in either reporting or processing the data.

Table G - Coverage Estimates - illustrates the effect of coverage adjustments on census farm counts by demographic characteristics, land in farms, and total value of sales. The coverage total is defined as the net difference between undercounted and overcounted farms. The adjusted census total is the sum of the census total and the net coverage total. The relative standard error is shown for the final census coverage adjusted number. This number will be similar to the relative standard error for the census number, except when the coverage total is negative or close to zero. The coverage adjustment percentage shows the coverage total as a percentage of total census adjusted farms for that characteristic.

The 1997 Census of Agriculture is the first census to include all four components of coverage error in table G. Previous publications only included the coverage error component due to farms not on the mail list (NML). Because of this, caution should be taken when comparing coverage estimates from table G with previous years. In addition, the coverage total is a negative number for some characteristics. This means that the number of farms overcounted for this characteristic was greater than the number of farms undercounted.

Area Frame Surveys to Measure Mail List Undercoverage

Names and addresses collected in the 1997 June Agricultural Survey and 1997 Fall Area Survey were used to estimate the undercount due to farms not on the census mail list (NML). These names were matched to the census mail list, and those that did not match were contacted by telephone or person. The enumerator verified whether the operation had reported in the census, and if not, a census of agriculture report form was completed.

The percentage of farms missed in the census varies considerably by State. In general, farms not on the mail list tended to be small in acreage, production, and sales of agricultural products. Farm operations could be missed for various reasons, including the possibility that the operation started after the mail list was developed, the operation may be so small as not to appear in any agriculture-related source lists, or the operation may have been falsely classified as a nonfarm prior to mailout.

Classification Error Survey to Measure Three Types of Coverage Error

The remaining three types of coverage error were measured by the Classification Error Survey. This survey was used to estimate the number of farms counted more than once (DUP), the number of farms misclassified as nonfarms (ICU), and the number of nonfarms misclassified as farms (ICO). A sample of census of agriculture respondents was selected for reinterview to determine their farm/nonfarm status and collect information to identify potential duplication. The farm classification from this interview was compared with the classification on the census of agriculture report form. Any differences between these two classifications were reconciled to determine the true farm status. Each operation was reviewed for duplication by matching the additional information received from the reinterview (landlords, tenants, other names, etc.) to the list of census respondents. Potential duplication was reviewed and discrepancies reconciled.

In general, the classification error rate is higher for small farms close to the $1,000 agricultural sales requirement. This rate is also higher for farms with small acreage (less than 49 acres), higher for tenant farms than for full- or part-owner farms, and higher for farms where farming is not the operator's principal occupation.

Coverage Estimation

The adjusted census total, T, is estimated as the census farm count, C, plus undercount and minus overcount adjustments. Undercount includes 1) farms not on the mail list (NML) and 2) farms incorrectly classified as nonfarms (ICU). Overcount includes 3) nonfarms incorrectly classified as farms (ICO) and 4) farms duplicated in the census (DUP). Altogether, the adjusted census total is:

$$T = C + (NML + ICU) - (ICO + DUP).$$

In some States, estimates of misclassification of farms owned by operators having rare demographic characteristics were based on particularly small sample sizes. Where such small sample sizes occurred, a form of small area estimation was used in which data from similar States contributed to that State's estimates. In these cases, the coverage totals are weighted totals of the direct State estimate and the direct estimate from the region. Direct estimates were used to the largest extent possible, based on the amount of survey cases available for the particular item being estimated.

Table A. **Percent of U.S. Totals Contributed by Whole Farm Nonresponse Estimation: 1997**

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

Item	All farms		Farms with sales of $10,000 or more	
	Total (number)	Whole farm nonresponse estimation (percent)	Total (number)	Whole farm nonresponse estimation (percent)
Farms ..... number	1 911 859	12.2	948 893	11.0
Land in farms ..... acres	931 795 255	6.4	802 346 288	5.5
Market value of agricultural products sold ..... farms	1 911 859	10.9	948 893	11.0
$1,000	196 864 649	3.4	193 927 809	3.3
Crops, including nursery and greenhouse crops ..... farms	1 037 036	11.6	707 556	11.0
$1,000	98 055 656	4.1	97 014 525	4.1
Livestock, poultry, and their products ..... farms	1 176 054	12.0	606 320	10.8
$1,000	98 808 993	2.8	96 913 284	2.5
Poultry and poultry products ..... farms	63 246	8.5	40 431	5.7
$1,000	22 262 596	.5	22 246 305	.5
Selected farm production expenses[1]:				
Livestock and poultry purchased ..... farms	556 980	11.2	346 780	9.9
$1,000	21 614 559	1.8	21 185 486	1.5
Feed for livestock and poultry ..... farms	1 021 849	11.9	541 598	10.7
$1,000	32 759 966	1.8	32 169 065	1.6
Seeds, bulbs, plants, and trees ..... farms	896 339	11.4	662 646	10.8
$1,000	5 725 869	5.0	5 632 662	4.9
Commercial fertilizer ..... farms	1 190 733	11.6	754 108	10.9
$1,000	9 597 128	5.5	9 219 318	5.2
Hired farm labor ..... farms	650 623	10.2	473 967	9.1
$1,000	14 841 036	1.8	14 698 474	1.7
Petroleum products ..... farms	1 760 642	12.0	927 608	11.0
$1,000	6 371 515	5.8	5 917 262	5.3
Interest ..... farms	810 476	10.8	574 680	9.8
$1,000	8 928 107	5.1	8 308 435	4.5
Total cropland ..... farms	1 661 395	12.0	884 465	11.0
acres	431 144 896	7.5	382 622 706	6.7
Harvested cropland ..... farms	1 410 606	11.7	845 204	10.9
acres	309 395 475	6.4	294 874 241	6.1
Irrigated land ..... farms	279 442	10.7	190 653	9.7
acres	55 058 128	4.6	53 455 455	4.4
Estimated market value of land and buildings[1] $1,000	859 839 242	7.5	682 773 777	6.2
Estimated market value of all machinery and equipment[1] ..... farms	1 911 601	12.2	947 053	11.0
$1,000	110 256 802	8.1	89 431 563	6.9
Livestock and poultry inventory:				
Cattle and calves ..... farms	1 046 863	12.1	523 849	11.0
number	98 989 244	6.7	87 006 751	5.9
Hogs and pigs ..... farms	109 754	10.9	76 413	9.8
number	61 206 236	2.6	60 720 537	2.5
Layers 20 weeks old and older ..... farms	69 761	12.4	24 029	11.2
number	313 851 480	1.3	312 628 058	1.3
Livestock and poultry sales:				
Cattle and calves ..... farms	1 011 809	12.0	530 481	11.0
number	74 089 046	4.7	69 291 341	4.1
Hogs and pigs ..... farms	102 106	10.7	77 328	9.8
number	142 611 882	2.2	142 088 754	2.1
Broilers and other meat-type chickens ..... farms	23 937	4.2	20 827	2.8
number	6 741 927 110	.4	6 736 903 105	.4
Selected crops harvested:				
Corn for grain or seed ..... farms	430 711	11.2	374 655	11.0
acres	69 796 716	7.1	69 036 120	7.0
bushels	8 578 634 770	6.8	8 517 750 600	6.7
Wheat for grain ..... farms	243 568	10.1	218 675	9.7
acres	58 836 344	5.2	57 983 737	5.0
bushels	2 204 026 684	4.7	2 180 839 075	4.6
Sorghum for grain or seed ..... farms	49 397	10.5	45 348	10.1
acres	8 470 353	6.0	8 352 412	5.9
bushels	559 070 136	5.9	553 658 575	5.8
Soybeans for beans ..... farms	354 692	11.2	317 386	10.9
acres	66 147 726	6.7	65 351 069	6.6
bushels	2 504 307 294	6.6	2 482 517 552	6.6
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ..... farms	888 597	11.7	482 703	10.9
acres	60 799 788	9.0	49 745 283	8.2
Vegetables harvested for sale (see text) ..... farms	53 727	10.0	37 903	8.8
acres	3 773 219	2.2	3 729 935	2.1
Land in orchards ..... farms	106 069	11.8	51 259	10.2
acres	5 158 064	4.6	4 717 992	3.8

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

Table B. Percent of U.S. and State Totals Contributed by Whole Farm Nonresponse Estimation: 1997

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

Geographic area	Farms (number)	Land in farms (acres)	Estimated market value of land and buildings[1] ($1,000)	Market value of agricultural products sold ($1,000)	Harvested cropland (acres)	Corn for grain or seed (acres)	Wheat for grain (acres)	Cattle and calves inventory (number)	Hogs and pigs inventory (number)	Layers 20 weeks old and older (number)
United States	**12.19**	**6.37**	**7.50**	**3.45**	**6.41**	**7.05**	**5.17**	**6.71**	**2.59**	**1.29**
Alabama	10.9	7.8	7.7	1.3	5.2	4.0	3.5	8.1	2.8	3.0
Alaska	–	–	–	–	–	–	–	–	–	–
Arizona	10.0	.8	1.6	.5	.9	1.7	.3	2.0	.1	.5
Arkansas	9.0	5.1	5.1	1.5	3.0	2.0	2.1	7.1	1.7	5.0
California	11.5	5.4	4.6	1.6	3.2	2.1	2.6	2.8	2.1	.2
Colorado	11.0	6.1	6.2	1.8	5.3	2.8	4.7	4.2	.7	.1
Connecticut	11.2	7.0	8.1	1.1	4.7	2.4	–	3.3	3.9	–
Delaware	11.5	5.5	5.5	1.4	4.7	4.8	4.7	4.9	1.7	2.0
Florida	12.8	4.1	5.0	1.5	3.2	8.0	3.7	5.3	8.2	.3
Georgia	13.5	8.3	8.7	1.9	5.1	6.3	4.6	9.1	4.3	3.3
Hawaii	14.4	1.3	5.4	2.0	2.5	–	–	2.4	10.8	.1
Idaho	9.4	4.8	5.0	1.6	3.3	4.0	2.6	3.9	4.9	.2
Illinois	14.6	9.9	9.5	7.6	9.1	8.8	10.6	11.3	4.2	.8
Indiana	10.6	6.6	6.4	4.2	5.7	5.4	5.7	7.8	2.7	.2
Iowa	11.5	8.9	8.6	5.8	8.0	7.7	8.0	7.9	3.0	.4
Kansas	11.0	6.5	6.7	2.5	5.7	3.1	5.8	3.9	2.3	1.1
Kentucky	12.7	9.5	9.1	5.5	6.9	3.6	2.3	9.6	2.1	1.8
Louisiana	9.8	4.7	5.5	2.1	3.0	1.5	2.5	7.4	2.2	1.9
Maine	11.3	6.8	7.8	1.7	4.4	.1	5.1	4.4	8.4	–
Maryland	11.4	6.3	7.7	2.5	4.8	3.4	4.1	5.4	2.4	1.7
Massachusetts	14.3	9.8	10.6	3.1	8.0	6.3	–	6.5	12.6	2.3
Michigan	8.6	5.3	5.8	2.8	4.4	3.6	4.8	4.1	1.9	.1
Minnesota	13.1	9.2	8.6	5.6	7.8	8.0	5.0	10.3	2.7	.5
Mississippi	10.7	6.3	7.0	1.4	2.9	2.1	1.5	8.3	1.0	4.0
Missouri	13.2	9.8	9.4	4.8	7.5	5.7	6.0	10.4	1.8	2.9
Montana	11.6	5.0	5.9	4.3	4.5	4.2	3.8	5.6	1.9	.8
Nebraska	18.6	10.9	12.5	6.8	12.3	12.2	12.0	7.7	6.5	.4
Nevada	12.1	1.5	3.8	1.6	2.7	15.2	.4	2.5	1.4	12.2
New Hampshire	11.0	8.2	8.5	1.9	6.9	.2	–	3.5	3.8	.5
New Jersey	12.7	6.1	7.1	1.6	4.5	3.7	3.5	5.5	4.4	.5
New Mexico	11.5	2.5	4.8	1.1	3.3	1.0	2.4	2.8	4.1	.1
New York	8.9	6.2	6.6	3.1	5.0	2.9	1.9	4.7	4.2	.2
North Carolina	11.8	7.1	7.7	2.1	5.2	4.8	4.6	8.5	.2	5.8
North Dakota	14.5	7.9	6.7	5.1	5.7	2.7	5.5	10.5	5.5	1.7
Ohio	10.9	7.9	7.9	5.1	7.1	6.5	7.2	7.8	3.6	.1
Oklahoma	15.1	8.7	9.8	3.5	7.7	1.7	6.8	7.7	.5	2.9
Oregon	10.5	5.3	6.8	2.5	4.1	2.2	2.9	6.0	7.4	.2
Pennsylvania	11.9	9.5	9.4	4.9	8.6	7.5	7.6	8.4	2.6	.7
Rhode Island	–	–	–	–	–	–	–	–	–	–
South Carolina	8.7	5.2	5.5	.9	2.7	2.6	1.6	6.2	1.0	–
South Dakota	9.4	4.3	5.3	3.9	4.7	5.0	3.2	5.2	3.3	.1
Tennessee	14.1	9.6	10.7	4.2	6.1	2.9	2.5	10.2	1.6	2.1
Texas	14.8	6.4	9.3	2.7	6.0	2.5	5.4	7.1	3.2	1.0
Utah	10.4	2.9	5.8	2.8	6.1	5.2	3.8	5.7	.5	.1
Vermont	11.6	8.0	8.4	3.4	5.8	.1	8.0	4.6	7.0	1.0
Virginia	10.4	6.9	7.3	2.3	5.3	3.2	3.2	6.9	1.0	1.3
Washington	7.2	2.9	3.7	1.2	2.7	1.2	2.6	2.7	5.3	.2
West Virginia	7.1	5.7	5.9	2.2	5.6	2.9	2.8	5.6	3.2	5.8
Wisconsin	11.8	9.4	8.7	6.5	8.4	7.5	6.9	8.9	5.3	.4
Wyoming	9.6	2.6	4.4	2.8	4.9	3.0	4.3	3.7	.6	9.6

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

Table C. **Reliability Estimates of U.S. Totals for All Farms: 1997**

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

Item	Total	Relative standard error of estimate (percent)
FARMS AND LAND IN FARMS		
Farms ..... number..	1 911 859	.12
Land in farms ..... acres..	931 795 255	.09
Average size of farm ..... acres..	487	.15
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ..... farms..	1 911 859	.12
$1,000..	196 864 649	.05
Average per farm ..... dollars..	102 970	.13
Farms by value of sales:		
Less than $1,000 (see text) ..... farms..	277 248	.17
$1,000..	57 828	.21
$1,000 to $2,499 ..... farms..	219 266	.17
$1,000..	365 974	.17
$2,500 to $4,999 ..... farms..	228 477	.15
$1,000..	820 428	.15
$5,000 to $9,999 ..... farms..	237 975	.14
$1,000..	1 692 611	.14
$10,000 to $19,999 ..... farms..	212 120	.16
$1,000..	2 997 619	.16
$20,000 to $24,999 ..... farms..	61 920	.21
$1,000..	1 374 779	.21
$25,000 to $39,999 ..... farms..	117 196	.20
$1,000..	3 702 805	.20
$40,000 to $49,999 ..... farms..	53 509	.24
$1,000..	2 381 500	.24
$50,000 to $99,999 ..... farms..	158 160	.22
$1,000..	11 346 504	.22
$100,000 to $249,999 ..... farms..	189 417	.19
$1,000..	30 143 329	.19
$250,000 to $499,999 ..... farms..	87 777	.07
$1,000..	30 505 216	.06
$500,000 or more ..... farms..	68 794	–
$1,000..	111 476 056	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops .... farms..	1 037 036	.13
$1,000..	98 055 656	.07
Grains ..... farms..	589 379	.17
$1,000..	46 617 111	.13
Corn for grain ..... farms..	359 666	.22
$1,000..	18 884 767	.17
Wheat ..... farms..	241 334	.18
$1,000..	7 173 922	.12
Soybeans ..... farms..	353 566	.21
$1,000..	15 622 419	.16
Sorghum for grain ..... farms..	44 955	.40
$1,000..	1 140 048	.25
Barley ..... farms..	30 598	.27
$1,000..	709 602	.15
Oats ..... farms..	38 940	.27
$1,000..	121 278	.26
Other grains ..... farms..	43 901	.21
$1,000..	2 965 074	.12
Cotton and cottonseed ..... farms..	31 456	.25
$1,000..	5 975 478	.07
Tobacco ..... farms..	89 544	.36
$1,000..	2 924 710	.22
Hay, silage, and field seeds ..... farms..	354 523	.12
$1,000..	4 670 487	.10
Vegetables, sweet corn, and melons ..... farms..	53 641	.16
$1,000..	8 401 697	.03
Fruits, nuts, and berries ..... farms..	85 973	.25
$1,000..	12 660 262	.12
Nursery and greenhouse crops ..... farms..	67 816	.17
$1,000..	10 942 816	.05
Other crops ..... farms..	38 095	.17
$1,000..	5 863 096	.04
Livestock, poultry, and their products ..... farms..	1 176 054	.12
$1,000..	98 808 993	.04
Poultry and poultry products ..... farms..	63 246	.12
$1,000..	22 262 596	.02
Dairy products ..... farms..	99 238	.33
$1,000..	18 997 334	.14
Cattle and calves ..... farms..	1 011 809	.13
$1,000..	40 524 836	.05
Hogs and pigs ..... farms..	102 106	.17
$1,000..	13 804 835	.06
Sheep, lambs, and wool ..... farms..	62 579	.16
$1,000..	682 916	.11
Other livestock and livestock products (see text) ..... farms..	123 695	.15
$1,000..	2 536 476	.10
Value of agricultural products sold directly to individuals for human consumption (see text) ..... farms..	93 140	.14
$1,000..	550 947	.16

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ..... farms..	1 911 766	.12
$1,000..	150 590 993	.06
Average per farm ..... dollars..	78 771	.13
Livestock and poultry purchased ..... farms..	556 980	.27
$1,000..	21 614 559	.09
Feed for livestock and poultry ..... farms..	1 021 849	.19
$1,000..	32 759 966	.07
Commercially mixed formula feeds ..... farms..	616 280	.25
$1,000..	21 236 173	.08
Seeds, bulbs, plants, and trees ..... farms..	896 339	.19
$1,000..	5 725 869	.16
Commercial fertilizer ..... farms..	1 190 733	.16
$1,000..	9 597 128	.15
Agricultural chemicals ..... farms..	941 136	.19
$1,000..	7 581 424	.15
Petroleum products ..... farms..	1 760 642	.13
$1,000..	6 371 515	.12
Electricity ..... farms..	1 224 374	.17
$1,000..	2 751 085	.14
Hired farm labor ..... farms..	650 623	.23
$1,000..	14 841 036	.09
Contract labor ..... farms..	226 909	.42
$1,000..	2 959 005	.27
Repair and maintenance ..... farms..	1 538 058	.14
$1,000..	8 637 742	.14
Customwork, machine hire, and rental of machinery and equipment ..... farms..	597 624	.26
$1,000..	3 210 309	.25
Interest ..... farms..	810 476	.21
$1,000..	8 928 107	.17
Secured by real estate ..... farms..	569 775	.26
$1,000..	5 449 597	.22
Not secured by real estate ..... farms..	461 326	.29
$1,000..	3 478 510	.19
Cash rent ..... farms..	485 512	.27
$1,000..	6 915 677	.23
Property taxes ..... farms..	1 771 787	.13
$1,000..	3 920 133	.18
All other farm production expenses ..... farms..	1 689 391	.13
$1,000..	14 777 437	.10
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]		
All farms ..... number..	1 911 824	.12
$1,000..	42 557 871	.15
Average per farm ..... dollars..	22 260	.19
Farms with net gains[2] ..... number..	985 718	.18
$1,000..	50 563 718	.12
Average net gain ..... dollars..	51 296	.21
Farms with net losses ..... number..	926 106	.19
$1,000..	8 005 847	.25
Average net loss ..... dollars..	8 645	.32
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ..... farms..	685 029	.16
$1,000..	5 054 473	.13
Other farm-related income[1] ..... farms..	545 480	.28
$1,000..	3 272 268	.48
Customwork and other agricultural services ..... farms..	142 854	.57
$1,000..	1 235 117	.83
Gross cash rent or share payments ..... farms..	175 901	.53
$1,000..	1 207 934	.85
Forest products excluding Christmas trees and maple products ..... farms..	46 426	1.01
$1,000..	344 337	1.25
Other farm-related income sources ..... farms..	303 908	.38
$1,000..	484 881	.60
COMMODITY CREDIT CORPORATION LOANS		
Total ..... farms..	83 328	.20
$1,000..	3 034 713	.15

See footnotes at end of table.

Table C. **Reliability Estimates of U.S. Totals for All Farms: 1997**—Con.

[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	1 661 395	.12
	acres	431 144 896	.11
Harvested cropland	farms	1 410 606	.12
	acres	309 395 475	.11
Farms by acres harvested:			
1 to 9 acres	farms	220 041	.14
	acres	912 134	.15
10 to 19 acres	farms	168 018	.15
	acres	2 227 614	.15
20 to 29 acres	farms	124 456	.15
	acres	2 835 763	.15
30 to 49 acres	farms	161 510	.14
	acres	5 977 374	.14
50 to 99 acres	farms	196 580	.16
	acres	13 514 845	.16
100 to 199 acres	farms	175 196	.21
	acres	24 255 447	.21
200 to 499 acres	farms	189 243	.21
	acres	59 600 210	.21
500 to 999 acres	farms	105 079	.21
	acres	73 186 906	.21
1,000 acres or more	farms	70 483	–
	acres	126 885 182	–
Cropland:			
Pasture or grazing only	farms	754 170	.13
	acres	64 466 542	.16
Other cropland	farms	435 619	.13
	acres	57 282 879	.17
Total woodland	farms	743 011	.12
	acres	71 465 431	.11
Pastureland and rangeland other than cropland and woodland pastured	farms	550 619	.14
	acres	396 884 553	.09
Land in house lots, ponds, roads, wasteland, etc.	farms	1 142 618	.12
	acres	32 300 375	.12
Irrigated land	farms	279 442	.16
	acres	55 058 128	.11
Acres irrigated:			
1 to 9 acres	farms	87 238	.20
	acres	295 717	.21
10 to 49 acres	farms	68 451	.23
	acres	1 616 361	.24
50 to 99 acres	farms	28 412	.27
	acres	1 979 440	.28
100 to 199 acres	farms	29 812	.28
	acres	4 121 593	.28
200 to 499 acres	farms	35 314	.25
	acres	11 126 404	.25
500 to 999 acres	farms	18 866	.18
	acres	13 010 164	.17
1,000 acres or more	farms	11 349	.06
	acres	22 908 449	.05
Harvested cropland irrigated	farms	252 679	.16
	acres	50 013 473	.11
Pasture and other land irrigated	farms	58 258	.19
	acres	5 044 655	.27
Land under Conservation Reserve or Wetlands Reserve Programs	farms	225 410	.17
	acres	29 489 059	.23
VALUE OF LAND AND BUILDINGS[1]			
Estimated market value of land and buildings	farms	1 911 823	.12
	$1,000	859 839 242	.14
Average per farm	dollars	449 748	.18
Average per acre	dollars	933	.20
VALUE OF MACHINERY AND EQUIPMENT[1]			
Estimated market value of all machinery and equipment	farms	1 911 601	.12
	$1,000	110 256 802	.17
Average per farm	dollars	57 678	.20
AGRICULTURAL CHEMICALS[1]			
Commercial fertilizer	farms	1 184 975	.17
	acres on which used	233 447 100	.16

Item		Total	Relative standard error of estimate (percent)
TENURE OF OPERATOR			
All operators	farms	1 911 859	.12
	acres	931 795 255	.09
Full owners	farms	1 146 891	.12
	acres	316 044 548	.10
Part owners	farms	573 839	.13
	acres	507 673 344	.09
Tenants	farms	191 129	.16
	acres	108 077 363	.13
OWNED AND RENTED LAND			
Land owned	farms	1 729 486	.12
	acres	611 960 421	.10
Owned land in farms	farms	1 720 730	.12
	acres	553 705 270	.09
Land rented or leased from others	farms	771 190	.13
	acres	384 287 662	.10
	landlords	2 079 344	.12
Rented or leased land in farms	farms	764 968	.13
	acres	378 089 985	.09
Land rented or leased to others	farms	258 167	.14
	acres	64 452 828	.27
OPERATOR CHARACTERISTICS			
Operators by place of residence:			
On farm operated		1 361 766	.12
Not on farm operated		412 554	.16
Not reported		137 539	.12
Operators by principal occupation:			
Farming		961 560	.12
Other		950 299	.13
Operators by days worked off farm:			
Any		1 042 158	.13
200 days or more		709 279	.13
Operators by sex:			
Male	farms	1 746 757	.12
	acres	884 330 123	.09
Female	farms	165 102	.15
	acres	47 465 132	.18
Average age of operator	years	54.3	.17
FARMS BY TYPE OF ORGANIZATION			
Individual or family (sole proprietorship)	farms	1 643 424	.12
	acres	585 464 911	.11
Partnership	farms	169 462	.17
	acres	149 321 484	.10
Corporation:			
Family held	farms	76 103	.17
	acres	119 559 203	.08
More than 10 stockholders	farms	1 795	.51
10 or less stockholders	farms	74 308	.17
Other than family held	farms	7 899	.33
	acres	11 904 053	.14
More than 10 stockholders	farms	1 029	.67
10 or less stockholders	farms	6 870	.36
Other—cooperative, estate or trust, institutional, etc.	farms	14 971	.29
	acres	65 545 604	.05
HIRED FARM LABOR[1]			
Hired workers by days worked:			
150 days or more	farms	259 631	.33
	workers	890 467	.18
Less than 150 days	farms	581 658	.25
	workers	2 461 561	.31
INJURIES AND DEATHS			
Farm-related injuries:			
Operator and family members	farms	19 025	.25
	number	21 793	.26
Hired workers	farms	14 238	.16
	number	28 751	.11
Farm-related deaths:			
Operator and family members	farms	480	–
	number	511	–
Hired workers	farms	175	–
	number	194	–

See footnotes at end of table.

Table C. **Reliability Estimates of U.S. Totals for All Farms: 1997**—Con.

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

Item	Total	Relative standard error of estimate (percent)
FARMS BY SIZE		
1 to 9 acres ..... farms..	153 515	.16
acres..	649 057	.16
10 to 49 acres ..... farms..	410 833	.14
acres..	10 964 237	.14
50 to 69 acres ..... farms..	125 985	.16
acres..	7 318 098	.16
70 to 99 acres ..... farms..	169 048	.14
acres..	13 912 939	.14
100 to 139 acres ..... farms..	161 660	.15
acres..	18 778 397	.15
140 to 179 acres ..... farms..	136 279	.16
acres..	21 459 734	.17
180 to 219 acres ..... farms..	91 055	.18
acres..	17 998 364	.18
220 to 259 acres ..... farms..	73 469	.20
acres..	17 483 499	.20
260 to 499 acres ..... farms..	238 245	.18
acres..	85 444 119	.18
500 to 999 acres ..... farms..	175 690	.19
acres..	122 093 219	.19
1,000 to 1,999 acres ..... farms..	101 468	.16
acres..	138 793 018	.16
2,000 acres or more ..... farms..	74 612	.11
acres..	476 900 574	.06
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM		
Oilseed and grain farming (1111) ..... farms..	462 877	.18
acres..	285 180 192	.13
Vegetable and melon farming (1112) ..... farms..	31 030	.19
acres..	10 244 449	.10
Fruit and tree nut farming (1113) ..... farms..	81 956	.28
acres..	10 376 512	.17
Greenhouse, nursery, and floriculture production (1114) ..... farms..	57 192	.18
acres..	3 930 989	.22
Other crop farming (1119) ..... farms..	269 317	.15
acres..	93 836 860	.10
Beef cattle ranching and farming (112111) ..... farms..	656 181	.15
acres..	423 921 264	.10
Cattle feedlots (112112) ..... farms..	43 469	.19
acres..	20 452 846	.16
Dairy cattle and milk production (11212) ..... farms..	86 022	.35
acres..	30 612 398	.26
Hog and pig farming (1122) ..... farms..	46 353	.19
acres..	11 704 267	.17
Poultry and egg production (1123) ..... farms..	36 944	.12
acres..	5 460 258	.13
Sheep and goat farming (1124) ..... farms..	29 938	.23
acres..	20 359 276	.15
Animal aquaculture and other animal production (1125, 1129) ..... farms..	110 580	.15
acres..	15 715 944	.22
LIVESTOCK		
Cattle and calves inventory ..... farms..	1 046 863	.13
number..	98 989 244	.09
Beef cows ..... farms..	804 595	.14
number..	34 066 615	.12
Milk cows ..... farms..	116 874	.28
number..	9 095 439	.16
Cattle and calves sold ..... farms..	1 011 809	.13
number..	74 089 046	.06
$1,000..	40 524 836	.05
Hogs and pigs inventory ..... farms..	109 754	.16
number..	61 206 236	.07
LIVESTOCK—Con.		
Hogs and pigs sold ..... farms..	102 106	.17
number..	142 611 882	.06
$1,000..	13 804 835	.06
Sheep and lambs of all ages inventory ..... farms..	65 790	.16
number..	7 821 885	.13
Sheep and lambs sold ..... farms..	59 575	.17
number..	7 331 545	.12
Horses and ponies inventory ..... farms..	375 218	.12
number..	2 427 277	.14
Horses and ponies sold ..... farms..	79 516	.16
number..	325 306	.29
POULTRY		
Layers and pullets 13 weeks old and older inventory (see text) ..... farms..	72 616	.16
number..	366 989 851	.09
Layers 20 weeks old and older ..... farms..	69 761	.16
number..	313 851 480	.08
Broilers and other meat-type chickens sold ..... farms..	23 937	.12
number..	6 741 927 110	.02
SELECTED CROPS HARVESTED		
Corn for grain or seed ..... farms..	430 711	.21
acres..	69 796 716	.17
bushels..	8 578 634 770	.17
Corn for silage or green chop ..... farms..	119 308	.27
acres..	5 727 594	.16
tons, green..	88 380 934	.14
Sorghum for grain or seed ..... farms..	49 397	.39
acres..	8 470 353	.25
bushels..	559 070 136	.26
Wheat for grain ..... farms..	243 568	.18
acres..	58 836 344	.14
bushels..	2 204 026 684	.12
Barley for grain ..... farms..	41 930	.25
acres..	5 944 951	.18
bushels..	336 435 009	.15
Oats for grain ..... farms..	89 606	.27
acres..	2 680 958	.26
bushels..	151 327 329	.24
Rice ..... farms..	9 291	.31
acres..	3 122 120	.17
cwt..	182 231 457	.20
Cotton ..... farms..	31 493	.25
acres..	13 235 236	.13
bales..	17 878 743	.08
Tobacco ..... farms..	89 706	.36
acres..	838 530	.24
pounds..	1 747 702 321	.23
Soybeans for beans ..... farms..	354 692	.21
acres..	66 147 726	.15
bushels..	2 504 307 294	.16
Dry edible beans, excluding dry limas ..... farms..	10 911	.40
acres..	1 691 899	.23
cwt..	27 223 851	.23
Potatoes, excluding sweetpotatoes ..... farms..	10 523	.26
acres..	1 355 241	.06
cwt..	459 886 344	.05
Sugar beets for sugar ..... farms..	7 102	.32
acres..	1 453 824	.14
tons..	29 775 479	.13
Peanuts for nuts ..... farms..	12 221	.34
acres..	1 352 155	.16
pounds..	3 377 142 874	.14
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ..... farms..	888 597	.12
acres..	60 799 788	.12
tons, dry..	139 365 313	.12
Alfalfa hay ..... farms..	358 365	.18
acres..	21 309 784	.17
tons, dry..	65 863 206	.14
Vegetables harvested for sale (see text) ..... farms..	53 727	.16
acres..	3 773 219	.07
Land in orchards ..... farms..	106 069	.24
acres..	5 158 064	.18

[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 D. Reliability Estimates of U.S. Totals for Farms With Sales of $10,000 or More: 1997

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

Item	Total	Relative standard error of estimate (percent)
FARMS AND LAND IN FARMS		
Farms ..... number..	948 893	.14
Land in farms ..... acres..	802 346 288	.09
Average size of farm ..... acres..	846	.17
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ..... farms..	948 893	.14
$1,000..	193 927 809	.05
Average per farm ..... dollars..	204 373	.15
Farms by value of sales:		
$10,000 to $19,999 ..... farms..	212 120	.15
$1,000..	2 997 619	.15
$20,000 to $24,999 ..... farms..	61 920	.21
$1,000..	1 374 779	.21
$25,000 to $39,999 ..... farms..	117 196	.20
$1,000..	3 702 805	.20
$40,000 to $49,999 ..... farms..	53 509	.23
$1,000..	2 381 500	.23
$50,000 to $99,999 ..... farms..	158 160	.21
$1,000..	11 346 504	.22
$100,000 to $249,999 ..... farms..	189 417	.19
$1,000..	30 143 329	.19
$250,000 to $499,999 ..... farms..	87 777	.07
$1,000..	30 505 216	.06
$500,000 or more ..... farms..	68 794	–
$1,000..	111 476 056	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops .... farms..	707 556	.15
$1,000..	97 014 525	.07
Grains ..... farms..	498 824	.19
$1,000..	46 296 557	.13
Corn for grain ..... farms..	318 871	.23
$1,000..	18 771 626	.17
Wheat ..... farms..	217 573	.19
$1,000..	7 110 896	.12
Soybeans ..... farms..	316 848	.22
$1,000..	15 503 576	.16
Sorghum for grain ..... farms..	41 531	.41
$1,000..	1 130 793	.25
Barley ..... farms..	28 280	.27
$1,000..	704 941	.14
Oats ..... farms..	32 294	.29
$1,000..	114 109	.27
Other grains ..... farms..	41 941	.21
$1,000..	2 960 616	.12
Cotton and cottonseed ..... farms..	29 968	.24
$1,000..	5 969 194	.07
Tobacco ..... farms..	55 210	.42
$1,000..	2 793 245	.22
Hay, silage, and field seeds ..... farms..	193 171	.15
$1,000..	4 314 094	.10
Vegetables, sweet corn, and melons ..... farms..	37 860	.17
$1,000..	8 357 209	.03
Fruits, nuts, and berries ..... farms..	52 919	.32
$1,000..	12 575 745	.12
Nursery and greenhouse crops ..... farms..	41 009	.19
$1,000..	10 860 968	.04
Other crops ..... farms..	31 503	.18
$1,000..	5 847 513	.04
Livestock, poultry, and their products ..... farms..	606 320	.15
$1,000..	96 913 284	.04
Poultry and poultry products ..... farms..	40 431	.12
$1,000..	22 246 305	.02
Dairy products ..... farms..	97 645	.33
$1,000..	18 992 558	.14
Cattle and calves ..... farms..	530 481	.15
$1,000..	38 904 201	.05
Hogs and pigs ..... farms..	77 328	.20
$1,000..	13 757 488	.06
Sheep, lambs, and wool ..... farms..	28 361	.23
$1,000..	633 928	.12
Other livestock and livestock products (see text) ..... farms..	47 211	.18
$1,000..	2 378 804	.10
Value of agricultural products sold directly to individuals for human consumption (see text) ..... farms..	40 237	.19
$1,000..	477 926	.17

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ..... farms..	947 131	.14
$1,000..	145 031 194	.06
Average per farm ..... dollars..	153 127	.16
Livestock and poultry purchased ..... farms..	346 780	.30
$1,000..	21 185 486	.09
Feed for livestock and poultry ..... farms..	541 598	.22
$1,000..	32 169 065	.07
Commercially mixed formula feeds ..... farms..	353 389	.30
$1,000..	21 004 812	.08
Seeds, bulbs, plants, and trees ..... farms..	662 646	.20
$1,000..	5 632 662	.16
Commercial fertilizer ..... farms..	754 108	.18
$1,000..	9 219 318	.15
Agricultural chemicals ..... farms..	663 490	.20
$1,000..	7 442 245	.15
Petroleum products ..... farms..	927 608	.15
$1,000..	5 917 262	.13
Electricity ..... farms..	771 552	.18
$1,000..	2 594 549	.14
Hired farm labor ..... farms..	473 967	.25
$1,000..	14 698 474	.09
Contract labor ..... farms..	157 726	.46
$1,000..	2 891 678	.28
Repair and maintenance ..... farms..	867 589	.16
$1,000..	7 845 052	.14
Customwork, machine hire, and rental of machinery and equipment ..... farms..	421 620	.28
$1,000..	3 084 158	.26
Interest ..... farms..	574 680	.23
$1,000..	8 308 435	.17
Secured by real estate ..... farms..	389 539	.29
$1,000..	4 919 240	.23
Not secured by real estate ..... farms..	369 754	.30
$1,000..	3 389 195	.20
Cash rent ..... farms..	389 108	.29
$1,000..	6 820 958	.23
Property taxes ..... farms..	865 333	.16
$1,000..	3 020 229	.20
All other farm production expenses ..... farms..	946 807	.14
$1,000..	14 201 621	.10
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]		
All farms ..... number..	947 146	.14
$1,000..	45 172 675	.14
Average per farm ..... dollars..	47 693	.20
Farms with net gains[2] ..... number..	722 320	.19
$1,000..	50 044 897	.12
Average net gain ..... dollars..	69 284	.22
Farms with net losses ..... number..	224 826	.42
$1,000..	4 872 222	.34
Average net loss ..... dollars..	21 671	.54
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ..... farms..	488 672	.18
$1,000..	4 308 498	.13
Other farm-related income[1] ..... farms..	355 273	.33
$1,000..	2 597 628	.54
Customwork and other agricultural services ..... farms..	103 681	.65
$1,000..	1 119 039	.90
Gross cash rent or share payments ..... farms..	82 608	.75
$1,000..	816 994	1.04
Forest products excluding Christmas trees and maple products ..... farms..	21 060	1.46
$1,000..	211 771	1.56
Other farm-related income sources ..... farms..	242 959	.40
$1,000..	449 824	.56
COMMODITY CREDIT CORPORATION LOANS		
Total ..... farms..	79 715	.21
$1,000..	3 030 094	.15

See footnotes at end of table.

Table D. Reliability Estimates of U.S. Totals for Farms With Sales of $10,000 or More: 1997—Con.

[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	884 465	.14
	acres	382 622 706	.11
Harvested cropland	farms	845 204	.15
	acres	294 874 241	.11
Cropland:			
Pasture or grazing only	farms	347 234	.16
	acres	44 175 749	.17
Total woodland	farms	336 972	.16
	acres	44 666 603	.12
Pastureland and rangeland other than cropland and woodland pastured	farms	284 784	.16
	acres	350 784 747	.08
Land in house lots, ponds, roads, wasteland, etc.	farms	576 614	.15
	acres	24 272 232	.12
Irrigated land	farms	190 653	.18
	acres	53 455 455	.11
Harvested cropland irrigated	farms	182 862	.18
	acres	49 139 204	.11
Pasture and other land irrigated	farms	27 696	.24
	acres	4 316 251	.28
Land under Conservation Reserve or Wetlands Reserve Programs	farms	110 608	.20
	acres	16 614 806	.21
VALUE OF LAND AND BUILDINGS[1]			
Estimated market value of land and buildings	farms	947 145	.14
	$1,000	682 773 777	.15
Average per farm	dollars	720 876	.21
Average per acre	dollars	862	.21
VALUE OF MACHINERY AND EQUIPMENT[1]			
Estimated market value of all machinery and equipment	farms	947 053	.14
	$1,000	89 431 563	.18
Average per farm	dollars	94 431	.23
AGRICULTURAL CHEMICALS[1]			
Commercial fertilizer	farms	752 193	.18
	acres on which used	221 979 806	.17
TENURE OF OPERATOR			
All operators	farms	948 893	.14
	acres	802 346 288	.09
Full owners	farms	403 585	.14
	acres	231 938 477	.09
Part owners	farms	419 056	.15
	acres	474 105 946	.09
Tenants	farms	126 252	.19
	acres	96 301 865	.13
OWNED AND RENTED LAND			
Land owned	farms	828 752	.14
	acres	490 228 739	.09
Owned land in farms	farms	822 641	.14
	acres	454 163 107	.09
Land rented or leased from others	farms	548 438	.15
	acres	353 184 831	.09
	landlords	1 709 344	.13
Rented or leased land in farms	farms	545 308	.15
	acres	348 183 181	.09
Land rented or leased to others	farms	121 486	.17
	acres	41 067 282	.32
OPERATOR CHARACTERISTICS			
Operators by place of residence:			
On farm operated		681 129	.15
Not on farm operated		200 892	.18
Not reported		66 872	.12
Operators by principal occupation:			
Farming		674 958	.14
Other		273 935	.16
Operators by days worked off farm:			
Any		403 743	.16
200 days or more		229 401	.16
Operators by sex:			
Male		896 825	.14
Female		52 068	.20
Average age of operator	years	53.2	.20

Item		Total	Relative standard error of estimate (percent)
FARMS BY TYPE OF ORGANIZATION			
Individual or family (sole proprietorship)	farms	757 782	.15
	acres	484 717 763	.12
Partnership	farms	114 187	.18
	acres	138 076 064	.09
Corporation:			
Family held	farms	63 995	.16
	acres	115 359 141	.08
More than 10 stockholders	farms	1 524	.48
10 or less stockholders	farms	62 471	.16
Other than family held	farms	5 787	.33
	acres	11 010 981	.12
More than 10 stockholders	farms	826	.61
10 or less stockholders	farms	4 961	.37
Other—cooperative, estate or trust, institutional, etc.	farms	7 142	.37
	acres	53 182 339	.05
HIRED FARM LABOR[1]			
Hired workers by days worked:			
150 days or more	farms	221 807	.33
	workers	850 598	.18
Less than 150 days	farms	407 895	.28
	workers	2 089 155	.33
INJURIES AND DEATHS			
Farm-related injuries:			
Operator and family members	farms	12 564	.29
	number	14 520	.30
Hired workers	farms	13 353	.15
	number	27 563	.10
Farm-related deaths:			
Operator and family members	farms	328	–
	number	352	–
Hired workers	farms	145	–
	number	164	–
FARMS BY SIZE			
1 to 9 acres		37 932	.21
10 to 49 acres		81 110	.19
50 to 69 acres		33 196	.21
70 to 99 acres		56 894	.19
100 to 139 acres		67 522	.20
140 to 179 acres		70 209	.21
180 to 219 acres		53 476	.23
220 to 259 acres		48 325	.24
260 to 499 acres		181 064	.20
500 to 999 acres		154 105	.20
1,000 to 1,999 acres		94 106	.16
2,000 acres or more		70 954	.10
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM			
Oilseed and grain farming (1111)		322 062	.22
Vegetable and melon farming (1112)		19 687	.21
Fruit and tree nut farming (1113)		41 301	.38
Greenhouse, nursery, and floriculture production (1114)		34 136	.20
Other crop farming (1119)		120 201	.19
Beef cattle ranching and farming (112111)		216 426	.17
Cattle feedlots (112112)		21 555	.25
Dairy cattle and milk production (11212)		85 041	.35
Hog and pig farming (1122)		33 561	.22
Poultry and egg production (1123)		29 667	.11
Sheep and goat farming (1124)		4 890	.42
Animal aquaculture and other animal production (1125, 1129)		20 366	.24
LIVESTOCK			
Cattle and calves inventory	farms	523 849	.15
	number	87 006 751	.09
Beef cows	farms	370 597	.16
	number	27 651 308	.13
Milk cows	farms	101 642	.31
	number	9 050 815	.16
Cattle and calves sold	farms	530 481	.15
	number	69 291 341	.06
	$1,000	38 904 201	.05
Hogs and pigs inventory	farms	76 413	.19
	number	60 720 537	.07
Hogs and pigs sold	farms	77 328	.20
	number	142 088 754	.06
	$1,000	13 757 488	.06
Sheep and lambs of all ages inventory	farms	28 853	.22
	number	6 869 121	.13
Sheep and lambs sold	farms	27 495	.23
	number	6 661 585	.13
Horses and ponies inventory	farms	143 149	.14
	number	1 090 622	.18
Horses and ponies sold	farms	30 850	.21
	number	217 402	.40

See footnotes at end of table.

Table D. Reliability Estimates of U.S. Totals for Farms With Sales of $10,000 or More: 1997—Con.

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

Item	Total	Relative standard error of estimate (percent)
POULTRY		
Layers and pullets 13 weeks old and older inventory (see text) ..... farms..	25 485	.22
number..	365 297 704	.09
Layers 20 weeks old and older ..... farms..	24 029	.22
number..	312 628 058	.08
Broilers and other meat-type chickens sold ..... farms..	20 827	.11
number..	6 736 903 105	.02
SELECTED CROPS HARVESTED		
Corn for grain or seed ..... farms..	374 655	.23
acres..	69 036 120	.17
bushels..	8 517 750 600	.17
Corn for silage or green chop ..... farms..	109 745	.28
acres..	5 605 723	.16
tons, green..	86 975 750	.14
Sorghum for grain or seed ..... farms..	45 348	.40
acres..	8 352 412	.25
bushels..	553 658 575	.26
Wheat for grain ..... farms..	218 675	.19
acres..	57 983 737	.13
bushels..	2 180 839 075	.12
SELECTED CROPS HARVESTED—Con.		
Barley for grain ..... farms..	38 613	.26
acres..	5 878 111	.18
bushels..	333 658 166	.15
Oats for grain ..... farms..	74 729	.30
acres..	2 500 006	.26
bushels..	143 107 630	.24
Rice ..... farms..	9 142	.31
acres..	3 119 375	.17
cwt..	182 125 496	.20
Cotton ..... farms..	29 980	.24
acres..	13 200 232	.13
bales..	17 855 738	.08
Tobacco ..... farms..	55 235	.42
acres..	782 879	.24
pounds..	1 661 470 792	.23
Soybeans for beans ..... farms..	317 386	.22
acres..	65 351 069	.15
bushels..	2 482 517 552	.16
Dry edible beans, excluding dry limas ..... farms..	10 409	.40
acres..	1 685 290	.23
cwt..	27 148 726	.23
Potatoes, excluding sweetpotatoes ..... farms..	7 709	.26
acres..	1 352 110	.06
cwt..	459 489 296	.05
Sugar beets for sugar ..... farms..	7 019	.32
acres..	1 452 984	.14
tons..	29 761 813	.13
Peanuts for nuts ..... farms..	11 100	.34
acres..	1 340 719	.16
pounds..	3 362 533 363	.14
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ..... farms..	482 703	.16
acres..	49 745 283	.13
tons, dry..	120 707 645	.12
Alfalfa hay ..... farms..	258 557	.21
acres..	19 357 007	.17
tons, dry..	61 963 590	.15
Vegetables harvested for sale (see text) ..... farms..	37 903	.17
acres..	3 729 935	.07
Land in orchards ..... farms..	51 259	.33
acres..	4 717 992	.16

[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 U.S. Totals: 1992 to 1997**

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

Item		All farms		Farms with sales of $10,000 or more	
		Percent change from 1992 to 1997	Standard error of estimate	Percent change from 1992 to 1997	Standard error of estimate
Farms	number	–.7	.12	–6.9	.13
Land in farms	acres	–1.5	.09	–2.4	.08
Average size of farm	acres	–.8	.15	4.8	.17
Estimated market value of land and buildings[1]:					
Average per farm	dollars	26.0	.15	32.1	.28
Average per acre	dollars	28.3	.26	27.5	.27
Estimated market value of all machinery and equipment[1]:					
Average per farm	dollars	18.7	.24	20.8	.28
Farms by size:					
1 to 9 acres		–7.8	.14	–13.1	.18
10 to 49 acres		6.0	.15	–1.1	.18
50 to 179 acres		1.5	.13	–6.8	.15
180 to 499 acres		–5.8	.16	–11.0	.17
500 to 999 acres		–5.7	.18	–8.0	.18
1,000 to 1,999 acres		–.4	.16	–1.8	.16
2,000 acres or more		5.1	.11	4.9	.11
Total cropland	farms	–2.1	.12	–6.7	.13
	acres	–1.0	.11	–1.9	.11
Harvested cropland	farms	–5.4	.11	–6.6	.14
	acres	4.5	.11	4.9	.11
Irrigated land	farms	–	.16	1.8	.18
	acres	11.4	.12	11.9	.12
Market value of agricultural products sold	$1,000	21.1	.06	21.5	.06
Average per farm	dollars	21.9	.16	30.5	.20
Crops, including nursery and greenhouse crops	$1,000	30.3	.09	31.0	.09
Livestock, poultry, and their products	$1,000	13.1	.05	13.3	.05
Farms by value of sales:					
Less than $2,500		17.4	.17	(X)	(X)
$2,500 to $4,999		–1.5	.15	(X)	(X)
$5,000 to $9,999		–5.5	.13	(X)	(X)
$10,000 to $24,999		–9.2	.14	–9.2	.14
$25,000 to $49,999		–12.6	.17	–12.6	.17
$50,000 to $99,999		–15.8	.18	–15.8	.18
$100,000 to $249,999		–9.1	.17	–9.1	.17
$250,000 to $499,999		11.8	.08	11.8	.07
$500,000 or more		46.6	–	46.6	–
Total farm production expenses[1]	$1,000	15.1	.07	15.4	.07
Average per farm	dollars	16.0	.16	24.0	.19
Net cash return from agricultural sales for the farm unit (see text)[1]	farms	–.7	.12	–6.9	.13
	$1,000	39.9	.21	39.0	.19
Average per farm	dollars	40.9	.27	49.3	.30
Operators by principal occupation:					
Farming		–8.7	.11	–10.5	.13
Other		9.0	.14	3.5	.16
Operators by days worked off farm:					
Any		5.0	.13	–.8	.16
200 days or more		6.6	.14	1.3	.16
Livestock and poultry:					
Cattle and calves inventory	farms	–2.6	.13	–8.8	.14
	number	3.0	.09	2.2	.09
Beef cows	farms	.2	.14	–4.2	.15
	number	4.7	.13	3.3	.13
Milk cows	farms	–24.8	.21	–25.2	.23
	number	–4.2	.15	–4.2	.15
Cattle and calves sold	farms	–2.2	.13	–8.6	.14
	number	5.0	.07	4.4	.06
Hogs and pigs inventory	farms	–42.6	.09	–44.7	.11
	number	6.3	.07	7.5	.07
Hogs and pigs sold	farms	–45.7	.09	–45.8	.11
	number	28.1	.08	29.4	.08
Sheep and lambs inventory	farms	–18.6	.13	–24.0	.17
	number	–27.4	.09	–27.1	.10
Layers and pullets 13 weeks old and older inventory (see text)	farms	–17.7	.13	–20.9	.17
	number	4.5	.09	4.5	.09
Broilers and other meat-type chickens sold	farms	–.1	.12	–	.11
	number	24.2	.03	24.1	.03
Selected crops harvested:					
Corn for grain or seed	farms	–14.5	.18	–11.3	.20
	acres	.7	.17	1.3	.17
	bushels	–1.4	.17	–.9	.17
Wheat for grain	farms	–16.7	.15	–13.5	.16
	acres	–.4	.14	.4	.14
	bushels	–.1	.12	.4	.12
Cotton	farms	–9.5	.22	–6.5	.23
	acres	20.7	.15	21.1	.15
	bales	16.3	.09	16.5	.09
Soybeans for beans	farms	–6.9	.20	–3.8	.21
	acres	17.4	.18	18.4	.18
	bushels	22.0	.20	22.8	.20
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	–1.8	.12	–7.1	.15
	acres	7.4	.13	6.3	.14
	tons, dry	9.8	.13	8.5	.13
Vegetables harvested for sale (see text)	farms	–13.3	.14	–10.0	.16
	acres	–.2	.07	.5	.07
Land in orchards	farms	–8.7	.22	–1.3	.32
	acres	8.1	.19	10.8	.18

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

Table F. **Reliability Estimates for the United States and State Totals: 1997**

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

Geographic area	Farms		Land in farms		Average size of farm		Average market value of land and buildings per farm[2]		Estimated market value of all machinery and equipment[2]	
	Total (number)	Relative standard error of estimate[1] (percent)	Total (acres)	Relative standard error of estimate[1] (percent)	Total (acres)	Relative standard error of estimate[1] (percent)	Value (dollars)	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
United States	**1 911 859**	**.12**	**931 795 255**	**.09**	**487**	**.15**	**449 748**	**.18**	**110 256 802**	**.17**
Alabama	41 384	.6	8 704 385	.4	210	.7	298 244	1.1	1 485 851	.9
Alaska	548	–	881 045	–	1 608	–	486 827	–	28 993	–
Arizona	6 135	.9	26 866 722	.1	4 379	.9	1 689 258	1.1	434 252	1.5
Arkansas	45 142	.4	14 364 955	.3	318	.5	360 114	.9	2 510 490	.7
California	74 126	.6	27 698 779	.3	374	.7	941 170	.8	5 155 473	.7
Colorado	28 268	.7	32 634 221	.5	1 154	.9	707 165	1.3	2 019 029	1.2
Connecticut	3 687	.7	359 313	.6	97	.9	571 074	2.3	151 760	2.6
Delaware	2 460	.8	579 545	.5	236	1.0	609 974	3.0	187 259	3.1
Florida	34 799	.6	10 454 217	.2	300	.7	662 538	.9	1 421 654	.9
Georgia	40 334	.6	10 671 246	.4	265	.7	392 577	1.1	1 791 247	.8
Hawaii	5 473	.7	1 439 071	.1	263	.8	632 281	.9	211 775	.4
Idaho	22 314	.5	11 830 167	.4	530	.7	536 521	1.1	1 740 107	1.0
Illinois	73 051	.8	27 204 780	.7	372	1.1	773 141	1.2	6 606 816	1.0
Indiana	57 916	.4	15 111 022	.3	261	.6	532 663	.8	3 709 854	.8
Iowa	90 792	.6	31 166 699	.5	343	.8	566 587	.9	7 318 851	.8
Kansas	61 593	.7	46 089 268	.6	748	.9	430 533	1.1	4 560 051	.9
Kentucky	82 273	.6	13 334 234	.5	162	.8	230 274	1.0	2 741 593	.9
Louisiana	23 823	.4	7 876 528	.3	331	.5	380 871	1.0	1 414 014	1.1
Maine	5 810	.5	1 211 648	.5	209	.7	251 074	1.6	282 151	2.2
Maryland	12 084	.8	2 154 875	.6	178	1.0	563 605	1.7	728 486	1.5
Massachusetts	5 574	.7	518 299	.6	93	1.0	455 014	2.4	225 043	2.2
Michigan	46 027	.9	9 872 812	.8	215	1.2	358 166	1.3	3 055 199	1.1
Minnesota	73 367	.6	25 994 621	.5	354	.7	407 863	.8	6 208 376	.8
Mississippi	31 318	.3	10 124 822	.2	323	.4	337 081	1.0	1 621 991	.8
Missouri	98 860	.6	28 826 188	.5	292	.7	309 430	.9	4 058 126	.8
Montana	24 279	.4	58 607 778	.2	2 414	.5	699 069	1.0	1 895 934	1.0
Nebraska	51 454	.9	45 525 414	.6	885	1.1	567 468	1.3	4 348 888	1.1
Nevada	2 829	.8	6 409 288	.2	2 266	.9	876 417	1.8	196 289	2.4
New Hampshire	2 937	.6	415 031	.7	141	.9	323 523	2.6	110 872	2.7
New Jersey	9 101	.6	832 600	.4	91	.7	594 206	1.4	436 613	1.2
New Mexico	14 094	.5	45 787 108	.2	3 249	.5	625 307	1.5	619 915	1.8
New York	31 757	.5	7 254 470	.4	228	.6	286 620	1.1	1 906 163	.9
North Carolina	49 406	.5	9 122 379	.3	185	.6	375 895	.9	2 425 402	.8
North Dakota	30 504	.9	39 359 346	.6	1 290	1.1	512 734	1.2	3 415 776	1.0
Ohio	68 591	.4	14 103 085	.3	206	.6	414 773	.8	3 952 140	.8
Oklahoma	74 214	.5	33 218 677	.4	448	.6	271 996	.9	2 741 400	.9
Oregon	34 030	.4	17 449 293	.4	513	.6	479 385	1.0	1 885 620	1.0
Pennsylvania	45 457	.5	7 167 906	.4	158	.6	371 740	.9	2 418 038	.9
Rhode Island	735	–	55 256	–	75	–	442 402	–	28 517	–
South Carolina	20 189	.4	4 593 452	.3	228	.5	324 834	1.3	902 193	.9
South Dakota	31 284	.8	44 354 880	.5	1 418	.9	487 039	1.2	2 852 531	1.1
Tennessee	76 818	.7	11 122 363	.4	145	.8	261 209	1.1	2 547 208	.9
Texas	194 301	.6	131 308 286	.3	676	.7	398 126	.8	7 781 878	.6
Utah	14 181	.5	12 024 661	.2	848	.5	486 235	1.4	725 177	1.6
Vermont	5 828	.7	1 262 155	.6	217	.9	323 107	1.9	284 761	1.6
Virginia	41 095	.4	8 228 226	.3	200	.5	384 979	.9	1 718 392	.8
Washington	29 011	.4	15 179 710	.2	523	.5	634 619	.8	2 021 640	.8
West Virginia	17 772	.4	3 455 532	.3	194	.5	212 832	1.5	432 904	1.6
Wisconsin	65 602	.9	14 900 205	.9	227	1.2	282 135	1.3	4 375 650	1.1
Wyoming	9 232	.6	34 088 692	.2	3 692	.6	808 346	1.7	564 454	1.5

Geographic area	Average market value of all machinery and equipment per farm[2]		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses[2]			
							Total farm production expenses			
							Farms		Value	
	Value (dollars)	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Value (dollars)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
United States	**57 678**	**.20**	**196 864 649**	**.05**	**102 970**	**.13**	**1 911 766**	**.12**	**150 590 993**	**.06**
Alabama	35 914	1.1	3 098 989	.1	74 884	.6	41 376	.6	2 509 917	.2
Alaska	53 003	–	24 650	–	44 982	–	548	–	21 821	–
Arizona	70 817	1.7	1 903 408	.1	310 254	.9	6 133	.9	1 479 713	.2
Arkansas	55 619	.8	5 479 692	.1	121 388	.5	45 139	.4	4 161 029	.2
California	69 590	.9	23 032 259	.1	310 718	.6	74 128	.5	16 817 253	.1
Colorado	71 417	1.4	4 534 213	.1	160 401	.7	28 272	.7	3 725 343	.2
Connecticut	41 194	2.7	421 648	.1	114 361	.7	3 683	.7	330 902	.4
Delaware	76 183	3.2	690 794	.1	280 811	.8	2 458	.8	620 297	.4
Florida	40 869	1.1	6 004 554	.1	172 550	.7	34 785	.6	4 384 423	.2
Georgia	44 392	1.0	4 992 918	.1	123 789	.6	40 351	.6	3 840 117	.2
Hawaii	38 709	1.0	496 935	.1	90 798	.8	5 471	.9	398 567	.1
Idaho	77 916	1.1	3 345 864	.2	149 945	.6	22 334	.5	2 705 028	.3
Illinois	90 447	1.3	8 556 486	.6	117 130	1.0	73 046	.8	5 542 904	.7
Indiana	64 050	.9	5 229 977	.2	90 303	.5	57 922	.4	4 011 772	.4
Iowa	80 651	1.0	11 947 894	.3	131 596	.7	90 786	.6	8 405 838	.4
Kansas	74 047	1.2	9 207 130	.2	149 483	.7	61 591	.7	7 290 703	.3
Kentucky	33 327	1.1	3 064 460	.4	37 247	.7	82 263	.6	2 033 070	.5
Louisiana	59 330	1.2	2 031 277	.2	85 265	.5	23 833	.4	1 466 483	.3
Maine	48 697	2.2	438 673	.1	75 503	.6	5 801	.6	347 611	.4

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Average market value of all machinery and equipment per farm[2]		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses[2]			
							Total farm production expenses			
							Farms		Value	
	Value (dollars)	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Value (dollars)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
Maryland	60 176	1.7	1 312 086	.3	108 580	.9	12 109	.9	1 123 200	.6
Massachusetts	40 395	2.3	454 404	.2	81 522	.7	5 565	.7	311 068	.7
Michigan	66 361	1.4	3 567 825	.5	77 516	1.0	46 040	.9	2 835 658	.6
Minnesota	84 613	1.0	8 290 264	.3	112 997	.6	73 375	.6	6 362 110	.4
Mississippi	51 801	.9	3 127 383	.1	99 859	.3	31 306	.3	2 458 575	.2
Missouri	41 051	1.0	5 367 813	.3	54 297	.6	98 852	.6	4 214 996	.4
Montana	78 157	1.1	1 870 732	.2	77 051	.5	24 274	.4	1 512 749	.5
Nebraska	84 535	1.4	9 831 519	.4	191 074	1.0	51 455	.9	7 596 196	.4
Nevada	69 532	2.6	356 565	.2	126 039	.8	2 823	1.0	276 040	.6
New Hampshire	37 957	2.8	149 467	.2	50 891	.6	2 921	.7	126 098	.9
New Jersey	48 011	1.4	697 380	.1	76 627	.6	9 094	.6	513 326	.4
New Mexico	44 047	1.8	1 617 708	.1	114 780	.5	14 075	.5	1 204 227	.3
New York	59 923	1.0	2 834 512	.3	89 256	.5	31 810	.5	2 191 903	.4
North Carolina	49 106	1.0	7 676 523	.1	155 376	.5	49 383	.5	5 673 379	.1
North Dakota	112 015	1.3	2 869 322	.4	94 064	1.0	30 494	.9	2 453 342	.6
Ohio	57 624	.9	4 684 277	.3	68 293	.5	68 591	.4	3 608 839	.4
Oklahoma	36 936	1.0	4 146 351	.2	55 870	.6	74 222	.5	3 576 456	.2
Oregon	55 401	1.1	2 969 194	.2	87 252	.5	34 035	.4	2 210 747	.4
Pennsylvania	53 219	1.1	3 997 565	.2	87 942	.5	45 429	.5	3 091 953	.3
Rhode Island	38 799	–	48 200	–	65 578	–	735	–	35 350	–
South Carolina	44 687	1.0	1 588 173	.1	78 665	.4	20 188	.4	1 233 736	.2
South Dakota	91 182	1.4	3 569 951	.4	114 114	.9	31 284	.8	2 733 387	.6
Tennessee	33 158	1.1	2 178 389	.2	28 358	.7	76 821	.7	1 641 727	.4
Texas	40 062	.9	13 766 527	.1	70 852	.6	194 285	.6	11 636 594	.2
Utah	51 148	1.7	877 295	.2	61 864	.5	14 177	.5	699 532	.5
Vermont	49 046	1.8	476 343	.3	81 734	.8	5 806	.8	371 207	.7
Virginia	41 835	.9	2 343 518	.1	57 027	.4	41 075	.4	1 924 690	.2
Washington	69 693	.9	4 767 727	.1	164 342	.4	29 002	.4	3 607 282	.2
West Virginia	24 315	1.6	447 428	.1	25 176	.4	17 807	.4	380 631	.6
Wisconsin	66 731	1.4	5 579 861	.7	85 056	1.1	65 584	.9	4 202 802	.7
Wyoming	61 161	1.6	898 527	.2	97 327	.6	9 229	.6	690 403	.6

Geographic area	Farm production expenses[2]—Con.											
	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[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
United States	**556 980**	**.27**	**21 614 559**	**.09**	**1 021 849**	**.19**	**32 759 966**	**.07**	**896 339**	**.19**	**5 725 869**	**.16**
Alabama	13 213	1.6	341 450	.4	26 309	1.0	1 140 545	.2	11 621	1.7	44 465	1.0
Alaska	127	–	1 291	–	234	–	2 532	–	196	–	1 513	–
Arizona	1 852	3.8	149 969	.4	3 260	2.5	263 765	.4	1 794	3.5	43 730	.9
Arkansas	14 619	1.5	467 737	.4	29 654	.8	1 654 949	.2	12 192	1.5	110 955	.6
California	10 957	1.8	759 223	.4	20 385	1.2	2 588 982	.2	22 653	1.2	526 323	.4
Colorado	9 954	1.8	1 271 336	.2	15 919	1.3	861 580	.2	10 288	1.6	86 109	1.1
Connecticut	837	6.4	8 740	3.1	1 446	4.3	58 691	.9	1 758	3.0	20 155	1.1
Delaware	1 122	3.1	63 980	.5	1 405	3.5	363 258	.7	1 444	3.4	11 554	1.7
Florida	6 697	2.3	145 770	.9	14 829	1.4	446 861	.3	9 902	1.7	217 919	.5
Georgia	10 408	1.6	396 933	.3	21 119	1.0	1 427 778	.1	14 485	1.3	102 366	.5
Hawaii	479	1.6	6 471	.5	845	1.3	35 749	.2	1 508	1.0	10 348	.2
Idaho	7 820	2.0	469 600	.4	11 438	1.4	450 829	.6	9 308	1.5	94 322	.7
Illinois	15 984	1.8	334 161	1.3	27 101	1.4	567 098	1.0	55 956	1.0	460 125	.9
Indiana	14 780	1.6	282 253	1.1	25 765	1.1	818 113	.5	38 483	.7	254 268	.7
Iowa	30 572	1.2	1 260 448	.6	46 733	.9	1 585 107	.5	68 732	.7	488 961	.7
Kansas	19 518	1.4	2 687 621	.2	32 955	1.1	1 506 407	.3	36 221	1.0	167 748	1.0
Kentucky	19 647	1.5	236 935	.9	39 926	1.0	341 123	.6	44 944	.9	82 095	.9
Louisiana	6 487	2.3	73 786	1.2	13 261	1.2	247 019	.5	8 706	1.6	72 562	1.0
Maine	1 234	4.9	11 988	2.9	2 201	3.2	79 605	.4	2 076	3.1	13 757	1.6
Maryland	3 714	2.7	129 432	.9	6 112	1.9	435 279	.8	6 893	1.7	35 862	1.3
Massachusetts	1 075	6.0	7 408	4.3	2 161	3.7	31 880	3.2	2 422	2.9	15 829	1.5
Michigan	11 086	1.9	175 474	1.1	17 888	1.5	414 770	.8	27 224	1.3	180 800	1.0
Minnesota	22 175	1.3	639 336	.8	35 429	1.0	1 301 623	.4	50 093	.8	361 065	.6
Mississippi	8 789	1.9	229 688	.5	18 062	1.0	845 628	.2	10 424	1.6	65 961	.6
Missouri	29 162	1.2	574 610	.8	61 570	.8	1 056 896	.5	36 850	1.0	167 388	.7
Montana	8 433	1.8	153 915	1.4	13 389	1.2	153 271	1.1	8 768	1.6	34 059	1.6
Nebraska	19 837	1.5	2 405 077	.3	28 251	1.3	1 408 802	.4	35 961	1.1	291 935	.9
Nevada	1 015	4.6	26 424	1.8	1 690	2.8	48 969	1.0	716	5.4	5 470	1.7
New Hampshire	706	5.4	3 031	5.4	1 415	3.1	22 257	1.6	970	3.6	6 287	2.2
New Jersey	1 671	4.4	10 339	3.1	3 290	2.7	38 309	1.4	4 633	1.9	37 270	.6
New Mexico	4 419	2.6	221 246	.8	7 760	1.6	334 541	.3	3 313	3.1	20 014	1.3
New York	9 787	1.9	111 258	1.6	17 393	1.2	482 735	.7	16 580	1.2	85 818	1.2
North Carolina	11 609	1.7	916 191	.2	22 116	1.2	2 262 032	.1	23 456	1.0	130 860	.7
North Dakota	8 030	2.2	106 412	2.6	12 996	1.7	125 867	1.5	18 246	1.2	150 703	.9

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Farm production expenses[2]—Con.											
	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[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
Ohio	18 692	1.4	267 858	1.5	31 975	1.0	713 397	.8	44 036	.7	237 751	.7
Oklahoma	26 102	1.2	1 100 066	.3	53 275	.7	900 546	.3	19 439	1.4	43 927	1.2
Oregon	9 806	1.9	144 065	1.6	18 390	1.1	229 748	1.0	9 564	1.7	74 020	1.1
Pennsylvania	16 075	1.4	290 987	1.0	26 901	.9	973 221	.4	29 112	.8	101 230	1.0
Rhode Island	161	–	848	–	271	–	2 924	–	383	–	2 027	–
South Carolina	4 480	2.7	88 949	.7	9 768	1.5	410 005	.2	8 251	1.6	36 777	1.0
South Dakota	12 882	1.6	452 194	.8	19 837	1.2	369 705	.9	20 099	1.2	157 342	1.0
Tennessee	20 054	1.5	148 848	1.4	42 712	1.0	312 849	.5	27 448	1.1	72 719	.8
Texas	61 645	.9	3 221 969	.2	130 839	.7	2 868 805	.2	54 365	.9	224 019	.6
Utah	5 266	2.4	82 463	1.7	7 655	1.6	198 854	.6	5 288	2.2	17 281	2.2
Vermont	1 911	3.4	24 005	2.3	3 498	2.0	119 251	1.1	2 024	3.1	5 205	4.9
Virginia	12 700	1.5	208 871	.9	23 331	.9	649 741	.2	15 959	1.2	51 074	.8
Washington	6 743	2.2	353 157	.4	13 102	1.3	495 975	.4	9 656	1.5	110 654	.6
West Virginia	5 481	2.2	63 068	1.8	10 508	1.3	154 556	.6	4 133	2.6	4 267	3.8
Wisconsin	22 888	1.5	306 830	1.3	39 355	1.2	847 206	.9	45 101	1.2	179 427	.9
Wyoming	4 279	2.2	180 847	1.1	6 125	1.6	110 332	1.0	2 665	2.9	9 555	2.5

Geographic area	Farm production expenses[2]—Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
United States	**1 190 733**	**.16**	**9 597 128**	**.15**	**941 136**	**.19**	**7 581 424**	**.15**	**1 760 642**	**.13**	**6 371 515**	**.12**
Alabama	26 159	1.0	106 011	.9	13 672	1.5	73 867	1.0	38 349	.6	80 237	.6
Alaska	345	–	1 549	–	155	–	219	–	503	–	1 728	–
Arizona	2 394	3.0	76 286	.6	1 997	3.2	69 184	1.1	5 393	1.2	53 250	1.0
Arkansas	25 076	1.0	213 542	.6	16 089	1.3	237 031	.4	43 057	.5	181 212	.4
California	42 312	.8	746 325	.4	44 327	.8	957 006	.4	63 187	.6	488 226	.4
Colorado	12 571	1.4	124 307	1.1	11 335	1.6	74 701	1.5	25 745	.8	121 592	.8
Connecticut	2 146	2.6	12 743	1.8	1 558	3.3	4 819	2.2	3 416	1.1	10 638	1.1
Delaware	1 424	3.4	20 537	2.3	1 426	2.9	16 274	2.1	2 170	1.7	12 659	1.8
Florida	23 235	1.0	347 559	.4	17 841	1.2	350 556	.4	29 619	.8	131 636	.6
Georgia	23 991	.9	219 398	.6	16 485	1.2	196 778	.6	35 928	.7	136 653	.4
Hawaii	4 051	.9	25 653	.2	3 834	.9	17 187	.2	5 055	.9	16 335	.3
Idaho	11 564	1.4	245 440	.6	11 383	1.4	118 406	.7	20 090	.7	100 076	.8
Illinois	55 963	1.0	714 914	.9	53 603	1.0	548 362	1.0	68 955	.9	309 146	.9
Indiana	41 337	.7	451 832	.7	36 541	.8	291 799	.8	53 806	.5	192 729	.6
Iowa	65 626	.7	636 785	.8	64 489	.8	521 566	.8	84 456	.6	350 799	.7
Kansas	42 255	.9	373 353	.8	35 165	1.0	224 156	.9	56 929	.8	294 353	.7
Kentucky	63 592	.7	183 802	.8	42 350	1.0	84 326	.8	77 810	.6	105 514	.8
Louisiana	14 669	1.1	128 104	.7	9 908	1.5	173 185	.6	22 294	.6	85 572	.6
Maine	3 031	2.4	16 537	1.2	2 346	2.8	17 435	1.1	5 494	.8	14 829	1.1
Maryland	7 745	1.6	58 488	1.4	6 851	1.7	38 516	1.7	11 311	1.0	33 726	1.1
Massachusetts	3 478	2.3	10 273	1.7	2 425	3.0	8 299	2.1	5 245	1.1	14 893	1.2
Michigan	29 576	1.3	244 613	1.0	26 238	1.4	182 494	1.1	42 348	1.0	142 449	.9
Minnesota	48 605	.8	491 584	.7	44 527	.9	406 227	.7	68 346	.6	306 292	.6
Mississippi	18 698	1.0	114 194	.7	10 465	1.6	199 962	.4	28 744	.5	100 997	.5
Missouri	61 078	.8	345 941	.7	34 788	1.0	230 054	.8	91 166	.6	208 015	.6
Montana	12 334	1.3	123 302	1.2	11 866	1.3	74 449	1.5	22 336	.6	115 091	.7
Nebraska	35 657	1.1	435 501	1.0	33 973	1.2	274 565	1.2	48 204	.9	320 080	.8
Nevada	909	4.6	11 610	1.5	849	4.9	5 292	1.9	2 500	1.7	14 895	1.4
New Hampshire	1 400	3.2	2 931	2.7	829	4.3	1 717	2.2	2 686	1.2	5 148	1.5
New Jersey	4 981	1.9	28 256	1.0	3 632	2.2	20 487	.9	8 513	.9	25 935	.8
New Mexico	4 793	2.4	34 563	2.5	3 315	3.0	18 085	1.5	12 467	.8	49 544	.9
New York	18 390	1.1	93 010	.9	15 392	1.2	75 892	1.1	30 184	.6	97 075	.7
North Carolina	36 387	.8	243 960	.7	25 671	1.0	188 784	.6	46 229	.6	198 201	.6
North Dakota	19 438	1.2	306 933	.7	18 376	1.3	217 605	.8	28 177	1.0	186 278	.8
Ohio	47 671	.7	345 896	.8	40 577	.8	224 526	.9	64 360	.5	180 186	.7
Oklahoma	37 094	.9	163 334	1.0	25 453	1.2	65 621	1.2	68 490	.6	156 445	.7
Oregon	17 542	1.2	150 171	.9	16 232	1.3	124 154	.8	30 564	.6	88 887	.8
Pennsylvania	30 482	.8	109 826	1.0	26 899	.9	77 519	1.3	43 493	.5	112 649	.7
Rhode Island	493	–	1 528	–	347	–	824	–	694	–	1 642	–
South Carolina	13 351	1.1	92 169	.8	8 402	1.6	76 319	.6	18 262	.6	59 101	.6
South Dakota	18 287	1.2	185 850	1.0	19 619	1.2	175 778	1.1	29 541	.9	159 131	.8
Tennessee	51 727	.8	160 025	.7	26 800	1.2	94 026	.7	71 483	.7	85 428	.7
Texas	100 834	.7	526 663	.6	66 307	.9	345 517	.7	173 794	.6	524 744	.5
Utah	7 097	1.8	22 174	2.9	5 883	2.0	9 374	3.3	13 082	.7	37 590	1.2
Vermont	2 708	2.6	9 800	1.3	1 761	3.1	4 131	1.3	5 489	1.0	13 005	1.1
Virginia	26 695	.8	113 688	.7	16 382	1.2	69 655	.7	38 656	.5	79 765	.6
Washington	14 931	1.1	231 396	.7	15 112	1.1	208 739	.6	26 560	.6	124 646	.5
West Virginia	9 074	1.5	11 710	2.9	3 756	2.8	4 950	2.6	16 807	.5	16 457	1.2
Wisconsin	44 200	1.2	258 450	1.0	40 404	1.2	169 356	1.0	60 160	1.0	187 629	1.0
Wyoming	3 337	2.5	24 614	2.2	3 501	2.4	11 648	3.1	8 495	.9	38 405	1.2

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Farm production expenses[2]—Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
United States	**1 224 374**	**.17**	**2 751 085**	**.14**	**650 623**	**.23**	**14 841 036**	**.09**	**226 909**	**.42**	**2 959 005**	**.27**
Alabama	19 501	1.2	28 638	.7	12 055	1.6	134 016	.6	4 149	3.0	16 205	1.4
Alaska	359	–	584	–	233	–	5 064	–	71	–	231	–
Arizona	3 707	2.2	31 686	1.2	2 726	2.6	255 124	.5	1 294	4.6	56 615	.6
Arkansas	23 334	1.0	60 432	.6	14 125	1.4	238 733	.5	5 498	2.5	25 544	1.8
California	52 395	.7	526 592	.4	36 450	.9	3 392 577	.2	25 571	1.1	1 386 159	.5
Colorado	18 055	1.2	68 478	1.0	9 394	1.8	263 603	.6	4 311	2.9	28 385	2.7
Connecticut	2 312	2.5	7 932	1.2	1 304	4.0	96 925	.4	290	10.1	3 716	1.3
Delaware	1 825	2.6	7 080	1.1	938	4.0	30 207	1.6	277	8.0	4 083	.6
Florida	21 403	1.1	55 022	.6	12 199	1.5	925 607	.3	7 481	2.1	477 373	.6
Georgia	21 641	1.0	54 790	.4	12 267	1.4	285 883	.3	4 630	2.3	56 010	.6
Hawaii	2 067	.9	8 810	.2	1 652	.9	150 682	.1	679	1.3	4 881	1.0
Idaho	15 661	1.1	89 854	.7	9 410	1.6	270 843	.7	3 501	3.0	32 680	1.6
Illinois	53 914	1.0	86 896	1.0	23 876	1.4	344 362	.9	4 216	3.5	14 392	3.0
Indiana	39 997	.7	56 716	.8	16 964	1.4	248 070	.8	3 726	3.4	17 334	3.0
Iowa	73 232	.7	127 679	.8	33 016	1.1	316 779	.9	6 152	2.8	24 905	2.7
Kansas	40 578	1.0	60 077	.8	20 660	1.3	306 410	.6	6 973	2.4	29 419	2.9
Kentucky	47 619	.9	29 183	1.0	33 464	1.1	209 578	.8	11 693	2.0	49 793	1.9
Louisiana	12 419	1.3	18 228	1.3	8 254	1.7	163 558	.5	2 376	3.8	12 440	2.2
Maine	3 815	1.9	10 613	.7	2 472	2.8	64 285	.8	645	6.4	4 161	4.2
Maryland	8 246	1.6	17 729	1.3	4 814	2.3	102 425	1.1	1 045	5.8	5 685	3.2
Massachusetts	3 690	2.2	7 715	1.8	2 188	3.1	81 630	.8	690	6.1	7 276	2.9
Michigan	31 396	1.2	53 192	1.0	14 481	1.6	369 145	.7	3 865	3.2	29 043	2.8
Minnesota	58 622	.7	107 403	.7	27 434	1.1	334 790	.7	5 188	2.9	29 103	1.7
Mississippi	13 352	1.4	32 857	.6	9 628	1.7	169 897	.4	2 986	3.4	15 078	1.9
Missouri	61 727	.8	59 481	.7	25 156	1.3	253 888	.7	8 751	2.3	24 438	2.1
Montana	18 072	.9	29 820	1.1	8 186	1.7	109 424	1.3	3 778	2.9	15 447	3.0
Nebraska	41 140	1.0	108 478	1.0	21 469	1.4	300 578	.8	6 038	2.7	22 692	3.1
Nevada	1 723	2.8	12 286	1.6	1 098	3.8	44 391	.9	469	7.5	5 408	3.4
New Hampshire	2 015	2.1	3 772	1.7	907	3.9	30 438	1.1	279	9.1	1 350	3.0
New Jersey	5 734	1.7	11 500	1.0	2 980	2.7	142 869	.3	787	6.3	12 809	1.8
New Mexico	7 045	1.7	30 598	1.5	5 226	2.3	140 862	.6	2 368	3.7	29 672	1.7
New York	23 839	.8	71 134	.8	11 563	1.6	336 357	.6	2 355	4.0	15 989	2.6
North Carolina	29 259	.9	87 664	.4	18 984	1.2	487 395	.4	6 485	2.4	67 291	1.6
North Dakota	23 774	1.1	37 336	1.0	11 758	1.6	122 283	1.1	2 904	3.7	13 477	4.6
Ohio	47 360	.7	54 824	.7	19 017	1.4	314 865	.8	4 587	3.2	19 117	3.0
Oklahoma	39 283	.9	35 944	.8	20 628	1.4	183 170	.6	9 370	2.2	27 587	2.4
Oregon	23 607	.9	47 980	.9	12 798	1.5	478 595	.5	5 212	2.7	45 902	1.9
Pennsylvania	33 505	.7	78 885	.7	14 055	1.5	362 811	.5	3 031	3.8	27 369	1.7
Rhode Island	505	–	743	–	277	–	10 755	–	83	–	725	–
South Carolina	10 136	1.5	19 540	.7	5 826	2.1	129 512	.4	1 785	4.1	18 063	3.2
South Dakota	25 727	1.0	46 851	1.0	11 987	1.6	109 897	1.2	2 956	3.5	12 328	2.9
Tennessee	35 211	1.0	22 489	.9	22 550	1.3	159 187	.6	6 548	2.6	26 308	2.9
Texas	105 494	.7	190 161	.6	55 912	.9	785 447	.4	35 119	1.2	142 086	1.0
Utah	7 182	1.7	16 687	1.8	6 059	2.0	79 611	1.0	1 698	4.5	7 900	3.3
Vermont	4 242	1.6	11 665	1.4	2 485	2.6	43 304	1.0	667	6.2	2 559	4.3
Virginia	21 392	1.0	27 444	.7	14 921	1.3	192 798	.5	3 320	3.2	14 269	2.3
Washington	20 850	.9	73 693	.6	13 598	1.2	771 003	.4	3 631	3.1	44 164	1.9
West Virginia	7 454	1.7	5 346	1.7	4 513	2.5	24 160	1.6	1 080	5.7	3 270	4.0
Wisconsin	52 272	1.1	107 204	1.0	25 179	1.4	409 009	.9	4 464	3.2	20 509	2.9
Wyoming	6 686	1.4	11 374	2.0	3 487	2.4	58 236	1.2	1 837	3.6	7 762	2.6

Geographic area	Farm production expenses[2]—Con.											
	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[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
United States	**1 538 058**	**.14**	**8 637 742**	**.14**	**597 624**	**.26**	**3 210 309**	**.25**	**810 476**	**.21**	**8 928 107**	**.17**
Alabama	32 078	.8	99 127	.9	8 915	2.1	20 749	1.8	13 367	1.5	90 000	1.2
Alaska	450	–	1 925	–	115	–	180	–	234	–	1 143	–
Arizona	4 731	1.7	69 380	.6	1 637	3.8	76 565	.8	2 191	3.3	63 768	.7
Arkansas	36 149	.7	202 827	.5	10 847	1.8	84 552	1.0	20 737	1.1	192 005	.8
California	56 574	.7	777 097	.3	25 794	1.1	595 872	.7	26 987	1.1	958 431	.4
Colorado	22 453	1.0	154 182	1.0	9 669	1.8	74 222	1.6	13 057	1.5	179 469	1.0
Connecticut	3 112	1.5	17 596	1.6	495	7.2	2 427	2.1	907	4.8	11 289	2.6
Delaware	2 135	1.9	19 338	1.8	980	4.6	3 395	3.0	1 273	3.7	17 866	1.4
Florida	24 621	1.0	195 760	.6	7 081	2.2	99 207	.9	10 162	1.8	237 536	.6
Georgia	29 812	.8	157 193	.6	9 278	1.7	51 051	1.0	14 786	1.2	170 943	.7
Hawaii	4 020	.8	31 918	.2	738	1.3	2 718	.6	1 036	1.0	13 964	.5
Idaho	18 147	.9	152 222	.7	8 597	1.8	69 649	1.4	11 087	1.4	178 482	.9
Illinois	61 361	1.0	398 871	1.0	28 509	1.4	116 075	1.9	37 901	1.2	424 977	1.1
Indiana	47 778	.6	257 352	.7	19 743	1.3	58 005	1.6	27 599	1.0	272 608	1.0

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Farm production expenses[2]—Con.											
	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[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
Iowa	78 128	.7	504 525	.8	43 788	1.0	168 101	1.6	55 257	.8	600 284	.9
Kansas	50 328	.8	358 071	.8	23 546	1.3	160 477	1.3	32 648	1.1	351 690	.9
Kentucky	63 768	.7	156 916	.9	20 304	1.5	31 027	1.7	31 739	1.2	179 810	1.2
Louisiana	19 508	.8	131 075	.7	5 292	2.3	45 768	1.4	7 942	1.8	75 495	1.1
Maine	4 827	1.3	23 988	1.4	1 145	4.7	4 595	1.2	1 820	3.3	15 954	1.9
Maryland	10 455	1.2	60 624	1.3	4 036	2.7	13 376	2.8	4 219	2.3	45 896	1.7
Massachusetts	4 716	1.5	22 779	1.9	1 061	5.5	7 089	4.1	1 580	3.9	15 766	3.0
Michigan	37 918	1.1	209 298	1.0	13 520	1.8	53 082	1.7	18 209	1.5	189 849	1.1
Minnesota	63 378	.7	428 577	.7	30 080	1.1	133 906	1.1	42 431	.9	499 899	.8
Mississippi	23 693	.8	128 677	.6	6 965	2.1	60 166	.9	10 610	1.6	108 338	.8
Missouri	76 985	.7	283 364	.8	28 696	1.2	80 440	1.5	45 114	.9	312 483	.9
Montana	20 478	.7	124 799	1.0	6 916	2.0	42 985	2.1	12 583	1.3	149 306	1.3
Nebraska	44 105	1.0	387 111	.9	23 971	1.4	127 826	1.8	31 586	1.2	413 076	1.0
Nevada	2 256	2.1	20 912	1.4	797	5.5	5 914	4.2	1 121	4.1	21 724	2.4
New Hampshire	2 392	1.6	9 340	3.0	456	6.6	1 202	3.0	855	4.3	6 115	3.9
New Jersey	7 266	1.3	34 489	1.2	1 594	4.3	5 767	2.0	1 981	3.3	21 483	1.7
New Mexico	10 582	1.1	55 600	1.2	2 993	3.3	18 436	2.4	4 808	2.2	78 791	1.2
New York	28 200	.7	171 351	.8	7 883	2.1	29 214	1.7	12 525	1.5	130 266	1.0
North Carolina	39 441	.7	207 332	.6	13 093	1.6	55 032	1.2	16 538	1.3	205 129	.6
North Dakota	26 382	1.0	207 276	1.0	13 278	1.6	77 589	1.7	20 104	1.2	234 100	1.1
Ohio	57 400	.6	258 610	.8	23 037	1.3	54 657	1.8	28 926	1.1	238 538	1.1
Oklahoma	57 440	.7	183 808	.8	18 893	1.5	65 643	1.5	31 323	1.1	224 537	.9
Oregon	26 900	.8	157 011	.8	9 343	1.9	56 963	1.5	11 839	1.6	151 901	1.2
Pennsylvania	39 966	.6	202 042	.8	14 864	1.5	39 183	1.4	17 169	1.3	146 763	1.2
Rhode Island	605	–	2 655	–	122	–	289	–	218	–	1 744	–
South Carolina	15 498	.9	70 769	.8	4 228	2.8	13 788	1.9	5 581	2.1	47 350	1.1
South Dakota	27 502	1.0	202 374	1.0	15 150	1.5	83 396	1.5	20 557	1.2	226 685	1.1
Tennessee	56 816	.8	128 384	.9	17 082	1.6	29 042	1.6	22 345	1.4	113 698	1.3
Texas	147 795	.6	551 155	.6	55 325	1.0	264 527	.9	62 890	.9	498 389	.6
Utah	11 109	1.1	45 915	1.4	4 592	2.5	11 281	3.0	5 163	2.2	50 664	1.8
Vermont	4 956	1.3	25 929	1.3	1 529	3.7	6 505	2.0	2 363	2.6	23 753	2.2
Virginia	33 209	.6	113 211	.8	8 936	1.9	19 619	1.4	12 402	1.5	85 752	1.2
Washington	23 501	.7	229 971	.7	8 798	1.7	85 730	1.0	11 538	1.4	214 518	.7
West Virginia	13 407	.9	22 093	1.6	2 186	3.8	4 650	4.1	3 991	2.8	21 169	2.5
Wisconsin	56 062	1.0	337 991	1.1	29 186	1.4	87 204	1.6	34 539	1.3	356 573	1.2
Wyoming	7 665	1.1	44 930	1.7	2 541	3.2	11 172	4.6	4 638	2.0	58 139	1.8

Geographic area	Farm production expenses[2]—Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
United States	**485 512**	**.27**	**6 915 677**	**.23**	**1 771 787**	**.13**	**3 920 133**	**.18**	**1 689 391**	**.13**	**14 777 437**	**.10**
Alabama	8 475	2.0	45 732	1.1	38 769	.6	21 970	1.3	33 714	.7	266 906	.3
Alaska	110	–	412	–	466	–	957	–	488	–	2 493	–
Arizona	1 239	4.3	57 371	.8	5 464	1.3	20 199	2.5	5 627	1.2	192 821	.5
Arkansas	9 818	1.9	127 308	.8	42 825	.5	48 485	.9	38 686	.6	315 718	.3
California	13 317	1.6	554 077	.6	66 656	.6	360 348	.6	68 046	.6	2 200 014	.2
Colorado	5 722	2.4	79 086	1.9	25 319	.8	54 425	1.1	25 682	.8	283 871	.7
Connecticut	744	5.8	4 721	2.6	3 391	1.2	11 522	2.2	3 320	1.3	58 987	.6
Delaware	692	6.1	12 959	1.2	2 291	1.6	4 272	3.4	2 277	1.5	32 835	1.0
Florida	4 277	2.8	56 025	1.3	32 866	.7	136 457	.6	29 438	.8	561 134	.3
Georgia	7 814	1.8	103 519	.9	38 547	.6	80 420	.9	33 222	.7	400 403	.2
Hawaii	1 620	1.0	11 923	.4	4 166	.9	5 196	.8	4 841	.8	56 733	.2
Idaho	5 387	2.3	124 518	1.0	21 097	.6	55 081	1.0	20 669	.7	253 025	.7
Illinois	23 709	1.5	514 234	1.3	63 561	.9	198 014	1.1	67 319	.9	511 278	.9
Indiana	16 729	1.3	358 739	1.0	55 473	.5	138 472	.9	52 467	.5	313 484	.6
Iowa	36 892	1.0	866 955	1.0	79 236	.7	242 120	.9	85 922	.6	710 824	.7
Kansas	18 302	1.4	186 278	1.3	57 280	.8	117 225	1.0	56 328	.8	467 416	.6
Kentucky	9 031	2.1	62 085	1.1	77 459	.6	59 942	1.0	70 738	.7	220 941	.7
Louisiana	6 105	2.2	74 021	.7	20 129	.7	15 105	1.8	20 231	.7	150 566	.5
Maine	941	4.1	5 044	1.3	5 550	.7	16 006	1.4	5 107	1.1	48 814	.6
Maryland	3 133	2.9	36 106	2.0	11 088	1.0	23 776	1.8	10 879	1.1	86 280	1.1
Massachusetts	900	5.2	6 393	1.8	5 138	1.0	19 915	2.4	5 081	1.2	53 923	1.1
Michigan	12 983	1.8	162 012	1.2	43 608	.9	114 049	1.1	40 748	1.0	315 391	.8
Minnesota	27 246	1.1	554 892	.9	67 831	.6	167 927	.8	67 792	.6	599 485	.6
Mississippi	6 694	2.0	139 942	.4	28 651	.5	34 748	1.2	24 928	.7	212 442	.3
Missouri	18 556	1.5	148 276	1.3	95 852	.6	101 922	.7	87 172	.6	367 800	.6
Montana	6 705	2.0	81 423	1.8	22 916	.6	89 911	1.0	22 406	.6	215 547	1.0
Nebraska	18 740	1.5	330 922	1.4	46 913	.9	218 119	1.1	48 752	.9	551 435	.8
Nevada	390	8.0	6 862	4.2	2 616	1.5	8 089	2.3	2 527	1.6	37 792	1.1
New Hampshire	388	6.0	1 400	4.1	2 748	.9	11 942	2.7	2 575	1.3	19 166	1.3

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Farm production expenses[2]—Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)
New Jersey	1 400	3.7	13 641	1.1	8 460	.8	30 619	2.2	7 929	1.1	79 552	.5
New Mexico	2 559	3.4	31 086	2.0	13 115	.7	17 764	1.3	12 042	.9	123 425	.6
New York	8 363	1.9	48 093	1.5	30 136	.6	129 269	.9	29 109	.6	314 442	.6
North Carolina	13 746	1.5	180 559	.7	46 926	.6	72 025	.9	42 095	.6	370 924	.3
North Dakota	15 782	1.3	335 526	.9	27 026	1.0	70 097	1.3	28 714	.9	261 859	.9
Ohio	18 757	1.3	273 619	1.1	63 031	.5	103 622	.8	61 699	.5	321 371	.7
Oklahoma	20 666	1.4	107 452	1.1	70 905	.6	72 271	.9	63 762	.6	246 104	.5
Oregon	5 872	2.3	98 115	1.3	31 894	.5	62 214	1.0	30 735	.6	301 022	.6
Pennsylvania	13 593	1.5	78 824	1.6	41 605	.6	114 732	.9	41 408	.6	375 913	.5
Rhode Island	135	–	1 021	–	681	–	2 640	–	663	–	4 985	–
South Carolina	4 611	2.4	41 957	1.2	19 162	.5	19 179	1.4	16 220	.8	110 258	.4
South Dakota	14 133	1.5	189 113	1.3	27 765	1.0	98 335	1.1	29 867	.9	264 410	.9
Tennessee	10 868	1.9	58 982	1.0	73 297	.7	64 228	1.0	63 154	.8	165 514	.6
Texas	41 337	1.1	306 269	.8	177 274	.6	250 269	.7	162 029	.6	936 575	.4
Utah	3 565	2.9	19 126	3.3	13 527	.6	16 505	1.5	12 863	.8	84 106	1.1
Vermont	1 566	3.4	6 224	2.2	5 395	1.0	19 328	1.7	5 184	1.2	56 541	1.0
Virginia	9 733	1.6	62 469	.9	39 188	.4	56 889	.9	35 852	.5	179 447	.4
Washington	5 888	2.1	124 823	1.2	27 085	.5	96 621	.8	26 118	.6	442 190	.4
West Virginia	1 958	4.0	4 316	2.9	17 120	.5	10 201	1.5	14 003	.8	30 419	1.3
Wisconsin	21 766	1.5	193 761	1.3	61 736	.9	217 808	1.0	60 364	1.0	523 843	1.0
Wyoming	2 555	3.2	27 468	3.1	8 553	.9	18 907	1.7	8 599	.8	77 014	1.1

Geographic area	Net cash return from agricultural sales for the farm unit (see text)[2]				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate[1] (percent)	Total ($1,000)	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)
United States	**1 911 824**	**.12**	**42 557 871**	**.15**	**1 661 395**	**.12**	**431 144 896**	**.11**	**1 410 606**	**.12**	**309 395 475**	**.11**
Alabama	41 377	.6	490 081	.8	34 407	.6	4 197 670	.4	24 819	.5	2 077 139	.3
Alaska	548	–	2 829	–	434	–	94 810	–	381	–	34 227	–
Arizona	6 133	.9	417 135	.8	3 711	.9	1 277 169	.3	2 765	.8	969 602	.2
Arkansas	45 139	.4	1 007 988	.6	37 205	.4	10 062 289	.3	30 125	.4	7 665 490	.2
California	74 129	.5	6 118 086	.3	62 269	.6	10 803 804	.3	55 590	.6	8 543 159	.2
Colorado	28 272	.7	803 321	.8	22 357	.7	10 509 384	.5	18 406	.7	5 896 984	.4
Connecticut	3 684	.7	87 211	1.5	3 289	.7	181 043	.5	3 032	.7	140 513	.5
Delaware	2 458	.8	68 563	2.0	1 981	.9	486 981	.5	1 810	1.0	466 555	.5
Florida	34 787	.6	1 573 154	.4	27 141	.6	3 639 850	.3	21 017	.7	2 435 702	.2
Georgia	40 353	.6	976 666	.5	32 816	.6	5 370 844	.4	25 082	.6	3 762 559	.3
Hawaii	5 473	.9	98 368	.3	4 882	.8	292 107	.3	4 594	.8	100 094	.2
Idaho	22 334	.5	590 283	1.2	18 994	.6	6 308 877	.4	15 494	.6	4 478 862	.3
Illinois	73 046	.8	2 729 334	.9	68 082	.8	23 920 923	.7	62 712	.9	22 274 230	.7
Indiana	57 922	.4	1 163 605	.9	53 256	.4	12 848 950	.3	47 613	.5	11 716 704	.3
Iowa	90 786	.6	2 969 179	.8	83 375	.6	26 821 844	.5	74 951	.6	23 323 249	.5
Kansas	61 591	.7	1 877 913	.7	54 145	.7	30 020 580	.6	48 280	.7	19 839 087	.5
Kentucky	82 264	.6	979 715	.8	77 784	.6	8 549 027	.5	68 953	.6	4 678 622	.4
Louisiana	23 833	.4	477 426	1.0	19 333	.4	5 331 411	.3	15 115	.5	3 882 648	.2
Maine	5 801	.6	78 187	1.7	5 372	.6	539 966	.4	4 875	.6	403 014	.4
Maryland	12 109	.9	172 948	2.0	10 702	.8	1 613 497	.6	9 474	.8	1 382 035	.5
Massachusetts	5 571	.7	135 155	1.6	4 990	.7	223 573	.7	4 587	.7	168 765	.6
Michigan	46 040	.9	686 891	1.2	43 017	.9	7 891 802	.8	37 941	1.0	6 724 480	.8
Minnesota	73 375	.6	1 835 509	.8	67 545	.6	21 491 743	.4	60 726	.6	18 968 607	.4
Mississippi	31 312	.3	558 443	.7	25 289	.3	5 947 311	.2	19 198	.4	4 338 710	.2
Missouri	98 856	.6	1 097 695	.9	87 092	.6	19 229 468	.5	72 316	.6	12 449 272	.4
Montana	24 275	.4	334 834	2.0	20 669	.4	17 629 001	.3	17 854	.4	9 399 718	.2
Nebraska	51 456	.9	2 095 114	.9	45 191	.9	22 092 954	.7	41 652	.9	17 551 212	.7
Nevada	2 823	1.0	77 433	1.5	2 188	.8	846 752	.5	1 765	.9	526 338	.4
New Hampshire	2 921	.7	23 567	4.2	2 489	.6	132 619	.6	2 256	.7	101 753	.6
New Jersey	9 094	.6	175 896	1.2	8 322	.6	594 928	.4	7 396	.6	485 187	.3
New Mexico	14 075	.5	410 261	.9	9 435	.5	2 179 428	.5	7 008	.5	1 079 953	.3
New York	31 810	.5	514 724	1.2	29 747	.5	4 722 143	.4	27 569	.5	3 716 942	.4
North Carolina	49 391	.5	1 601 413	.5	44 502	.5	5 608 388	.3	38 241	.5	4 233 693	.2
North Dakota	30 494	.9	399 832	2.3	27 994	.9	27 024 895	.6	25 153	.9	20 438 149	.5
Ohio	68 591	.4	1 039 324	1.0	63 669	.4	11 340 967	.3	58 048	.4	9 900 570	.3
Oklahoma	74 222	.5	456 080	1.5	58 741	.5	14 843 823	.4	44 786	.5	8 462 079	.4
Oregon	34 036	.4	727 810	.9	28 101	.5	5 285 659	.4	22 312	.5	3 154 523	.3
Pennsylvania	45 437	.5	747 503	1.1	42 573	.5	5 032 151	.4	39 689	.4	4 014 564	.4
Rhode Island	735	–	12 850	–	661	–	25 611	–	606	–	19 019	–
South Carolina	20 189	.4	328 569	.8	17 514	.4	2 462 818	.3	13 426	.4	1 654 535	.2
South Dakota	31 284	.8	801 485	1.3	27 712	.9	19 355 256	.6	25 654	.9	14 284 741	.5
Tennessee	76 821	.7	508 404	1.0	69 393	.7	7 069 470	.4	56 016	.6	4 064 058	.3
Texas	194 288	.6	1 988 349	.6	149 104	.6	37 662 040	.5	108 169	.6	19 607 847	.3
Utah	14 178	.5	160 519	2.0	12 227	.5	2 069 751	.5	10 393	.5	1 107 928	.4
Vermont	5 806	.8	87 572	2.2	5 065	.7	617 263	.6	4 609	.8	465 489	.5
Virginia	41 075	.4	364 331	1.1	37 177	.4	4 322 425	.3	32 124	.4	2 520 961	.2
Washington	29 009	.4	1 132 634	.6	24 656	.4	7 913 709	.3	20 445	.4	4 895 633	.2
West Virginia	17 807	.4	57 522	3.4	16 509	.4	1 336 723	.4	15 086	.4	621 632	.3
Wisconsin	65 585	.9	1 318 913	1.1	61 166	.9	10 353 300	.9	54 369	1.0	8 625 011	.8
Wyoming	9 229	.6	197 249	2.1	7 122	.6	2 967 899	.5	6 124	.6	1 743 631	.4

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Irrigated land				Livestock and poultry							
	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
					Farms		Total		Farms		Total	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Total (number)	Relative standard error of estimate[1] (percent)
United States	**279 442**	**.16**	**55 058 128**	**.11**	**1 046 863**	**.13**	**98 989 244**	**.09**	**804 595**	**.14**	**34 066 615**	**.12**
Alabama	1 301	.8	76 871	.6	28 450	.6	1 530 566	.4	25 384	.6	832 298	.4
Alaska	114	–	2 667	–	120	–	11 111	–	84	–	3 694	–
Arizona	3 426	.8	1 013 902	.3	2 881	1.0	822 273	.3	2 164	1.0	263 878	.5
Arkansas	6 593	.5	3 717 217	.2	30 369	.4	1 770 248	.4	26 981	.5	927 357	.5
California	55 920	.6	8 712 893	.2	17 335	.5	4 968 679	.2	12 158	.6	890 805	.5
Colorado	15 470	.7	3 430 129	.5	15 592	.7	3 307 301	.3	12 243	.8	918 891	.7
Connecticut	674	1.1	7 366	.5	1 227	.9	65 645	.4	721	1.2	6 887	1.6
Delaware	415	1.3	72 635	.5	434	1.4	27 968	.7	224	2.0	3 685	2.2
Florida	12 673	.7	1 862 404	.2	15 849	.6	1 808 900	.3	13 600	.6	1 003 072	.3
Georgia	4 372	.7	748 520	.3	21 874	.6	1 244 489	.5	19 180	.6	613 731	.6
Hawaii	2 241	.8	76 971	.2	829	1.3	181 732	.4	625	1.4	93 711	.4
Idaho	15 191	.6	3 493 542	.4	12 063	.6	1 908 097	.4	8 405	.6	555 676	.7
Illinois	2 021	.9	349 799	.6	24 452	.9	1 437 697	.8	17 682	.9	453 127	.9
Indiana	1 753	.7	250 050	.5	23 025	.5	976 701	.4	15 164	.5	277 797	.5
Iowa	957	1.0	124 983	1.1	38 435	.6	3 647 129	.5	27 452	.6	1 029 172	.6
Kansas	6 135	.7	2 707 489	.3	36 244	.7	6 506 089	.3	29 446	.7	1 466 429	.7
Kentucky	4 104	.8	58 490	.6	48 898	.6	2 428 891	.6	41 171	.6	1 126 748	.7
Louisiana	3 400	.6	942 528	.3	14 589	.4	877 124	.5	12 669	.5	490 437	.5
Maine	671	1.1	21 791	.3	1 921	.7	101 695	.5	1 035	1.1	11 782	1.7
Maryland	1 154	1.2	68 588	.9	4 444	.8	261 324	.6	2 726	1.0	50 619	1.1
Massachusetts	1 630	.8	24 564	.6	1 420	1.0	61 719	.7	799	1.3	6 858	1.8
Michigan	3 752	.9	393 485	.4	15 468	1.0	1 025 702	.8	7 566	.9	116 399	1.0
Minnesota	2 193	.8	380 394	.6	30 913	.6	2 395 456	.6	15 745	.6	409 184	.7
Mississippi	1 769	.5	1 076 231	.1	19 319	.4	1 127 442	.4	17 151	.4	590 402	.4
Missouri	2 891	.6	881 924	.2	67 198	.6	4 312 716	.5	57 935	.6	2 023 187	.6
Montana	9 059	.4	1 994 484	.4	14 216	.4	2 618 319	.3	12 902	.5	1 558 921	.3
Nebraska	18 804	.9	6 939 036	.7	29 298	.9	6 732 637	.4	23 881	.9	1 966 105	.7
Nevada	2 159	.8	764 738	.5	1 694	.9	518 115	.4	1 371	1.0	275 801	.4
New Hampshire	429	1.3	2 691	.8	953	.9	45 115	.5	540	1.3	4 206	2.0
New Jersey	2 089	.7	92 965	.2	1 703	.9	56 643	.6	1 039	1.1	12 192	1.3
New Mexico	7 444	.5	804 616	.3	8 677	.5	1 676 171	.2	6 894	.5	581 812	.3
New York	2 501	.7	69 197	.4	16 444	.5	1 450 090	.4	6 160	.6	86 078	.7
North Carolina	4 695	.6	156 250	.4	22 632	.5	941 311	.4	19 616	.5	435 672	.5
North Dakota	710	1.2	180 362	.8	14 232	1.0	1 810 409	.8	12 744	1.0	920 559	.9
Ohio	1 778	.8	33 997	.5	28 244	.4	1 282 546	.4	17 060	.5	293 570	.5
Oklahoma	2 710	.7	506 459	.4	58 023	.5	5 321 161	.3	49 284	.5	1 931 805	.4
Oregon	15 348	.5	1 948 739	.5	17 122	.4	1 559 162	.4	13 393	.4	695 635	.6
Pennsylvania	2 814	.7	36 150	.8	26 525	.5	1 672 295	.4	11 237	.5	169 134	.6
Rhode Island	180	–	3 265	–	200	–	5 749	–	129	–	1 062	–
South Carolina	1 248	.7	86 477	.3	9 902	.4	453 631	.4	8 671	.4	229 048	.5
South Dakota	1 439	.9	343 742	.6	20 502	.9	3 723 271	.6	17 428	.9	1 675 000	.6
Tennessee	1 768	.9	45 581	.4	51 089	.7	2 145 405	.5	44 235	.7	1 039 583	.5
Texas	18 756	.6	5 484 663	.3	144 354	.6	14 532 814	.3	124 980	.6	5 347 457	.5
Utah	11 291	.5	1 212 201	.5	7 986	.5	916 090	.4	5 749	.6	383 790	.6
Vermont	333	1.7	2 570	2.4	3 203	.8	308 267	.4	1 057	1.2	12 340	1.7
Virginia	2 337	.6	84 926	.4	26 547	.4	1 639 058	.3	21 753	.4	688 541	.3
Washington	13 131	.4	1 705 025	.2	11 721	.4	1 204 265	.2	8 627	.5	304 473	.5
West Virginia	268	1.4	3 285	4.1	12 284	.4	439 462	.4	10 367	.4	202 844	.4
Wisconsin	2 025	.9	341 813	.3	39 593	1.1	3 440 300	.9	11 642	.9	222 522	1.0
Wyoming	5 306	.6	1 719 463	.5	6 370	.6	1 690 264	.3	5 526	.6	862 639	.4

Geographic area	Livestock and poultry—Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)
United States	**116 874**	**.28**	**9 095 439**	**.16**	**109 754**	**.16**	**61 206 236**	**.07**	**65 790**	**.16**	**7 821 885**	**.13**
Alabama	608	1.2	27 848	.3	932	1.1	183 811	.5	294	1.9	8 173	2.7
Alaska	30	–	1 101	–	53	–	2 112	–	40	–	1 605	–
Arizona	247	1.5	123 371	(L)	206	2.4	141 112	.3	270	2.3	140 602	.2
Arkansas	1 193	.8	49 012	.6	1 247	.8	858 741	.3	400	1.5	8 284	1.9
California	2 650	.4	1 403 217	(L)	1 593	1.0	212 088	.4	3 014	.7	784 041	.2
Colorado	814	1.1	79 617	.2	1 225	1.0	787 440	.1	1 628	1.0	593 755	.3
Connecticut	370	1.1	28 017	.3	210	2.1	4 521	2.4	254	2.0	5 010	2.6
Delaware	132	2.1	9 241	.8	132	2.0	33 355	.5	50	3.5	1 167	2.3
Florida	666	1.2	159 614	.1	1 431	1.1	50 309	1.4	336	1.9	5 722	2.5
Georgia	984	.9	98 931	.2	1 764	1.0	514 029	.4	335	1.8	7 318	2.7
Hawaii	44	4.0	8 389	.1	248	2.2	29 440	2.2	104	3.4	22 541	.5
Idaho	1 404	.7	265 854	.1	714	1.2	29 026	2.0	1 097	1.0	273 804	.3
Illinois	2 238	1.1	127 702	.9	7 168	.9	4 679 166	.3	2 263	1.0	72 544	1.4
Indiana	3 216	.7	131 630	.5	6 442	.5	3 972 060	.2	1 927	.8	54 227	1.3
Iowa	4 208	.8	222 142	.6	17 243	.5	14 651 919	.2	4 431	.7	265 305	.8
Kansas	1 466	1.0	82 080	.6	2 831	.9	1 585 224	.3	1 478	1.0	119 099	1.2
Kentucky	3 393	.8	145 557	.6	1 881	.9	563 797	.3	795	1.2	21 664	1.7
Louisiana	982	.8	64 888	.5	633	1.3	20 338	1.4	346	1.6	5 233	2.2
Maine	685	.9	40 749	.4	341	1.7	5 977	3.4	426	1.6	10 603	2.1

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Livestock and poultry—Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)
Maryland	1 091	.9	84 953	.6	584	1.3	80 850	1.1	616	1.4	21 985	1.5
Massachusetts	483	1.3	26 846	.7	383	1.8	18 297	2.2	431	1.7	8 348	2.1
Michigan	3 990	1.3	300 641	.7	2 853	1.0	1 032 014	.4	1 628	1.0	72 107	1.5
Minnesota	9 603	.8	541 650	.6	7 512	.6	5 722 460	.2	2 627	.8	161 212	1.1
Mississippi	688	1.0	45 540	.6	662	1.2	215 936	.4	231	2.0	4 797	2.1
Missouri	4 175	.7	174 669	.6	5 419	.6	3 546 972	.2	1 984	.9	76 956	1.3
Montana	721	1.1	18 052	.6	627	1.2	177 740	.5	1 981	.7	416 012	.6
Nebraska	1 352	1.2	68 216	.9	6 017	.9	3 452 386	.4	1 615	1.2	98 773	1.6
Nevada	138	2.1	24 902	.1	113	3.2	7 419	.9	272	2.0	96 409	.2
New Hampshire	329	1.1	19 563	.4	249	1.9	4 373	3.7	344	1.7	6 925	2.5
New Jersey	296	1.2	18 041	.4	431	1.7	23 189	2.0	690	1.4	13 149	2.2
New Mexico	523	1.1	215 844	(L)	346	1.7	6 114	6.0	917	1.1	291 808	.4
New York	8 732	.7	700 480	.4	1 508	.8	79 000	.9	1 515	.8	61 440	1.4
North Carolina	1 092	.9	78 400	.4	2 986	.5	9 624 860	(L)	613	1.3	13 827	2.1
North Dakota	1 170	1.6	54 024	1.3	797	1.4	197 372	1.0	1 101	1.3	130 892	1.5
Ohio	5 425	.6	262 834	.4	5 952	.5	1 700 491	.3	3 549	.7	134 906	.9
Oklahoma	1 921	.8	87 647	.4	3 002	.8	1 689 700	.1	1 529	1.0	67 171	1.4
Oregon	1 052	.8	86 747	.3	1 383	.9	33 152	2.3	3 070	.7	282 872	.8
Pennsylvania	10 920	.6	621 530	.4	3 456	.6	1 100 754	.3	2 541	.8	85 925	1.4
Rhode Island	45	–	2 239	–	60	–	2 764	–	69	–	1 064	–
South Carolina	394	1.2	24 766	.2	1 226	.9	304 793	.2	168	2.2	3 316	5.8
South Dakota	1 802	1.1	95 882	.7	2 899	1.0	1 396 326	.4	2 354	1.0	416 570	.9
Tennessee	2 096	.7	111 985	.3	2 043	.9	321 806	.4	773	1.4	13 773	2.2
Texas	4 113	.6	374 816	.1	5 428	.8	578 664	.4	6 959	.7	1 531 614	.4
Utah	891	.7	92 953	.2	511	1.3	292 472	.2	1 438	.8	438 678	.4
Vermont	1 940	.8	162 868	.4	238	2.1	2 900	3.7	451	1.7	14 511	2.6
Virginia	1 671	.5	121 823	.2	1 170	.9	385 755	.2	1 456	.8	73 932	1.1
Washington	1 302	.6	247 191	.1	978	.9	38 030	1.5	1 189	.9	52 298	1.3
West Virginia	676	.9	18 497	.6	645	1.0	15 708	1.6	979	.8	40 709	1.0
Wisconsin	22 576	1.3	1 336 626	1.0	3 686	1.0	738 339	.7	2 100	1.0	76 113	1.7
Wyoming	337	1.6	6 254	1.9	296	1.7	91 135	.3	1 112	.9	713 096	.3

Geographic area	Livestock and poultry—Con.							
	Layers 20 weeks old and older inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)
United States	**69 761**	**.16**	**313 851 480**	**.08**	**23 937**	**.12**	**6 741 927 110**	**.02**
Alabama	1 146	1.0	10 703 589	.5	2 477	.2	871 123 702	(L)
Alaska	63	–	1 826	–	9	–	1 860	–
Arizona	368	2.0	(D)	(D)	20	7.1	(D)	(D)
Arkansas	1 643	.8	15 144 014	.6	3 650	.2	1 003 161 769	.1
California	2 670	.8	30 312 145	.1	240	1.6	237 723 294	.1
Colorado	1 577	1.0	3 595 189	(L)	74	3.5	11 933	6.9
Connecticut	377	1.6	3 757 535	(L)	30	5.6	342 656	1.2
Delaware	86	3.1	389 013	2.2	805	.5	223 298 115	.1
Florida	1 157	1.2	11 608 529	.2	321	1.0	105 967 210	.2
Georgia	1 122	1.0	16 295 617	.5	2 245	.2	1 017 501 305	.1
Hawaii	136	2.9	714 924	(L)	9	5.3	478 672	(L)
Idaho	865	1.1	922 612	.1	55	3.8	6 043	8.9
Illinois	1 687	1.1	3 535 791	.2	115	3.3	363 353	7.5
Indiana	1 785	.8	20 613 402	.2	204	2.2	10 391 178	2.1
Iowa	1 831	.9	21 509 521	.1	519	1.4	6 852 810	1.1
Kansas	1 964	.9	1 427 290	.3	93	3.2	35 018	8.3
Kentucky	1 882	.9	2 822 970	1.0	243	.9	91 548 829	(L)
Louisiana	828	1.1	1 934 181	1.3	319	.5	123 132 021	(L)
Maine	532	1.4	5 019 263	(L)	73	3.8	199 416	.6
Maryland	618	1.4	4 120 639	.4	997	.7	256 926 521	.3
Massachusetts	497	1.6	556 206	.7	41	5.4	(D)	(D)
Michigan	2 205	.9	4 928 067	(L)	336	1.7	393 028	5.6
Minnesota	1 892	.9	11 951 233	.2	621	1.2	28 456 532	.4
Mississippi	885	1.0	5 328 691	1.0	1 393	.2	554 915 961	(L)
Missouri	3 559	.8	7 175 652	.6	451	.9	202 970 912	.1
Montana	1 001	1.0	294 399	.1	61	3.3	112 821	.2
Nebraska	1 476	1.2	9 830 477	1.0	225	2.6	725 964	.9
Nevada	200	2.4	4 073	3.5	6	15.3	(D)	(D)
New Hampshire	394	1.6	184 333	.5	35	5.3	472 718	.2
New Jersey	813	1.3	2 086 908	.1	79	3.8	40 712	11.7
New Mexico	651	1.3	(D)	(D)	11	10.0	(D)	(D)
New York	1 842	.8	3 784 743	.1	172	2.2	1 310 733	1.5
North Carolina	1 566	.9	12 306 292	.7	2 086	.3	591 248 423	.1
North Dakota	537	1.9	199 319	.4	83	4.0	193 401	25.6
Ohio	3 065	.7	26 135 888	.2	496	1.3	41 135 469	.8
Oklahoma	3 169	.8	4 186 985	.8	632	.6	169 292 948	.1
Oregon	2 199	.8	2 748 184	.1	156	2.1	18 966 576	.6
Pennsylvania	3 147	.7	24 396 990	.1	845	.8	118 545 429	.1
Rhode Island	92	–	57 722	–	5	–	(D)	(D)

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Livestock and poultry—Con.							
	Layers 20 weeks old and older inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)
South Carolina	695	1.1	5 052 008	.2	366	.4	158 678 646	(L)
South Dakota	725	1.3	2 178 074	.3	92	3.0	285 735	.5
Tennessee	2 525	1.1	1 654 134	1.0	548	.7	120 830 210	.1
Texas	6 259	.8	17 200 764	.3	1 000	.7	388 114 496	.1
Utah	527	1.4	1 729 365	(L)	19	6.9	(D)	(D)
Vermont	502	1.5	254 695	.1	57	4.2	49 535	7.2
Virginia	1 519	.9	3 767 755	.6	671	.4	258 684 455	.1
Washington	1 504	.8	4 787 360	.1	162	1.8	30 183 641	.1
West Virginia	1 085	.8	1 448 777	1.5	186	.9	79 193 428	.1
Wisconsin	2 457	1.0	3 692 115	.3	587	1.4	27 607 761	.1
Wyoming	436	1.5	10 895	3.3	17	7.8	914	18.1

Geographic area	Selected crops harvested											
	Corn for grain or seed						Wheat for grain					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Bushels	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Bushels	Relative standard error of estimate[1] (percent)
United States	**430 711**	**.21**	**69 796 716**	**.17**	**8 578 634 770**	**.17**	**243 568**	**.18**	**58 836 344**	**.14**	**2 204 026 684**	**.12**
Alabama	3 687	.6	230 484	.4	19 735 218	.4	732	.9	82 440	.6	3 326 421	.5
Alaska	–	–	–	–	–	–	3	–	(D)	(D)	(D)	(D)
Arizona	140	1.7	40 091	.8	6 498 484	.8	304	.8	103 121	.3	9 114 709	.2
Arkansas	831	.6	184 079	.3	21 901 248	.3	3 361	.5	763 388	.2	35 361 702	.2
California	958	.7	256 292	.4	42 230 303	.4	2 065	.6	581 071	.3	42 372 177	.3
Colorado	3 579	.7	919 784	.4	130 170 731	.3	5 407	.8	2 515 100	.4	76 656 526	.4
Connecticut	75	2.9	5 460	1.9	605 666	1.5	2	16.0	(D)	(D)	(D)	(D)
Delaware	985	1.0	157 011	.5	15 670 883	.5	652	1.1	75 265	.6	4 987 739	.5
Florida	1 268	.9	69 623	.8	5 440 956	.8	189	2.0	16 231	1.8	585 557	1.7
Georgia	5 196	.7	404 268	.5	40 568 303	.4	2 115	.8	299 188	.5	12 691 834	.5
Hawaii	–	–	–	–	–	–	–	–	–	–	–	–
Idaho	694	1.1	41 162	.7	6 390 279	.8	5 199	.6	1 410 978	.3	108 941 849	.3
Illinois	48 443	1.0	10 710 072	.7	1 363 015 453	.7	14 822	1.0	983 556	.8	53 954 013	.8
Indiana	30 642	.5	5 473 792	.3	652 547 322	.3	10 658	.5	545 027	.4	29 209 090	.4
Iowa	61 860	.6	11 595 308	.5	1 537 482 128	.5	719	1.2	22 123	1.8	905 333	2.0
Kansas	10 833	.7	2 497 516	.3	356 413 100	.3	30 392	.8	9 560 615	.5	407 515 802	.5
Kentucky	11 021	.7	1 086 381	.3	110 787 023	.3	3 180	.7	408 771	.2	21 658 648	.2
Louisiana	1 462	.6	411 072	.3	47 951 435	.3	528	1.0	98 911	.6	3 755 759	.6
Maine	49	3.5	3 604	1.7	(D)	(D)	15	6.4	551	1.9	32 881	1.2
Maryland	3 554	.9	405 451	.5	36 823 284	.5	2 339	.9	199 351	.5	12 711 370	.5
Massachusetts	99	2.9	4 951	2.8	590 748	2.4	–	–	–	–	–	–
Michigan	16 712	1.3	2 122 283	.8	238 319 129	.7	8 976	1.4	499 742	1.0	28 432 159	.9
Minnesota	37 630	.7	6 227 640	.4	783 739 207	.4	9 518	.7	2 391 598	.3	74 531 074	.3
Mississippi	2 497	.6	405 393	.3	43 851 007	.2	697	.8	155 049	.4	6 547 211	.4
Missouri	18 417	.6	2 477 027	.4	274 381 159	.3	12 394	.6	1 055 664	.4	52 178 347	.4
Montana	180	1.6	12 925	1.8	1 616 456	1.4	7 932	.4	5 602 336	.2	172 214 482	.2
Nebraska	29 149	1.0	8 279 499	.7	1 055 193 186	.7	9 826	1.0	1 772 069	.7	61 578 806	.7
Nevada	8	7.0	396	5.8	46 160	5.5	73	2.6	19 034	1.0	1 903 995	.7
New Hampshire	35	4.1	1 211	1.9	127 024	1.6	–	–	–	–	–	–
New Jersey	1 110	.9	89 252	.5	9 572 100	.5	541	1.1	38 104	.6	2 191 141	.5
New Mexico	316	1.2	80 122	.2	13 795 021	.2	711	.8	264 190	.5	8 605 057	.5
New York	5 493	.6	578 715	.3	62 242 783	.3	1 887	.7	120 927	.5	6 339 980	.4
North Carolina	8 862	.5	821 039	.3	74 423 999	.3	5 949	.5	616 397	.3	30 357 728	.3
North Dakota	2 812	.7	578 953	.3	54 996 430	.3	19 488	.9	10 874 126	.5	260 522 260	.4
Ohio	31 517	.5	3 378 205	.3	429 619 833	.3	18 747	.5	994 276	.4	55 105 157	.4
Oklahoma	706	.9	150 404	.4	20 917 282	.3	13 935	.6	4 825 074	.4	141 302 977	.3
Oregon	244	1.6	27 029	.9	5 132 811	.7	2 531	.6	882 862	.3	54 694 903	.3
Pennsylvania	18 732	.5	970 895	.4	93 320 717	.3	6 381	.5	167 488	.4	8 526 375	.4
Rhode Island	9	–	45	–	(D)	(D)	–	–	–	–	–	–
South Carolina	3 531	.5	300 934	.3	28 107 576	.2	2 138	.6	306 935	.2	14 500 101	.2
South Dakota	14 342	1.0	3 175 113	.6	295 056 391	.6	9 561	.8	3 177 527	.4	89 470 811	.4
Tennessee	5 854	.6	575 878	.3	58 459 483	.2	2 360	.6	305 175	.2	13 482 402	.2
Texas	5 855	.5	1 656 229	.2	219 361 590	.2	13 669	.6	3 860 325	.4	108 242 787	.3
Utah	377	1.3	17 200	.9	2 533 052	.9	1 148	.8	182 372	.6	7 832 313	.6
Vermont	131	1.5	8 233	1.2	938 996	1.2	14	6.6	448	4.3	21 695	2.4
Virginia	4 395	.4	318 208	.3	29 480 704	.2	2 888	.5	257 063	.3	15 504 394	.3
Washington	514	.8	84 300	.4	16 163 861	.4	4 097	.5	2 422 506	.3	151 124 143	.3
West Virginia	1 150	.7	35 499	.8	3 270 197	.7	191	1.5	7 620	1.2	421 453	1.2
Wisconsin	34 315	1.1	2 877 971	.8	362 498 739	.8	4 578	1.0	150 469	.8	8 083 650	.7
Wyoming	442	1.1	49 717	1.1	6 261 074	1.2	656	1.0	221 041	.8	6 520 663	.8

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Selected crops harvested—Con.											
	Cotton						Soybeans for beans					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Bales	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Bushels	Relative standard error of estimate[1] (percent)
United States	**31 493**	**.25**	**13 235 236**	**.13**	**17 878 743**	**.08**	**354 692**	**.21**	**66 147 726**	**.15**	**2 504 307 294**	**.16**
Alabama	1 470	.6	433 160	.3	523 864	.2	1 889	.6	316 019	.4	7 867 880	.4
Alaska	–	–	–	–	–	–	–	–	–	–	–	–
Arizona	643	.7	331 699	.2	837 643	.2	1	–	(D)	(D)	(D)	(D)
Arkansas	1 730	.5	962 272	.1	1 621 344	.1	6 889	.5	3 571 342	.2	103 074 994	.2
California	1 833	.4	1 036 316	.1	2 543 194	.1	–	–	–	–	–	–
Colorado	–	–	–	–	–	–	14	6.3	1 621	3.4	51 320	4.3
Connecticut	–	–	–	–	–	–	2	–	(D)	(D)	(D)	(D)
Delaware	–	–	–	–	–	–	1 125	1.0	222 785	.6	6 560 094	.5
Florida	343	1.2	93 504	.7	128 600	.6	404	1.4	41 021	1.2	1 025 521	1.2
Georgia	4 188	.7	1 367 620	.3	1 764 127	.2	2 864	.8	351 359	.6	7 078 444	.6
Hawaii	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Idaho	–	–	–	–	–	–	–	–	–	–	–	–
Illinois	–	–	–	–	–	–	47 008	1.0	9 825 475	.7	415 716 620	.7
Indiana	–	–	–	–	–	–	28 056	.5	5 003 186	.3	210 645 005	.3
Iowa	–	–	–	–	–	–	56 436	.6	9 944 865	.5	445 574 589	.5
Kansas	45	3.0	(D)	(D)	(D)	(D)	14 733	.8	2 208 642	.6	78 563 054	.6
Kentucky	1	–	(D)	(D)	(D)	(D)	6 644	.7	1 214 938	.3	41 294 246	.3
Louisiana	1 586	.6	647 257	.3	970 097	.2	3 511	.6	1 260 523	.3	36 152 458	.3
Maine	–	–	–	–	–	–	18	2.9	804	1.4	20 993	1.4
Maryland	–	–	–	–	–	–	3 226	.9	509 683	.5	15 171 466	.5
Massachusetts	–	–	–	–	–	–	7	10.3	214	10.2	8 270	9.8
Michigan	–	–	–	–	–	–	12 561	1.3	1 694 872	1.0	62 242 411	.9
Minnesota	–	–	–	–	–	–	31 292	.6	6 174 563	.4	233 714 926	.4
Mississippi	1 701	.4	966 443	.1	1 714 762	.1	3 851	.4	1 964 202	.2	59 370 926	.2
Missouri	863	.7	388 725	.3	554 360	.2	24 201	.6	4 671 797	.4	164 562 845	.4
Montana	–	–	–	–	–	–	–	–	–	–	–	–
Nebraska	–	–	–	–	–	–	21 072	1.0	3 346 701	.8	131 017 170	.8
Nevada	–	–	–	–	–	–	–	–	–	–	–	–
New Hampshire	–	–	–	–	–	–	4	–	141	–	6 293	–
New Jersey	–	–	–	–	–	–	914	.9	116 557	.5	3 599 073	.5
New Mexico	459	.9	67 996	.6	113 281	.6	3	–	157	–	4 253	–
New York	–	–	–	–	–	–	952	.8	99 879	.5	3 685 535	.5
North Carolina	2 320	.6	677 541	.2	916 278	.2	9 933	.5	1 280 412	.3	35 785 336	.3
North Dakota	–	–	–	–	–	–	3 405	.6	1 062 624	.3	31 069 124	.3
Ohio	–	–	–	–	–	–	28 554	.5	4 115 575	.4	172 972 596	.3
Oklahoma	849	1.0	176 962	.5	190 186	.4	1 921	.7	323 082	.5	9 498 068	.5
Oregon	–	–	–	–	–	–	–	–	–	–	–	–
Pennsylvania	–	–	–	–	–	–	6 486	.5	347 981	.4	12 941 343	.4
Rhode Island	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
South Carolina	894	.6	285 858	.1	397 545	.1	3 044	.5	507 687	.2	11 554 522	.2
South Dakota	–	–	–	–	–	–	11 700	1.0	2 939 146	.6	100 762 163	.6
Tennessee	1 156	.7	472 165	.2	629 487	.2	4 926	.6	1 156 282	.2	37 976 452	.2
Texas	10 971	.6	5 221 561	.3	4 828 062	.3	1 705	.8	381 187	.6	10 114 310	.5
Utah	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Vermont	–	–	–	–	–	–	18	5.1	1 178	3.6	37 867	4.2
Virginia	441	.8	98 244	.3	137 085	.2	3 135	.5	487 001	.3	11 406 611	.3
Washington	–	–	–	–	–	–	–	–	–	–	–	–
West Virginia	–	–	–	–	–	–	157	1.6	13 132	1.4	482 228	1.4
Wisconsin	–	–	–	–	–	–	12 028	1.0	990 531	.7	42 681 842	.7
Wyoming	–	–	–	–	–	–	–	–	–	–	–	–

Geographic area	Selected crops harvested—Con.									
	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)						Vegetables harvested for sale (see text)			
	Farms		Acres		Quantity		Farms		Acres	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Tons, dry	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)
United States	**888 597**	**.12**	**60 799 788**	**.12**	**139 365 313**	**.12**	**53 727**	**.16**	**3 773 219**	**.07**
Alabama	19 085	.5	778 602	.5	1 750 870	.5	996	1.1	20 809	.9
Alaska	267	–	24 023	–	28 664	–	48	–	315	–
Arizona	1 170	.9	243 946	.4	1 667 752	.3	302	1.2	131 204	.1
Arkansas	22 201	.5	1 232 771	.5	2 396 515	.5	536	1.3	14 480	1.0
California	8 636	.5	1 698 773	.3	8 344 564	.2	4 490	.6	1 209 259	(L)
Colorado	13 446	.7	1 607 991	.7	3 989 176	.7	546	1.1	43 026	.3
Connecticut	1 670	.8	81 752	.7	158 978	.7	620	1.2	10 008	.7
Delaware	467	1.5	15 918	1.5	37 696	1.5	270	1.6	45 491	.3
Florida	4 798	.7	265 985	.7	697 410	.7	1 500	.9	250 562	.2
Georgia	14 066	.6	553 243	.6	1 340 678	.6	1 797	.8	118 806	.3
Hawaii	9	10.9	1 475	3.9	5 253	2.6	657	1.3	6 549	.6
Idaho	11 960	.6	1 260 010	.6	4 395 396	.5	645	1.0	37 783	.6
Illinois	24 156	.9	822 508	.9	2 248 811	.9	1 262	1.1	66 780	.9
Indiana	22 923	.5	674 789	.5	1 756 825	.5	1 125	.9	30 139	.7
Iowa	37 711	.6	1 575 777	.6	4 365 999	.6	786	1.2	12 533	2.3
Kansas	30 573	.7	2 565 482	.6	6 147 197	.6	398	1.6	3 128	3.7
Kentucky	46 388	.6	2 009 061	.7	4 138 965	.7	1 007	1.1	4 486	1.2
Louisiana	8 607	.5	404 508	.6	948 545	.6	441	1.4	5 641	1.9
Maine	2 810	.7	214 005	.7	332 039	.6	611	1.2	11 745	.6

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Selected crops harvested—Con.									
	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)						Vegetables harvested for sale (see text)			
	Farms		Acres		Quantity		Farms		Acres	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Tons, dry	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)
Maryland	5 223	.8	223 014	.8	450 781	.8	951	1.2	35 958	.8
Massachusetts	2 168	.9	100 218	1.0	181 885	1.0	935	1.1	16 039	.9
Michigan	20 858	.9	1 264 350	.9	2 830 915	.9	2 498	1.0	128 349	.5
Minnesota	35 500	.6	2 168 932	.6	5 033 905	.7	3 002	.7	219 881	.5
Mississippi	13 999	.4	648 809	.4	1 486 117	.5	507	1.4	7 280	1.5
Missouri	57 483	.6	3 661 772	.6	6 847 820	.6	858	1.1	21 007	.7
Montana	13 536	.4	2 528 517	.3	4 745 596	.3	125	2.6	756	3.9
Nebraska	25 215	.9	2 932 880	.7	6 118 280	.7	266	2.3	3 208	3.6
Nevada	1 640	.9	478 358	.4	1 458 687	.4	37	3.7	4 415	.1
New Hampshire	1 462	.8	78 832	.7	140 513	.8	339	1.5	3 490	1.1
New Jersey	3 022	.8	114 523	.8	224 259	.7	1 577	.8	63 414	.2
New Mexico	4 616	.6	318 213	.5	1 207 842	.4	526	1.1	38 375	.2
New York	20 805	.5	2 073 486	.5	4 035 722	.5	2 720	.6	169 331	.3
North Carolina	19 761	.5	602 755	.5	1 218 338	.5	2 160	.8	50 079	.6
North Dakota	14 707	1.0	2 702 807	.9	3 765 662	.9	123	3.2	903	4.0
Ohio	31 475	.4	1 196 243	.4	2 813 975	.4	2 177	.7	45 591	.5
Oklahoma	35 751	.5	2 478 944	.5	4 651 859	.4	629	1.4	19 240	.7
Oregon	12 933	.5	1 066 643	.5	3 009 247	.5	1 432	.7	155 242	.3
Pennsylvania	31 387	.5	1 890 462	.4	3 931 973	.4	3 103	.7	44 533	.7
Rhode Island	255	–	8 189	–	16 680	–	126	–	1 907	–
South Carolina	7 618	.4	287 002	.5	592 327	.5	1 040	.8	28 774	.4
South Dakota	19 298	.9	3 584 798	.7	6 590 651	.7	150	2.4	1 238	5.3
Tennessee	44 161	.6	1 646 290	.5	3 326 031	.5	1 162	1.1	34 609	.4
Texas	83 219	.6	4 277 199	.6	9 605 686	.6	2 432	.8	140 522	.4
Utah	9 033	.5	740 740	.5	2 533 360	.5	294	1.6	6 695	1.3
Vermont	3 782	.8	385 562	.6	703 077	.6	333	1.8	2 893	1.8
Virginia	25 028	.4	1 189 425	.3	2 291 672	.3	1 008	.9	25 479	.5
Washington	10 108	.4	800 677	.4	3 013 551	.4	1 506	.6	209 456	.2
West Virginia	13 895	.4	525 257	.4	886 054	.4	362	1.3	1 588	1.7
Wisconsin	44 115	1.0	3 554 932	1.0	8 606 243	1.0	3 288	.9	270 130	.5
Wyoming	5 601	.6	1 239 340	.4	2 295 272	.5	24	5.8	93	3.4

Geographic area	Selected crops harvested–Con.			
	Land in orchards			
	Farms		Acres	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)
United States	**106 069**	**.24**	**5 158 064**	**.18**
Alabama	1 874	.9	29 109	1.2
Alaska	4	–	3	–
Arizona	843	1.3	67 459	.7
Arkansas	646	1.3	14 334	1.5
California	38 747	.6	2 582 084	.3
Colorado	761	1.2	7 753	1.9
Connecticut	253	1.9	3 546	1.5
Delaware	31	6.0	1 200	1.6
Florida	9 379	.7	981 910	.2
Georgia	3 541	.8	155 984	.6
Hawaii	2 786	.9	37 906	.4
Idaho	377	1.5	9 903	1.0
Illinois	734	1.4	8 645	1.8
Indiana	571	1.3	5 835	2.1
Iowa	448	1.5	2 616	2.8
Kansas	406	1.7	6 834	6.0
Kentucky	715	1.3	3 537	2.3
Louisiana	821	1.1	16 842	2.5
Maine	334	1.7	5 170	.9
Maryland	422	1.7	5 251	1.7
Massachusetts	431	1.6	6 546	1.7
Michigan	2 863	.9	139 607	.8
Minnesota	533	1.5	4 390	2.3
Mississippi	902	1.1	13 428	1.4
Missouri	1 004	1.2	16 525	1.9
Montana	261	1.9	1 236	4.4
Nebraska	143	3.1	912	6.0
Nevada	68	3.5	530	1.3
New Hampshire	219	2.0	3 414	1.6
New Jersey	577	1.4	13 459	.5
New Mexico	1 744	.8	33 600	.7
New York	2 436	.6	101 628	.5
North Carolina	1 213	1.0	15 388	1.5
North Dakota	40	5.2	124	5.5
Ohio	1 395	.9	14 078	1.1
Oklahoma	2 733	.8	86 272	1.0
Oregon	3 869	.6	96 270	.6
Pennsylvania	2 069	.8	56 029	.7
Rhode Island	54	–	389	–

See footnotes at end of table.

Table F. **Reliability Estimates for the United States and State Totals: 1997**—Con.

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

Geographic area	Selected crops harvested–Con.			
	Land in orchards			
	Farms		Acres	
	Number	Relative standard error of estimate[1] (percent)	Number	Relative standard error of estimate[1] (percent)
South Carolina	885	1.0	24 775	.5
South Dakota	52	3.4	303	1.5
Tennessee	1 043	1.4	4 427	1.7
Texas	8 804	.7	211 938	.7
Utah	631	1.2	10 162	1.5
Vermont	228	2.2	4 311	2.0
Virginia	1 080	1.0	27 650	.8
Washington	5 700	.5	301 376	.2
West Virginia	530	1.2	12 446	.9
Wisconsin	853	1.2	10 851	1.9
Wyoming	16	7.7	81	2.6

[1]Due to some minor revisions, some relative standard error estimates (percent) may not agree with what was published in State volume table C.
[2]Data are based on a sample of farms.

Table G. **U.S. Coverage Estimates: 1997**

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

Item	Census total	Coverage total[1]	Adjusted census		Coverage adjustment (percent)
			Total	Relative standard error (percent)	
Farms ..... number	1 911 859	303 233	2 215 092	.40	13.69
Land in farms ..... acres	931 795 255	20 577 887	952 373 142	.29	2.16
Average size of farm ..... acres	487	68	430	(X)	(X)
Farms by size of farm:					
Less than 10 acres	153 515	52 977	206 492	2.01	25.66
10 to 49 acres	410 833	135 363	546 196	.95	24.78
50 to 179 acres	592 972	85 202	678 174	.60	12.56
180 acres or more	754 539	29 691	784 230	.34	3.79
Farms by value of sales:					
Less than $2,500	496 514	204 026	700 540	.91	29.12
$2,500 to $9,999	466 452	63 323	529 775	.69	11.95
$10,000 or more	948 893	35 884	984 777	.33	3.64
Market value of agricultural products sold $1,000	196 864 649	803 026	197 667 675	.23	.41
Farms by type of organization:					
Individual or family	1 643 424	297 960	1 941 384	.44	15.35
Partnership, corporation, or other	268 435	5 273	273 708	.67	1.93
Farms by tenure of operator:					
Full owners	1 146 891	239 520	1 386 411	.54	17.28
Part owners	573 839	40 462	614 301	.44	6.59
Tenants	191 129	23 251	214 380	1.01	10.85
Operators by place of residence:					
On farm operated	1 361 766	233 222	1 594 988	.46	14.62
Not on farm operated	412 554	37 819	450 373	.69	8.40
Not reported	137 539	32 192	169 731	1.44	18.97
Operators by principal occupation:					
Farming	961 560	68 581	1 030 141	.40	6.66
Other	950 299	234 652	1 184 951	.62	19.80
Operators by sex:					
Male	1 746 757	258 645	2 005 402	.40	12.90
Female	165 102	44 588	209 690	1.39	21.26
Operators by race:					
White	1 864 201	290 049	2 154 250	.39	13.46
Black and other races	47 658	13 184	60 842	2.79	21.67
Operators by years on present farm:					
4 years or less	219 365	59 836	279 201	1.07	21.43
5 years or more	1 377 481	176 868	1 554 349	.38	11.38
Not reported	315 013	66 529	381 542	1.26	17.44

[1] See text in Appendix C regarding coverage estimates.