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.

Table A quantifies the effect of the nonresponse estimation procedure on selected census data items. The percentages in this table 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 this table 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 B provides the generalized reliability estimates of the estimated number of farms in a county that reported complete count and sample count items. The top half of the table shows the percent relative standard errors for estimated number of farms in a county that reported a complete count item, and the bottom half relates to sample count items. These reliability estimates are derived from regression equations. Separate regression equations were used to produce each section of table B. Each regression equation was fit with the estimated number of farms in a county reporting an item as the independent variable and the relative variance of that estimate as the dependent variable for the appropriate counties in the State. To illustrate the use of this table, assume that the estimate of the number of farms reporting hogs and pigs for a particular county, as given in county table 15, is 89. Since hogs and pigs is a complete count data item, refer to the first part of table B and use the estimated percent relative standard error of the estimate from the row with farm count equal to or just less than the estimated number of farms, 89. For this example, the percent relative standard error of the estimate comes from the row for 75 farms reporting. For sample count items, follow the same procedure using the second part of table B. For counties with fewer than 100 farms in the 1992 Census of Agriculture, variability in sample count

item estimates came only from nonresponse survey estimation procedures. The estimated relative standard error for a sample count item in these counties may be obtained using the first part of table B.

Use caution when referring to the ''Sample Count Item'' section of table B to make inferences on counties. Some counties may have been sampled at the rate of 1 in 2 or 1 in 4, but the reliability estimates shown were computed using only data from counties sampled at the rate of 1 in 6. Therefore, the reliability estimates shown would likely be overstated (or conservative) if the county was actually sampled at a higher rate.

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

Table E presents the standard error for percent change in State 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 State and county totals for selected data items. The percent relative standard error of the estimate for the same item differs among counties in the State. Reasons for this are differences among counties in 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 State Totals Contributed by Whole Farm Nonresponse Estimation: 1997

Item	Percent of total	Item	Percent of total
Farms ..... number	15.1	Corn for grain or seed ..... acres	1.7
Land in farms ..... acres	8.7	Wheat for grain ..... acres	6.8
Estimated market value of land and buildings[1] $1,000	9.8	Livestock and poultry inventory:	
Market value of agricultural products sold $1,000	3.5	Cattle and calves ..... number	7.7
Harvested cropland ..... acres	7.7	Hogs and pigs ..... number	.5
		Layers 20 weeks old and older ..... number	2.9

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

Table B. Reliability Estimates for Number of Farms in a County Reporting a Complete Count Item or Sample Count Item: 1997

Farms	Relative standard error of estimate (percent)	Farms	Relative standard error of estimate (percent)
COMPLETE COUNT ITEM		SAMPLE COUNT ITEM	
Number of farms reporting:		Number of farms reporting:	
25	6.7	25	38.5
50	4.6	50	27.6
75	3.6	75	22.8
100	3.0	100	20.0
150	2.2	150	16.8
200	1.7	200	14.9
300	1.0	300	12.7
500	.8	500	10.6
750	.7	750	9.5
1,000	.6	1,000	8.8
1,500	.5	1,500	8.1
2,000	.4	2,000	7.7

Table C. **Reliability Estimates of State 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..	74 214	.5
Land in farms ..... acres..	33 218 677	.4
Average size of farm ..... acres..	448	.6
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ..... farms..	74 214	.5
$1,000..	4 146 351	.2
Average per farm ..... dollars..	55 870	.6
Farms by value of sales:		
Less than $1,000 (see text) ..... farms..	10 470	.8
$1,000..	2 650	.9
$1,000 to $2,499 ..... farms..	10 006	.8
$1,000..	16 850	.8
$2,500 to $4,999 ..... farms..	11 713	.7
$1,000..	42 268	.7
$5,000 to $9,999 ..... farms..	12 341	.7
$1,000..	87 742	.7
$10,000 to $19,999 ..... farms..	10 245	.7
$1,000..	143 425	.7
$20,000 to $24,999 ..... farms..	2 624	.9
$1,000..	58 111	.9
$25,000 to $39,999 ..... farms..	4 463	.8
$1,000..	140 051	.8
$40,000 to $49,999 ..... farms..	1 771	1.0
$1,000..	78 710	1.0
$50,000 to $99,999 ..... farms..	4 285	.8
$1,000..	301 780	.8
$100,000 to $249,999 ..... farms..	3 661	.4
$1,000..	573 715	.3
$250,000 to $499,999 ..... farms..	1 591	–
$1,000..	551 350	–
$500,000 or more ..... farms..	1 044	–
$1,000..	2 149 698	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops ..... farms..	25 704	.5
$1,000..	907 865	.3
Grains ..... farms..	15 197	.6
$1,000..	582 290	.3
Corn for grain ..... farms..	601	.9
$1,000..	52 660	.3
Wheat ..... farms..	13 878	.6
$1,000..	427 081	.3
Soybeans ..... farms..	1 914	.7
$1,000..	56 350	.5
Sorghum for grain ..... farms..	2 209	.7
$1,000..	38 569	.5
Barley ..... farms..	26	5.0
$1,000..	157	2.3
Oats ..... farms..	347	1.6
$1,000..	1 476	2.0
Other grains ..... farms..	436	1.4
$1,000..	5 995	1.2
Cotton and cottonseed ..... farms..	848	1.0
$1,000..	57 711	.4
Tobacco ..... farms..	–	–
$1,000..	–	–
Hay, silage, and field seeds ..... farms..	11 904	.6
$1,000..	88 715	.6
Vegetables, sweet corn, and melons ..... farms..	628	1.4
$1,000..	13 671	.8
Fruits, nuts, and berries ..... farms..	1 204	1.0
$1,000..	9 622	1.3
Nursery and greenhouse crops ..... farms..	616	1.4
$1,000..	109 004	.3
Other crops ..... farms..	793	1.1
$1,000..	46 854	.7
Livestock, poultry, and their products ..... farms..	60 215	.5
$1,000..	3 238 485	.1
Poultry and poultry products ..... farms..	1 900	.8
$1,000..	402 675	.1
Dairy products ..... farms..	1 020	.9
$1,000..	150 219	.3
Cattle and calves ..... farms..	56 600	.5
$1,000..	2 311 232	.2
Hogs and pigs ..... farms..	2 082	.9
$1,000..	341 925	.1
Sheep, lambs, and wool ..... farms..	1 279	1.1
$1,000..	4 677	1.6
Other livestock and livestock products (see text) ..... farms..	4 473	.8
$1,000..	27 757	1.1
Value of agricultural products sold directly to individuals for human consumption (see text) ..... farms..	1 898	1.0
$1,000..	4 009	1.4
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ..... farms..	74 222	.5
$1,000..	3 576 456	.2
Average per farm ..... dollars..	48 186	.6
Livestock and poultry purchased ..... farms..	26 102	1.2
$1,000..	1 100 066	.3
Feed for livestock and poultry ..... farms..	53 275	.7
$1,000..	900 546	.3
Commercially mixed formula feeds ..... farms..	30 085	1.1
$1,000..	451 587	.3
Seeds, bulbs, plants, and trees ..... farms..	19 439	1.4
$1,000..	43 927	1.2
Commercial fertilizer ..... farms..	37 094	.9
$1,000..	163 334	1.0
Agricultural chemicals ..... farms..	25 453	1.2
$1,000..	65 621	1.2
Petroleum products ..... farms..	68 490	.6
$1,000..	156 445	.7
Electricity ..... farms..	39 283	.9
$1,000..	35 944	.8
Hired farm labor ..... farms..	20 628	1.4
$1,000..	183 170	.6
Contract labor ..... farms..	9 370	2.2
$1,000..	27 587	2.4
Repair and maintenance ..... farms..	57 440	.7
$1,000..	183 808	.8
Customwork, machine hire, and rental of machinery and equipment ..... farms..	18 893	1.5
$1,000..	65 643	1.5
Interest ..... farms..	31 323	1.1
$1,000..	224 537	.9
Secured by real estate ..... farms..	21 305	1.4
$1,000..	129 019	1.2
Not secured by real estate ..... farms..	18 282	1.5
$1,000..	95 518	.9
Cash rent ..... farms..	20 666	1.4
$1,000..	107 452	1.1
Property taxes ..... farms..	70 905	.6
$1,000..	72 271	.9
All other farm production expenses ..... farms..	63 762	.6
$1,000..	246 104	.5
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]		
All farms ..... number..	74 222	.5
$1,000..	456 080	1.5
Average per farm ..... dollars..	6 145	1.5
Farms with net gains[2] ..... number..	33 245	1.0
$1,000..	743 213	.7
Average net gain ..... dollars..	22 356	1.2
Farms with net losses ..... number..	40 977	.9
$1,000..	287 133	1.3
Average net loss ..... dollars..	7 007	1.6
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ..... farms..	20 218	.6
$1,000..	127 920	.5
Other farm-related income[1] ..... farms..	13 253	1.8
$1,000..	68 159	2.9
Customwork and other agricultural services ..... farms..	4 750	3.3
$1,000..	35 241	4.0
Gross cash rent or share payments ..... farms..	4 983	3.3
$1,000..	25 137	5.2
Forest products, excluding Christmas trees and maple products ..... farms..	579	10.0
$1,000..	2 177	14.9
Other farm-related income sources ..... farms..	5 176	2.8
$1,000..	5 604	5.1
COMMODITY CREDIT CORPORATION LOANS		
Total ..... farms..	1 832	.9
$1,000..	26 668	.6

See footnotes at end of table.

Table C. **Reliability Estimates of State 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	58 741	.5
	acres	14 843 823	.4
Harvested cropland	farms	44 786	.5
	acres	8 462 079	.4
Farms by acres harvested:			
1 to 9 acres	farms	2 891	.9
	acres	13 766	1.0
10 to 19 acres	farms	4 903	.8
	acres	63 780	.8
20 to 29 acres	farms	4 738	.8
	acres	104 499	.8
30 to 49 acres	farms	7 232	.7
	acres	264 001	.7
50 to 99 acres	farms	8 427	.7
	acres	573 485	.7
100 to 199 acres	farms	6 336	.7
	acres	846 821	.8
200 to 499 acres	farms	5 714	.7
	acres	1 762 067	.7
500 to 999 acres	farms	2 752	.6
	acres	1 905 017	.6
1,000 acres or more	farms	1 793	–
	acres	2 928 643	–
Cropland:			
Pasture or grazing only	farms	33 970	.5
	acres	4 980 365	.5
Other cropland	farms	9 552	.7
	acres	1 401 379	.7
Total woodland	farms	19 801	.6
	acres	2 131 519	.5
Pastureland and rangeland other than cropland and woodland pastured	farms	36 763	.5
	acres	15 431 722	.3
Land in house lots, ponds, roads, wasteland, etc.	farms	33 238	.5
	acres	811 613	.6
Irrigated land	farms	2 710	.7
	acres	506 459	.4
Acres irrigated:			
1 to 9 acres	farms	697	1.4
	acres	1 794	1.8
10 to 49 acres	farms	550	1.5
	acres	14 101	1.6
50 to 99 acres	farms	387	1.7
	acres	26 583	1.8
100 to 199 acres	farms	365	1.4
	acres	49 279	1.4
200 to 499 acres	farms	450	1.0
	acres	136 223	1.0
500 to 999 acres	farms	170	.7
	acres	121 700	.7
1,000 acres or more	farms	91	–
	acres	156 779	–
Harvested cropland irrigated	farms	2 439	.7
	acres	464 133	.4
Pasture and other land irrigated	farms	465	1.5
	acres	42 326	1.6
Land under Conservation Reserve or Wetlands Reserve Programs	farms	5 443	.9
	acres	955 313	1.0
VALUE OF LAND AND BUILDINGS[1]			
Estimated market value of land and buildings	farms	74 222	.5
	$1,000	20 188 097	.8
Average per farm	dollars	271 996	.9
Average per acre	dollars	610	1.0
VALUE OF MACHINERY AND EQUIPMENT[1]			
Estimated market value of all machinery and equipment	farms	74 220	.5
	$1,000	2 741 400	.9
Average per farm	dollars	36 936	1.0
AGRICULTURAL CHEMICALS[1]			
Commercial fertilizer	farms	37 033	.9
	acres on which used	7 853 463	.9

Item		Total	Relative standard error of estimate (percent)
TENURE OF OPERATOR			
All operators	farms	74 214	.5
	acres	33 218 677	.4
Full owners	farms	41 550	.6
	acres	9 477 509	.5
Part owners	farms	25 169	.5
	acres	20 399 796	.3
Tenants	farms	7 495	.7
	acres	3 341 372	.6
OWNED AND RENTED LAND			
Land owned	farms	67 016	.5
	acres	20 298 569	.4
Owned land in farms	farms	66 719	.5
	acres	18 462 130	.4
Land rented or leased from others	farms	32 873	.5
	acres	15 028 575	.4
	landlords	74 336	.5
Rented or leased land in farms	farms	32 664	.5
	acres	14 756 547	.3
Land rented or leased to others	farms	7 093	.7
	acres	2 108 467	1.2
OPERATOR CHARACTERISTICS			
Operators by place of residence:			
On farm operated		50 915	.5
Not on farm operated		18 341	.7
Not reported		4 958	.6
Operators by principal occupation:			
Farming		33 060	.5
Other		41 154	.6
Operators by days worked off farm:			
Any		43 859	.6
200 days or more		31 803	.6
Operators by sex:			
Male	farms	67 876	.5
	acres	31 408 012	.3
Female	farms	6 338	.8
	acres	1 810 665	.8
Average age of operator	years	55.1	.8
FARMS BY TYPE OF ORGANIZATION			
Individual or family (sole proprietorship)	farms	67 226	.5
	acres	26 499 815	.4
Partnership	farms	4 963	1.0
	acres	3 916 340	.6
Corporation:			
Family held	farms	1 271	1.2
	acres	2 076 510	.4
More than 10 stockholders	farms	35	4.6
10 or less stockholders	farms	1 236	1.2
Other than family held	farms	145	2.6
	acres	205 213	1.0
More than 10 stockholders	farms	16	5.5
10 or less stockholders	farms	129	2.9
Other—cooperative, estate or trust, institutional, etc.	farms	609	1.5
	acres	520 799	.8
HIRED FARM LABOR[1]			
Hired workers by days worked:			
150 days or more	farms	6 009	2.4
	workers	13 286	1.4
Less than 150 days	farms	19 007	1.5
	workers	42 265	1.7
INJURIES AND DEATHS			
Farm-related injuries:			
Operator and family members	farms	710	1.3
	number	805	1.5
Hired workers	farms	192	1.5
	number	369	1.2
Farm-related deaths:			
Operator and family members	farms	13	–
	number	13	–
Hired workers	farms	7	–
	number	7	–

See footnotes at end of table.

Table C. **Reliability Estimates of State 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	2 505	1.0
	acres	10 778	1.1
10 to 49 acres	farms	12 673	.7
	acres	348 167	.7
50 to 69 acres	farms	3 810	.9
	acres	219 498	.9
70 to 99 acres	farms	7 459	.7
	acres	607 304	.7
100 to 139 acres	farms	5 988	.8
	acres	693 426	.8
140 to 179 acres	farms	7 424	.7
	acres	1 171 756	.7
180 to 219 acres	farms	3 578	.8
	acres	705 049	.8
220 to 259 acres	farms	3 362	.8
	acres	797 927	.8
260 to 499 acres	farms	11 348	.7
	acres	4 085 696	.7
500 to 999 acres	farms	8 155	.7
	acres	5 708 161	.7
1,000 to 1,999 acres	farms	4 973	.6
	acres	6 803 978	.6
2,000 acres or more	farms	2 939	–
	acres	12 066 937	–
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM			
Oilseed and grain farming (1111)	farms	9 091	.7
	acres	(D)	(D)
Vegetable and melon farming (1112)	farms	302	2.0
	acres	(D)	(D)
Fruit and tree nut farming (1113)	farms	739	1.4
	acres	109 785	1.9
Greenhouse, nursery, and floriculture production (1114)	farms	501	1.6
	acres	45 060	1.6
Other crop farming (1119)	farms	6 563	.7
	acres	2 548 114	.6
Beef cattle ranching and farming (112111)	farms	48 670	.5
	acres	22 109 121	.4
Cattle feedlots (112112)	farms	1 158	1.1
	acres	402 454	1.0
Dairy cattle and milk production (11212)	farms	838	1.0
	acres	406 103	.7
Hog and pig farming (1122)	farms	1 000	1.2
	acres	122 711	1.1
Poultry and egg production (1123)	farms	1 164	.8
	acres	201 602	.8
Sheep and goat farming (1124)	farms	633	1.6
	acres	52 120	2.3
Animal aquaculture and other animal production (1125, 1129)	farms	3 555	.9
	acres	349 766	1.2
LIVESTOCK			
Cattle and calves inventory	farms	58 023	.5
	number	5 321 161	.3
Beef cows	farms	49 284	.5
	number	1 931 805	.4
Milk cows	farms	1 921	.8
	number	87 647	.4
Cattle and calves sold	farms	56 600	.5
	number	4 346 420	.2
	$1,000	2 311 232	.2
Hogs and pigs inventory	farms	3 002	.8
	number	1 689 700	.1
Hogs and pigs sold	farms	2 082	.9
	number	3 943 563	.4
	$1,000	341 925	.1
Sheep and lambs of all ages inventory	farms	1 529	1.0
	number	67 171	1.4
Sheep and lambs sold	farms	1 218	1.1
	number	53 502	1.2
Horses and ponies inventory	farms	18 444	.6
	number	93 712	.7
Horses and ponies sold	farms	3 485	.8
	number	13 186	2.4
POULTRY			
Layers and pullets 13 weeks old and older inventory (see text)	farms	3 293	.8
	number	5 059 373	.8
Layers 20 weeks old and older	farms	3 169	.8
	number	4 186 985	.8
Broilers and other meat-type chickens sold	farms	632	.6
	number	169 292 948	.1
SELECTED CROPS HARVESTED			
Corn for grain or seed	farms	706	.9
	acres	150 404	.4
	bushels	20 917 282	.3
Sorghum for grain or seed	farms	2 557	.7
	acres	417 872	.5
	bushels	18 863 920	.5
Wheat for grain	farms	13 935	.6
	acres	4 825 074	.4
	bushels	141 302 977	.3
Barley for grain	farms	52	3.6
	acres	2 809	2.2
	bushels	113 200	2.1
Oats for grain	farms	676	1.1
	acres	30 391	1.6
	bushels	1 159 885	1.3
Cotton	farms	849	1.0
	acres	176 962	.5
	bales	190 186	.4
Soybeans for beans	farms	1 921	.7
	acres	323 082	.5
	bushels	9 498 068	.5
Potatoes, excluding sweetpotatoes	farms	35	5.8
	acres	(D)	(D)
	cwt	59 120	.7
Peanuts for nuts	farms	662	1.2
	acres	68 340	.8
	pounds	163 572 035	.8
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	35 751	.5
	acres	2 478 944	.5
	tons, dry	4 651 859	.4
Alfalfa hay	farms	4 720	.6
	acres	298 750	.6
	tons, dry	1 058 813	.5
Vegetables harvested for sale (see text)	farms	629	1.4
	acres	19 240	.7
Land in orchards	farms	2 733	.8
	acres	86 272	1.0

[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.

Table D. Reliability Estimates of State 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..	29 684	.5
Land in farms ..... acres..	26 686 784	.3
Average size of farm ..... acres..	899	.6
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ..... farms..	29 684	.5
$1,000..	3 996 841	.1
Average per farm ..... dollars..	134 646	.5
Farms by value of sales:		
$10,000 to $19,999 ..... farms..	10 245	.6
$1,000..	143 425	.6
$20,000 to $24,999 ..... farms..	2 624	.9
$1,000..	58 111	.9
$25,000 to $39,999 ..... farms..	4 463	.8
$1,000..	140 051	.8
$40,000 to $49,999 ..... farms..	1 771	1.0
$1,000..	78 710	1.0
$50,000 to $99,999 ..... farms..	4 285	.8
$1,000..	301 780	.8
$100,000 to $249,999 ..... farms..	3 661	.4
$1,000..	573 715	.3
$250,000 to $499,999 ..... farms..	1 591	–
$1,000..	551 350	–
$500,000 or more ..... farms..	1 044	–
$1,000..	2 149 698	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops ..... farms..	16 638	.5
$1,000..	883 541	.3
Grains ..... farms..	12 713	.6
$1,000..	573 214	.3
Corn for grain ..... farms..	579	.9
$1,000..	52 596	.3
Wheat ..... farms..	11 695	.6
$1,000..	419 189	.3
Soybeans ..... farms..	1 748	.7
$1,000..	55 815	.5
Sorghum for grain ..... farms..	2 038	.7
$1,000..	38 173	.5
Barley ..... farms..	25	4.9
$1,000..	(D)	(D)
Oats ..... farms..	291	1.7
$1,000..	(D)	(D)
Other grains ..... farms..	392	1.4
$1,000..	5 923	1.2
Cotton and cottonseed ..... farms..	815	.9
$1,000..	57 599	.4
Tobacco ..... farms..	–	–
$1,000..	–	–
Hay, silage, and field seeds ..... farms..	5 903	.6
$1,000..	76 040	.6
Vegetables, sweet corn, and melons ..... farms..	313	1.6
$1,000..	12 957	.8
Fruits, nuts, and berries ..... farms..	635	1.2
$1,000..	8 772	1.3
Nursery and greenhouse crops ..... farms..	353	1.7
$1,000..	108 237	.3
Other crops ..... farms..	744	1.1
$1,000..	46 722	.7
Livestock, poultry, and their products ..... farms..	26 486	.5
$1,000..	3 113 299	.1
Poultry and poultry products ..... farms..	994	.7
$1,000..	402 033	.1
Dairy products ..... farms..	972	.9
$1,000..	150 100	.3
Cattle and calves ..... farms..	25 719	.5
$1,000..	2 195 811	.1
Hogs and pigs ..... farms..	822	1.1
$1,000..	339 843	.1
Sheep, lambs, and wool ..... farms..	443	1.5
$1,000..	3 663	1.9
Other livestock and livestock products (see text) ..... farms..	1 530	1.0
$1,000..	21 849	1.2
Value of agricultural products sold directly to individuals for human consumption (see text) ..... farms..	544	1.4
$1,000..	2 489	1.9

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ..... farms..	29 704	.5
$1,000..	3 320 690	.2
Average per farm ..... dollars..	111 793	.6
Livestock and poultry purchased ..... farms..	14 535	1.4
$1,000..	1 075 457	.3
Feed for livestock and poultry ..... farms..	23 971	.8
$1,000..	859 228	.2
Commercially mixed formula feeds ..... farms..	14 291	1.4
$1,000..	434 951	.3
Seeds, bulbs, plants, and trees ..... farms..	13 191	1.4
$1,000..	41 655	1.2
Commercial fertilizer ..... farms..	21 344	1.0
$1,000..	149 174	1.1
Agricultural chemicals ..... farms..	15 082	1.3
$1,000..	60 641	1.2
Petroleum products ..... farms..	29 162	.6
$1,000..	131 282	.7
Electricity ..... farms..	20 425	1.0
$1,000..	30 470	.9
Hired farm labor ..... farms..	12 723	1.5
$1,000..	176 998	.6
Contract labor ..... farms..	6 050	2.5
$1,000..	24 362	2.4
Repair and maintenance ..... farms..	26 451	.7
$1,000..	149 194	.8
Customwork, machine hire, and rental of machinery and equipment ..... farms..	11 874	1.6
$1,000..	59 652	1.6
Interest ..... farms..	17 388	1.2
$1,000..	192 035	.9
Secured by real estate ..... farms..	11 488	1.7
$1,000..	103 153	1.3
Not secured by real estate ..... farms..	11 554	1.7
$1,000..	88 882	.9
Cash rent ..... farms..	13 268	1.5
$1,000..	99 889	1.2
Property taxes ..... farms..	28 663	.6
$1,000..	50 689	.9
All other farm production expenses ..... farms..	29 691	.5
$1,000..	219 962	.5
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]		
All farms ..... number..	29 704	.5
$1,000..	562 454	1.1
Average per farm ..... dollars..	18 935	1.2
Farms with net gains[2] ..... number..	19 787	1.1
$1,000..	718 733	.7
Average net gain ..... dollars..	36 323	1.3
Farms with net losses ..... number..	9 917	1.9
$1,000..	156 278	1.7
Average net loss ..... dollars..	15 759	2.5
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ..... farms..	13 858	.6
$1,000..	106 441	.4
Other farm-related income[1] ..... farms..	7 944	2.1
$1,000..	52 836	3.3
Customwork and other agricultural services ..... farms..	2 985	3.9
$1,000..	28 948	4.6
Gross cash rent or share payments ..... farms..	2 524	4.5
$1,000..	17 238	5.7
Forest products, excluding Christmas trees and maple products ..... farms..	205	15.3
$1,000..	1 570	18.6
Other farm-related income sources ..... farms..	4 062	3.0
$1,000..	5 079	5.2
COMMODITY CREDIT CORPORATION LOANS		
Total ..... farms..	1 631	.9
$1,000..	26 361	.6

See footnotes at end of table.

Table D. Reliability Estimates of State 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	26 606	.5
	acres	11 875 282	.4
Harvested cropland	farms	23 978	.5
	acres	7 644 113	.3
Cropland:			
Pasture or grazing only	farms	14 229	.6
	acres	3 278 907	.5
Total woodland	farms	7 155	.6
	acres	1 268 802	.5
Pastureland and rangeland other than cropland and woodland pastured	farms	17 643	.5
	acres	13 009 157	.3
Land in house lots, ponds, roads, wasteland, etc.	farms	13 586	.5
	acres	533 543	.7
Irrigated land	farms	2 015	.7
	acres	493 491	.4
Harvested cropland irrigated	farms	1 876	.7
	acres	456 449	.4
Pasture and other land irrigated	farms	300	1.6
	acres	37 042	1.5
Land under Conservation Reserve or Wetlands Reserve Programs	farms	2 870	.8
	acres	561 987	.7
VALUE OF LAND AND BUILDINGS[1]			
Estimated market value of land and buildings	farms	29 704	.5
	$1,000	14 378 483	.8
Average per farm	dollars	484 059	1.0
Average per acre	dollars	542	1.0
VALUE OF MACHINERY AND EQUIPMENT[1]			
Estimated market value of all machinery and equipment	farms	29 702	.5
	$1,000	1 836 983	1.0
Average per farm	dollars	61 847	1.1
AGRICULTURAL CHEMICALS[1]			
Commercial fertilizer	farms	21 322	1.0
	acres on which used	7 142 082	.9
TENURE OF OPERATOR			
All operators	farms	29 684	.5
	acres	26 686 784	.3
Full owners	farms	11 300	.6
	acres	5 849 670	.5
Part owners	farms	15 150	.5
	acres	18 122 587	.3
Tenants	farms	3 234	.9
	acres	2 714 527	.5
OWNED AND RENTED LAND			
Land owned	farms	26 609	.5
	acres	14 970 520	.4
Owned land in farms	farms	26 450	.5
	acres	13 882 004	.4
Land rented or leased from others	farms	18 479	.5
	acres	13 005 556	.3
	landlords	52 583	.5
Rented or leased land in farms	farms	18 384	.5
	acres	12 804 780	.3
Land rented or leased to others	farms	3 270	.8
	acres	1 289 292	1.7
OPERATOR CHARACTERISTICS			
Operators by place of residence:			
On farm operated		20 189	.5
Not on farm operated		7 696	.7
Not reported		1 799	.7
Operators by principal occupation:			
Farming		19 358	.5
Other		10 326	.7
Operators by days worked off farm:			
Any		14 014	.6
200 days or more		8 800	.7
Operators by sex:			
Male		27 922	.5
Female		1 762	1.0
Average age of operator	years	56.1	.7

Item		Total	Relative standard error of estimate (percent)
FARMS BY TYPE OF ORGANIZATION			
Individual or family (sole proprietorship)	farms	25 558	.5
	acres	20 569 366	.3
Partnership	farms	2 783	1.1
	acres	3 508 554	.5
Corporation:			
Family held	farms	979	1.1
	acres	2 003 301	.4
More than 10 stockholders	farms	25	4.2
10 or less stockholders	farms	954	1.1
Other than family held	farms	99	2.7
	acres	193 332	.8
More than 10 stockholders	farms	13	4.4
10 or less stockholders	farms	86	3.0
Other—cooperative, estate or trust, institutional, etc.	farms	265	1.9
	acres	412 231	.8
HIRED FARM LABOR[1]			
Hired workers by days worked:			
150 days or more	farms	4 497	2.4
	workers	11 678	1.3
Less than 150 days	farms	11 265	1.7
	workers	28 331	1.9
INJURIES AND DEATHS			
Farm-related injuries:			
Operator and family members	farms	374	1.6
	number	431	1.8
Hired workers	farms	174	1.4
	number	345	1.1
Farm-related deaths:			
Operator and family members	farms	9	–
	number	(D)	(D)
Hired workers	farms	6	–
	number	(D)	(D)
FARMS BY SIZE			
1 to 9 acres		308	2.0
10 to 49 acres		842	1.2
50 to 69 acres		388	1.7
70 to 99 acres		1 024	1.1
100 to 139 acres		1 199	1.1
140 to 179 acres		2 202	.9
180 to 219 acres		1 242	1.1
220 to 259 acres		1 446	1.1
260 to 499 acres		6 786	.7
500 to 999 acres		6 717	.7
1,000 to 1,999 acres		4 644	.6
2,000 acres or more		2 886	–
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM			
Oilseed and grain farming (1111)		5 916	.7
Vegetable and melon farming (1112)		103	3.0
Fruit and tree nut farming (1113)		126	2.7
Greenhouse, nursery, and floriculture production (1114)		300	1.8
Other crop farming (1119)		2 314	.8
Beef cattle ranching and farming (112111)		18 019	.5
Cattle feedlots (112112)		481	1.5
Dairy cattle and milk production (11212)		807	1.0
Hog and pig farming (1122)		306	1.6
Poultry and egg production (1123)		821	.6
Sheep and goat farming (1124)		37	4.9
Animal aquaculture and other animal production (1125, 1129)		454	1.7
LIVESTOCK			
Cattle and calves inventory	farms	25 079	.5
	number	4 513 509	.3
Beef cows	farms	20 916	.5
	number	1 486 786	.4
Milk cows	farms	1 107	.9
	number	85 535	.4
Cattle and calves sold	farms	25 719	.5
	number	4 011 125	.2
	$1,000	2 195 811	.1
Hogs and pigs inventory	farms	969	1.1
	number	1 671 149	.1
Hogs and pigs sold	farms	822	1.1
	number	3 917 298	.3
	$1,000	339 843	.1
Sheep and lambs of all ages inventory	farms	495	1.5
	number	47 581	1.7
Sheep and lambs sold	farms	426	1.5
	number	39 432	1.5
Horses and ponies inventory	farms	6 747	.6
	number	40 472	.8
Horses and ponies sold	farms	1 296	1.0
	number	8 558	3.2

See footnotes at end of table.

Table D. Reliability Estimates of State 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	743	1.2
	number	5 002 597	.9
Layers 20 weeks old and older	farms	700	1.3
	number	4 140 466	.8
Broilers and other meat-type chickens sold	farms	572	.4
	number	169 289 702	.1
SELECTED CROPS HARVESTED			
Corn for grain or seed	farms	668	.8
	acres	149 938	.3
	bushels	20 886 518	.3
Sorghum for grain or seed	farms	2 350	.6
	acres	410 623	.4
	bushels	18 651 948	.4
Wheat for grain	farms	11 705	.6
	acres	4 684 390	.3
	bushels	138 313 075	.3
SELECTED CROPS HARVESTED—Con.			
Barley for grain	farms	48	3.5
	acres	2 775	2.2
	bushels	112 114	2.1
Oats for grain	farms	565	1.2
	acres	27 572	1.7
	bushels	1 070 563	1.3
Cotton	farms	815	.9
	acres	176 148	.5
	bales	189 815	.4
Soybeans for beans	farms	1 753	.7
	acres	318 416	.5
	bushels	9 397 519	.5
Potatoes, excluding sweetpotatoes	farms	15	8.0
	acres	(D)	(D)
	cwt	(D)	(D)
Peanuts for nuts	farms	636	1.2
	acres	67 999	.8
	pounds	163 216 492	.8
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	18 041	.5
	acres	1 836 620	.4
	tons, dry	3 730 677	.4
Alfalfa hay	farms	3 772	.6
	acres	278 424	.6
	tons, dry	1 016 904	.5
Vegetables harvested for sale (see text)	farms	313	1.6
	acres	18 339	.7
Land in orchards	farms	1 041	1.0
	acres	58 868	1.2

[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.

Table E. **Reliability Estimates of Percent Change in State 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	10.9	1.8	.2	1.7
Land in farms ..... acres	3.3	1.1	1.3	.9
Average size of farm ..... acres	–6.7	1.8	1.1	1.9
Estimated market value of land and buildings[1]:				
Average per farm ..... dollars	15.6	2.5	21.0	2.6
Average per acre ..... dollars	23.0	2.3	19.4	2.1
Estimated market value of all machinery and equipment[1]:				
Average per farm ..... dollars	15.6	2.6	11.1	2.5
Farms by size:				
1 to 9 acres	–11.5	1.6	–51.5	1.3
10 to 49 acres	31.8	2.3	–1.4	2.0
50 to 179 acres	17.0	1.3	10.4	1.5
180 to 499 acres	6.1	1.7	1.7	1.8
500 to 999 acres	–.6	2.0	–2.0	1.9
1,000 to 1,999 acres	–3.1	1.2	–4.5	1.1
2,000 acres or more	4.1	–	4.6	–
Total cropland ..... farms	10.4	1.8	1.1	1.7
acres	2.2	1.2	–.4	1.0
Harvested cropland ..... farms	6.6	1.7	.2	1.7
acres	2.3	.9	1.5	.8
Irrigated land ..... farms	5.0	1.4	–1.2	1.3
acres	–1.2	.6	–1.7	.5
Market value of agricultural products sold $1,000	16.4	.5	16.5	.5
Average per farm ..... dollars	5.0	1.7	16.4	2.0
Crops, including nursery and greenhouse crops $1,000	16.6	.7	16.9	.7
Livestock, poultry, and their products $1,000	16.3	.5	16.4	.4
Farms by value of sales:				
Less than $2,500	28.8	1.8	(X)	(X)
$2,500 to $4,999	15.0	2.2	(X)	(X)
$5,000 to $9,999	10.1	2.2	(X)	(X)
$10,000 to $24,999	2.6	2.0	2.6	2.0
$25,000 to $49,999	–4.0	1.8	–4.0	1.8
$50,000 to $99,999	–7.0	1.4	–7.0	1.4
$100,000 to $249,999	–3.6	.4	–3.6	.4
$250,000 to $499,999	8.9	–	8.9	–
$500,000 or more	42.4	–	42.4	–
Total farm production expenses[1] $1,000	14.7	.8	13.9	.8
Average per farm ..... dollars	3.4	1.8	13.6	2.0
Net cash return from agricultural sales for the farm unit (see text)[1] ..... farms	10.9	1.8	.3	1.7
$1,000	15.4	2.3	20.7	1.8
Average per farm ..... dollars	4.1	2.6	20.3	2.7
Operators by principal occupation:				
Farming	–.7	1.6	–5.1	1.5
Other	22.3	2.1	11.9	2.2
Operators by days worked off farm:				
Any	19.5	2.0	7.1	2.0
200 days or more	23.1	2.1	11.7	2.2
Livestock and poultry:				
Cattle and calves inventory ..... farms	11.1	1.8	1.3	1.7
number	12.3	1.1	11.2	1.0
Beef cows ..... farms	11.7	1.9	3.8	1.9
number	11.8	1.6	9.6	1.5
Milk cows ..... farms	–16.4	1.3	–25.5	1.1
number	–3.0	.6	–3.4	.5
Cattle and calves sold ..... farms	10.5	1.8	1.3	1.7
number	9.9	.7	8.6	.6
Hogs and pigs inventory ..... farms	–12.1	1.5	–25.2	1.4
number	548.2	4.4	620.3	4.6
Hogs and pigs sold ..... farms	–25.0	1.3	–31.3	1.3
number	688.2	6.9	751.8	7.4
Sheep and lambs inventory ..... farms	–3.0	1.8	–16.8	1.9
number	–35.2	1.3	–37.8	1.4
Layers and pullets 13 weeks old and older inventory (see text) ..... farms	2.1	1.8	–12.6	1.9
number	.2	1.0	.1	1.0
Broilers and other meat-type chickens sold ..... farms	19.5	1.0	20.9	.7
number	22.1	.1	22.1	.1
Selected crops harvested:				
Sorghum for grain or seed ..... farms	23.2	1.6	26.3	1.6
acres	48.6	1.1	50.0	1.0
bushels	35.4	.9	36.2	.9
Wheat for grain ..... farms	–16.6	1.3	–13.7	1.3
acres	–7.2	.7	–6.3	.7
bushels	2.3	.8	3.1	.7
Cotton ..... farms	–50.8	.8	–49.4	.8
acres	–40.3	.5	–39.9	.5
bales	–10.3	.6	–9.8	.6
Soybeans for beans ..... farms	60.6	2.2	74.8	2.4
acres	67.1	1.4	70.9	1.3
bushels	90.9	1.5	93.9	1.4
Peanuts for nuts ..... farms	–27.1	1.6	–26.3	1.6
acres	–22.7	1.0	–22.5	1.0
pounds	–19.5	.9	–19.4	.9
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ..... farms	10.7	1.8	2.0	1.8
acres	17.3	1.6	14.5	1.4
tons, dry	16.5	1.4	15.2	1.3

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

Table F. **Reliability Estimates for the State and County 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[1]		Estimated market value of all machinery and equipment[1]	
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Oklahoma	**74 214**	**.5**	**33 218 677**	**.4**	**448**	**.6**	**271 996**	**.9**	**2 741 400**	**.9**
Adair	1 090	.5	225 322	1.1	207	1.3	205 857	11.3	34 349	7.3
Alfalfa	709	.6	502 045	.6	708	.9	485 148	4.4	50 160	3.7
Atoka	1 087	.6	420 851	.8	387	1.0	172 618	5.3	26 933	6.4
Beaver	738	.7	1 047 970	.5	1 420	.8	476 471	2.6	52 072	5.8
Beckham	825	.7	499 444	.9	605	1.1	281 462	3.7	32 376	6.8
Blaine	841	.7	546 677	.8	650	1.1	363 194	4.6	52 093	6.8
Bryan	1 516	.5	419 887	.8	277	1.0	185 653	5.0	39 178	5.1
Caddo	1 496	.6	726 629	.7	486	.9	330 939	5.3	77 050	6.8
Canadian	1 165	.5	466 874	.7	401	.9	396 539	3.3	68 369	5.2
Carter	1 165	.5	382 391	.8	328	1.0	219 640	4.7	26 591	6.5
Cherokee	1 154	.6	237 558	1.2	206	1.3	185 643	6.0	32 881	6.5
Choctaw	991	.6	337 961	.9	341	1.1	172 160	4.9	18 378	6.5
Cimarron	481	.9	1 077 004	.4	2 239	1.0	705 351	1.9	49 289	6.1
Cleveland	1 017	.5	162 308	1.3	160	1.4	250 815	11.5	24 496	9.1
Coal	586	.6	272 894	.9	466	1.1	228 745	7.8	14 589	7.1
Comanche	1 030	.5	434 526	.8	422	1.0	309 246	5.1	40 066	10.6
Cotton	512	.6	350 016	.7	684	.9	286 176	6.3	19 683	10.8
Craig	1 120	.5	418 352	.6	374	.8	235 728	4.5	39 730	9.3
Creek	1 475	.6	351 400	1.0	238	1.2	167 771	5.3	28 259	6.7
Custer	788	.5	624 729	.6	793	.8	464 687	6.5	63 294	5.5
Delaware	1 303	.5	264 620	1.1	203	1.2	218 835	5.0	36 992	5.9
Dewey	713	.5	619 270	.6	869	.8	352 109	3.5	36 877	8.8
Ellis	622	.6	669 922	.6	1 077	.8	296 297	3.1	27 010	6.2
Garfield	1 069	.5	614 690	.6	575	.7	383 917	2.3	63 408	4.6
Garvin	1 380	.6	448 693	.9	325	1.1	201 466	5.4	48 104	7.4
Grady	1 625	.5	608 870	.8	375	.9	253 041	5.0	62 273	4.4
Grant	688	.5	584 588	.5	850	.8	559 194	11.8	61 909	6.2
Greer	478	.7	314 416	1.1	658	1.3	237 555	6.5	20 964	10.4
Harmon	338	.6	304 189	.8	900	1.0	370 843	4.2	18 898	12.1
Harper	443	.5	579 644	.5	1 308	.7	369 160	5.8	22 326	6.1
Haskell	872	.5	267 655	1.0	307	1.1	226 327	5.3	27 655	10.0
Hughes	897	.6	355 192	.8	396	1.0	189 951	4.9	26 815	5.8
Jackson	723	.7	476 628	.7	659	1.0	379 120	3.2	48 854	2.9
Jefferson	499	.6	441 324	.6	884	.9	384 535	5.2	16 617	7.7
Johnston	624	.6	334 041	.7	535	.9	299 727	6.8	18 430	8.7
Kay	929	.6	469 493	.7	505	.9	351 131	5.5	54 571	7.2
Kingfisher	998	.5	554 988	.6	556	.8	431 280	4.9	68 176	5.9
Kiowa	702	.7	595 283	.7	848	1.0	379 628	4.2	42 301	5.4
Latimer	643	.5	202 174	1.0	314	1.1	205 431	9.8	20 575	13.4
Le Flore	1 744	.6	407 359	.8	234	1.0	210 897	3.8	47 713	4.3
Lincoln	1 916	.5	431 368	.8	225	1.0	189 396	7.6	44 675	8.5
Logan	983	.6	380 529	.9	387	1.0	315 495	5.9	31 068	5.3
Love	629	.5	266 175	.9	423	1.1	231 008	6.9	18 748	7.1
McClain	1 046	.5	268 034	.9	256	1.0	241 661	5.2	37 116	5.1
McCurtain	1 573	.6	327 524	.9	208	1.0	180 289	4.5	47 104	4.3
McIntosh	906	.6	253 667	1.0	280	1.2	198 512	6.7	21 428	9.9
Major	877	.6	490 911	.8	560	1.0	337 102	9.0	41 277	5.2
Marshall	414	.6	163 584	1.5	395	1.6	218 072	6.4	12 363	13.5
Mayes	1 406	.5	283 651	1.0	202	1.1	225 015	8.5	38 671	6.3
Murray	454	.5	203 486	1.0	448	1.1	289 158	8.5	13 949	9.2
Muskogee	1 468	.6	332 566	.8	227	1.0	178 593	4.9	39 419	5.1
Noble	739	.5	412 829	.7	559	.9	313 128	5.1	32 809	6.8
Nowata	764	.5	309 446	.9	405	1.0	239 622	6.0	17 471	8.1
Okfuskee	784	.6	282 167	.9	360	1.1	213 643	6.5	18 123	8.2
Oklahoma	996	.7	160 498	1.4	161	1.5	272 269	8.4	23 805	8.5
Okmulgee	1 107	.6	302 155	.8	273	1.0	200 462	6.3	30 737	6.8
Osage	1 196	.5	1 207 462	.3	1 010	.5	430 440	2.5	36 150	7.4
Ottawa	972	.6	214 870	1.0	221	1.2	204 096	3.6	28 836	4.7
Pawnee	671	.5	263 369	.9	393	1.1	194 128	7.8	18 843	8.2
Payne	1 281	.5	339 359	1.0	265	1.1	212 381	5.9	28 519	6.0
Pittsburg	1 586	.6	491 377	.7	310	.9	187 847	6.5	32 243	6.2
Pontotoc	1 133	.5	335 463	.9	296	1.0	181 107	4.9	24 448	5.6
Pottawatomie	1 448	.5	336 486	1.0	232	1.1	174 524	5.7	32 866	9.0
Pushmataha	776	.6	256 438	1.1	330	1.2	177 793	8.9	20 809	9.2
Roger Mills	680	.5	690 568	.6	1 016	.8	374 518	4.8	27 526	6.2
Rogers	1 408	.5	312 870	.9	222	1.0	236 093	4.6	32 144	6.4
Seminole	1 018	.5	277 535	.9	273	1.1	154 853	5.3	21 546	6.3
Sequoyah	1 125	.5	293 366	.9	261	1.0	190 172	5.2	34 128	5.5
Stephens	1 165	.6	426 884	.9	366	1.1	192 133	3.9	33 477	7.2
Texas	785	.8	1 086 667	.5	1 384	.9	717 805	2.8	101 844	2.3
Tillman	638	.9	465 731	.9	730	1.2	385 360	7.7	37 165	6.7
Tulsa	954	.7	142 978	1.4	150	1.5	263 682	7.6	20 598	8.1
Wagoner	973	.6	240 660	.8	247	1.0	266 212	5.8	28 312	9.0
Washington	768	.5	237 661	.8	309	1.0	201 885	8.1	15 543	10.0
Washita	994	.5	585 851	.6	589	.8	333 862	3.7	66 025	7.9
Woods	705	.5	804 637	.5	1 141	.6	667 891	4.2	41 316	5.2
Woodward	800	.5	721 978	.5	902	.8	329 399	3.6	29 994	4.7

See footnotes at end of table.

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

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

Geographic area	Average market value of all machinery and equipment per farm[1]		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses[1]			
							Total farm production expenses			
							Farms		Value	
	Value (dollars)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Oklahoma	**36 936**	**1.0**	**4 146 351**	**.2**	**55 870**	**.6**	**74 222**	**.5**	**3 576 456**	**.2**
Adair	31 484	7.3	74 320	.3	68 183	.6	1 091	.7	53 878	1.3
Alfalfa	70 549	3.8	89 885	.3	126 777	.7	711	.9	73 882	1.1
Atoka	24 754	6.4	20 444	.9	18 808	1.0	1 088	.7	17 082	2.9
Beaver	70 558	5.8	88 602	.3	120 056	.7	738	.7	79 430	.6
Beckham	39 244	6.9	24 755	.8	30 007	1.0	825	.7	21 799	2.5
Blaine	61 942	6.8	77 367	.4	91 994	.8	841	.8	66 594	1.2
Bryan	25 843	5.1	32 547	.7	21 469	.9	1 516	.7	29 773	3.5
Caddo	51 504	6.8	91 135	.4	60 919	.8	1 496	.7	70 158	1.6
Canadian	58 736	5.2	66 587	.5	57 156	.7	1 166	.6	57 401	2.0
Carter	22 844	6.6	21 961	.7	18 850	.9	1 164	.7	20 769	3.1
Cherokee	28 469	6.6	65 681	.3	56 916	.7	1 155	.7	54 545	1.3
Choctaw	18 545	6.6	24 209	.6	24 429	.8	991	.7	20 867	3.7
Cimarron	102 473	6.1	180 548	.1	375 359	.9	481	1.0	165 952	.5
Cleveland	24 111	9.2	12 173	1.2	11 969	1.3	1 016	.7	13 446	4.4
Coal	24 853	7.1	17 859	.7	30 477	1.0	587	.8	16 243	5.2
Comanche	38 899	10.7	32 321	.6	31 380	.8	1 030	.6	27 994	2.3
Cotton	38 443	10.8	36 399	.4	71 092	.7	512	.7	27 205	2.3
Craig	35 505	9.3	61 663	.3	55 057	.6	1 119	.6	57 727	1.3
Creek	19 159	6.7	14 592	1.1	9 893	1.2	1 475	.7	14 276	3.9
Custer	80 425	5.6	64 735	.4	82 151	.7	787	.7	53 027	1.1
Delaware	28 368	5.9	94 390	.3	72 441	.6	1 304	.6	80 066	1.1
Dewey	51 648	8.8	34 260	.6	48 051	.8	714	.6	28 607	2.0
Ellis	43 355	6.3	35 306	.5	56 762	.8	623	.7	29 675	2.1
Garfield	59 259	4.7	82 977	.4	77 621	.6	1 070	.7	63 692	1.7
Garvin	34 883	7.5	34 245	.7	24 815	.9	1 379	.7	28 217	2.9
Grady	38 345	4.5	89 271	.4	54 936	.7	1 624	.7	81 198	1.2
Grant	89 984	6.2	61 155	.4	88 888	.7	688	.6	46 963	1.9
Greer	43 857	10.5	17 260	1.2	36 108	1.4	478	.8	12 293	5.5
Harmon	55 912	12.2	21 738	.7	64 315	.9	338	1.0	17 630	3.4
Harper	50 397	6.1	100 021	.1	225 782	.5	443	.8	84 631	.7
Haskell	31 714	10.0	33 304	.6	38 193	.8	872	.7	31 237	1.5
Hughes	29 894	5.9	40 524	.4	45 177	.7	897	.8	32 130	2.2
Jackson	67 572	3.2	68 685	.4	95 000	.8	723	1.1	51 953	1.4
Jefferson	33 368	7.7	50 810	.3	101 823	.7	498	.7	38 345	2.5
Johnston	29 536	8.8	27 559	.5	44 165	.8	624	.8	23 520	2.2
Kay	58 678	7.2	56 486	.6	60 803	.9	930	.6	39 122	2.4
Kingfisher	68 313	5.9	99 470	.3	99 669	.6	998	.7	83 558	1.3
Kiowa	60 257	5.5	51 826	.4	73 826	.8	702	.8	42 907	2.2
Latimer	32 048	13.4	10 712	1.1	16 659	1.2	642	.7	10 770	4.2
Le Flore	27 343	4.3	118 708	.2	68 066	.6	1 745	.6	105 007	1.2
Lincoln	23 317	8.5	23 511	.9	12 271	1.0	1 916	.7	22 906	3.5
Logan	31 638	5.4	39 403	.5	40 084	.7	982	.7	34 418	1.9
Love	29 805	7.2	15 551	.9	24 723	1.0	629	.7	14 701	5.1
McClain	35 518	5.1	31 467	.6	30 083	.7	1 045	.7	26 733	2.6
McCurtain	29 945	4.3	137 081	.2	87 146	.6	1 573	.6	123 740	.6
McIntosh	23 651	9.9	15 887	1.1	17 535	1.3	906	.7	15 902	3.9
Major	46 959	5.3	54 803	.6	62 489	.8	879	.7	45 223	1.6
Marshall	29 862	13.5	6 076	2.1	14 677	2.2	414	1.0	7 458	8.4
Mayes	27 446	6.4	33 422	.8	23 771	.9	1 409	.7	28 733	2.8
Murray	30 793	9.3	20 459	.5	45 064	.7	453	.9	18 474	2.5
Muskogee	26 852	5.2	31 658	.5	21 565	.8	1 468	.7	26 642	2.3
Noble	44 336	6.9	39 677	.5	53 690	.8	740	.7	30 191	3.5
Nowata	22 868	8.1	28 516	.6	37 325	.8	764	.7	22 887	3.1
Okfuskee	23 116	8.2	17 549	.6	22 384	.8	784	.7	14 964	3.6
Oklahoma	23 925	8.6	14 943	1.1	15 003	1.3	995	.8	14 443	8.6
Okmulgee	27 766	6.8	18 819	.8	17 000	1.0	1 107	.7	17 009	3.2
Osage	30 251	7.4	102 882	.2	86 022	.5	1 195	.6	84 966	1.0
Ottawa	29 697	4.7	52 773	.3	54 294	.7	971	.7	39 135	2.2
Pawnee	28 082	8.3	17 876	.9	26 640	1.1	671	.7	16 454	4.3
Payne	22 281	6.0	22 375	.9	17 467	1.0	1 280	.6	23 104	5.1
Pittsburg	20 330	6.3	24 631	.7	15 530	.9	1 586	.7	21 938	3.1
Pontotoc	21 578	5.6	23 345	.6	20 604	.7	1 133	.6	22 918	3.4
Pottawatomie	22 682	9.0	32 999	.6	22 790	.8	1 449	.6	28 632	3.2
Pushmataha	26 816	9.3	7 704	1.2	9 928	1.4	776	.8	8 342	5.5
Roger Mills	40 480	6.2	27 511	.7	40 458	.9	680	.7	21 102	2.4
Rogers	22 846	6.4	27 129	.8	19 268	.9	1 407	.6	24 753	3.5
Seminole	21 124	6.3	14 427	.9	14 172	1.1	1 020	.7	14 084	4.3
Sequoyah	30 309	5.5	39 105	.4	34 760	.7	1 126	.7	37 193	1.4
Stephens	28 760	7.3	24 287	.8	20 848	1.0	1 164	.7	21 072	3.3
Texas	129 573	2.5	668 024	(L)	850 985	.8	786	1.0	624 154	.1
Tillman	58 252	6.8	41 124	.7	64 457	1.1	638	1.5	33 326	2.4
Tulsa	21 614	8.1	19 725	.8	20 676	1.1	953	.8	15 992	4.4
Wagoner	29 068	9.0	28 856	.5	29 657	.8	974	.7	21 400	3.3
Washington	20 238	10.1	16 421	.9	21 382	1.0	768	.7	12 603	5.0
Washita	66 424	7.9	68 746	.4	69 161	.7	994	.6	58 143	1.8
Woods	58 521	5.2	81 400	.3	115 461	.5	706	.8	65 814	.8
Woodward	37 493	4.8	49 697	.4	62 121	.7	800	.7	43 339	1.6

See footnotes at end of table.

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

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

Geographic area	Farm production expenses[1]—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 (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Oklahoma	**26 102**	**1.2**	**1 100 066**	**.3**	**53 275**	**.7**	**900 546**	**.3**	**19 439**	**1.4**	**43 927**	**1.2**
Adair	464	9.0	7 536	4.2	917	3.7	28 293	1.3	163	18.1	130	11.6
Alfalfa	375	7.4	28 685	1.5	447	6.2	9 124	1.7	383	6.1	897	6.0
Atoka	349	10.2	3 472	8.3	843	3.6	3 540	3.9	140	19.1	107	30.0
Beaver	228	9.2	33 928	.6	432	5.9	17 894	.5	317	7.2	714	4.5
Beckham	267	10.3	3 779	11.1	604	4.3	2 675	6.0	350	9.1	596	8.4
Blaine	308	8.8	22 545	2.1	602	4.3	15 546	1.9	423	7.5	775	4.7
Bryan	520	8.6	3 335	11.6	1 124	3.7	6 565	4.0	427	9.9	777	10.1
Caddo	556	7.6	13 275	3.6	1 129	3.3	6 366	2.5	760	5.6	2 471	4.5
Canadian	540	7.1	17 203	5.2	896	3.8	7 382	4.2	470	8.4	880	10.4
Carter	399	9.6	5 048	6.6	928	3.4	3 110	4.7	186	14.6	205	15.5
Cherokee	465	8.9	3 325	6.6	918	3.5	15 775	2.1	174	17.3	758	1.5
Choctaw	326	11.6	5 795	3.1	746	4.3	4 492	4.5	113	20.7	262	4.5
Cimarron	183	9.3	85 320	.6	230	7.6	40 206	.1	252	6.6	1 553	3.7
Cleveland	308	11.1	1 247	9.4	642	5.6	2 274	6.4	202	15.0	394	19.8
Coal	213	12.1	4 756	8.0	513	3.4	3 464	4.8	63	28.6	84	48.3
Comanche	349	10.1	4 376	5.5	757	4.8	4 109	3.9	359	10.6	656	5.2
Cotton	219	11.2	8 864	1.4	322	7.2	2 126	4.3	216	10.3	435	16.1
Craig	444	8.6	25 507	1.2	834	3.6	13 653	1.9	220	13.7	318	21.5
Creek	482	9.3	1 973	10.5	1 036	4.1	2 960	7.1	170	15.9	129	21.7
Custer	313	8.3	17 410	2.7	507	5.5	4 222	4.5	315	8.7	753	6.8
Delaware	466	8.2	11 050	4.4	1 011	3.7	49 036	1.3	181	16.3	157	10.4
Dewey	306	8.4	7 083	7.0	521	5.3	3 129	4.8	245	11.6	436	8.0
Ellis	204	10.5	9 171	2.8	397	5.3	4 990	2.7	247	9.6	337	7.4
Garfield	423	8.3	19 953	2.5	676	5.5	4 958	1.9	454	7.4	1 045	4.7
Garvin	526	8.4	3 671	11.5	984	3.9	6 203	4.9	330	11.9	513	9.7
Grady	610	7.9	12 102	5.5	1 224	3.5	25 899	1.0	598	7.6	1 087	7.9
Grant	215	12.3	9 612	4.4	376	8.3	3 605	4.6	437	6.9	1 290	6.3
Greer	126	17.7	1 506	5.6	249	10.0	1 132	6.7	223	12.7	398	10.6
Harmon	142	12.5	3 416	6.0	191	9.4	1 045	10.1	147	8.7	678	5.6
Harper	189	10.7	44 206	.6	310	6.5	22 095	.4	169	10.6	322	3.0
Haskell	369	9.4	4 388	3.4	663	4.3	15 501	1.4	145	17.5	89	23.9
Hughes	255	11.3	8 871	3.4	655	4.7	7 395	1.8	144	16.0	258	9.4
Jackson	260	11.6	12 021	3.5	323	9.7	3 472	8.9	357	9.4	1 605	4.7
Jefferson	145	15.7	16 143	1.0	365	7.1	4 932	5.0	162	15.4	330	19.8
Johnston	157	14.7	4 176	1.9	442	6.2	8 726	1.7	107	20.3	182	17.5
Kay	252	13.9	7 379	5.1	467	8.4	2 189	6.3	508	7.1	1 408	12.2
Kingfisher	450	7.8	21 977	3.3	634	5.9	18 493	.8	514	7.4	1 153	9.5
Kiowa	263	10.6	13 403	3.9	480	6.3	3 804	3.4	400	7.5	984	7.6
Latimer	249	11.4	2 111	5.5	459	5.3	2 872	5.1	43	39.6	33	30.9
Le Flore	538	7.8	17 902	2.5	1 343	3.0	61 176	1.3	139	18.2	504	15.6
Lincoln	590	8.1	2 447	8.7	1 491	2.8	5 292	6.0	402	10.5	272	19.3
Logan	400	8.7	8 750	2.7	715	4.8	5 149	3.3	349	9.9	1 112	5.4
Love	216	12.9	2 441	13.5	462	5.6	2 274	6.0	148	15.8	356	18.3
McClain	413	8.9	5 527	4.5	749	4.4	4 824	3.9	335	9.0	599	8.2
McCurtain	583	7.6	23 711	1.7	1 269	2.8	76 360	.4	173	17.1	439	23.0
McIntosh	302	11.9	2 733	10.5	663	5.0	2 766	5.8	162	17.4	195	15.6
Major	311	9.5	10 767	1.8	518	5.9	8 071	2.1	404	7.9	642	9.6
Marshall	167	14.0	1 652	27.3	359	4.7	1 381	11.3	84	25.8	210	14.1
Mayes	570	7.8	2 998	6.6	1 079	3.2	10 926	5.2	161	14.7	262	17.4
Murray	147	14.4	4 037	3.5	371	4.5	6 538	2.6	85	22.7	121	18.9
Muskogee	465	9.5	2 561	6.9	1 081	3.8	4 232	4.8	173	15.9	740	5.2
Noble	241	12.1	7 714	6.4	495	6.3	2 844	5.4	209	12.2	486	5.6
Nowata	236	11.9	8 984	4.9	546	5.6	3 054	5.6	143	19.6	112	28.3
Okfuskee	269	12.2	3 089	4.2	581	4.7	3 134	6.1	132	17.5	193	22.2
Oklahoma	340	11.4	1 769	36.7	663	4.9	1 875	13.5	240	11.7	479	17.1
Okmulgee	322	11.8	3 419	4.1	722	5.5	2 750	5.7	202	15.1	272	9.6
Osage	473	8.5	44 649	.7	870	4.3	10 766	2.3	146	15.1	255	12.5
Ottawa	332	9.9	2 896	11.0	711	4.6	11 692	2.4	141	14.8	392	7.3
Pawnee	206	13.2	5 107	6.8	530	4.7	2 349	8.0	121	17.7	241	12.3
Payne	509	8.1	3 325	10.0	969	3.7	5 131	8.1	298	11.9	383	16.9
Pittsburg	520	8.5	3 826	6.9	1 249	3.0	5 064	3.9	180	16.1	209	13.1
Pontotoc	259	12.8	4 582	4.5	874	4.3	6 354	4.2	122	22.3	151	10.6
Pottawatomie	446	10.2	7 745	4.3	1 165	3.5	7 978	3.5	350	11.4	292	15.1
Pushmataha	210	15.9	632	20.2	574	5.2	2 536	7.9	27	45.8	14	46.9
Roger Mills	222	11.5	4 228	9.8	473	6.1	3 640	2.6	325	8.5	488	21.1
Rogers	500	7.9	5 016	4.4	1 028	3.2	5 268	6.9	157	17.9	410	12.5
Seminole	302	11.5	1 736	11.2	849	3.5	3 389	10.8	110	18.8	124	8.4
Sequoyah	396	9.8	17 713	1.0	902	3.5	6 208	3.6	175	16.8	259	5.6
Stephens	405	9.7	4 784	4.0	851	4.2	2 895	5.3	344	9.4	407	10.6
Texas	220	10.5	303 533	.1	347	6.4	205 488	.1	399	5.8	3 298	1.4
Tillman	151	13.7	5 551	1.9	301	9.8	2 247	7.8	347	8.1	1 133	5.8
Tulsa	238	16.3	1 362	11.3	636	5.6	2 174	14.2	141	15.4	734	13.5
Wagoner	310	10.7	2 739	9.7	699	5.0	1 983	12.1	206	12.6	436	8.0
Washington	225	13.4	3 837	9.9	527	6.3	1 740	11.4	97	17.4	152	30.3
Washita	466	7.6	19 200	3.8	748	4.1	5 182	2.4	586	6.1	1 493	6.8
Woods	311	7.6	25 944	1.9	481	5.9	11 532	1.1	260	7.8	550	6.4
Woodward	376	8.0	11 543	3.5	530	5.5	11 031	1.4	252	8.8	308	6.9

See footnotes at end of table.

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

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

Geographic area	Farm production expenses[1]—Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Oklahoma	**37 094**	**.9**	**163 334**	**1.0**	**25 453**	**1.2**	**65 621**	**1.2**	**68 490**	**.6**	**156 445**	**.7**
Adair	584	7.0	1 137	7.2	272	13.4	188	22.6	1 036	1.7	2 195	3.5
Alfalfa	503	5.0	5 105	3.0	382	6.8	1 315	3.9	681	2.0	3 264	2.9
Atoka	596	5.9	953	7.6	359	9.4	406	14.6	999	2.0	968	6.1
Beaver	258	6.5	2 121	5.9	191	10.6	993	12.6	615	2.2	3 166	3.3
Beckham	478	6.2	1 873	6.3	190	13.4	489	7.6	726	3.2	1 711	4.7
Blaine	650	3.7	4 049	4.0	433	7.7	1 595	10.5	791	1.9	2 968	4.6
Bryan	796	5.6	2 663	7.3	519	8.4	876	10.4	1 419	1.6	2 187	6.8
Caddo	1 119	3.8	6 355	4.8	779	5.9	3 265	4.1	1 397	1.6	5 011	2.8
Canadian	761	4.3	5 327	10.8	661	5.6	1 918	7.6	1 106	1.9	3 146	4.4
Carter	540	7.1	1 304	7.7	374	9.9	576	8.5	1 093	1.7	1 260	5.3
Cherokee	390	10.2	1 225	4.7	337	11.6	860	5.3	1 053	2.0	1 841	4.6
Choctaw	626	6.0	1 362	6.6	260	13.2	312	11.2	955	1.7	1 209	12.3
Cimarron	211	7.4	4 176	3.3	225	8.0	1 856	4.4	413	3.7	4 825	3.3
Cleveland	446	8.0	793	9.8	385	9.3	366	9.7	887	2.8	846	7.2
Coal	270	9.3	562	11.8	188	14.0	393	31.0	563	1.2	800	6.6
Comanche	632	6.3	2 012	8.5	426	9.4	918	8.5	954	2.6	2 043	5.2
Cotton	300	7.6	2 180	4.4	200	12.9	661	6.4	483	2.0	1 746	5.4
Craig	490	8.0	1 840	9.6	317	11.3	647	14.0	1 032	1.9	1 761	6.6
Creek	415	9.6	506	14.0	246	13.2	284	31.1	1 307	2.4	954	6.0
Custer	561	4.7	4 709	4.4	319	8.3	915	5.1	769	1.6	3 073	2.8
Delaware	543	6.8	1 639	11.0	292	11.4	261	11.3	1 156	2.0	2 367	3.3
Dewey	449	6.2	2 454	4.8	194	14.0	498	28.9	659	2.8	1 997	5.6
Ellis	329	7.1	1 780	6.6	202	11.6	591	11.1	554	3.1	1 608	3.1
Garfield	792	4.3	6 440	4.3	578	6.6	1 556	4.7	980	2.2	3 551	3.9
Garvin	611	7.7	1 705	11.4	451	9.7	744	9.6	1 339	1.3	2 023	6.4
Grady	949	4.8	3 240	5.6	718	6.4	1 422	6.5	1 493	1.9	3 521	4.0
Grant	546	4.5	5 135	4.1	373	7.6	1 726	6.3	634	3.0	3 269	4.6
Greer	252	10.5	1 189	8.7	118	17.8	573	11.9	408	3.7	1 150	9.3
Harmon	191	7.9	1 343	5.1	128	11.8	1 092	8.1	278	5.3	1 555	4.3
Harper	204	7.4	1 765	5.7	156	12.2	501	10.4	402	3.0	1 721	4.0
Haskell	378	8.4	730	9.3	229	11.0	333	12.2	840	1.8	1 390	5.4
Hughes	509	6.8	1 157	10.3	346	9.1	548	14.9	860	2.0	1 400	4.5
Jackson	426	8.1	3 766	3.0	328	8.9	4 431	2.0	656	2.6	2 847	2.3
Jefferson	249	11.8	1 524	8.6	115	21.8	299	9.7	433	3.1	1 168	5.2
Johnston	308	8.8	599	6.9	138	17.7	313	6.8	602	2.3	1 290	6.7
Kay	616	5.7	4 117	5.8	477	7.4	1 834	8.1	880	2.1	2 841	3.6
Kingfisher	743	4.5	5 811	7.4	576	5.6	1 819	8.6	936	1.6	3 834	4.9
Kiowa	446	5.7	4 157	13.9	278	10.7	1 626	7.7	646	2.4	2 838	5.0
Latimer	264	10.7	529	13.0	248	11.7	238	19.1	615	2.2	682	10.8
Le Flore	576	7.7	1 500	7.8	373	10.4	724	23.1	1 607	1.4	2 848	3.0
Lincoln	907	5.2	1 836	16.6	600	7.6	463	14.9	1 812	1.5	1 708	5.8
Logan	539	6.5	2 467	8.0	465	7.9	842	7.2	916	2.2	1 924	4.8
Love	406	6.8	1 381	12.0	261	11.3	457	12.4	571	3.0	916	7.2
McClain	530	6.8	1 293	5.6	427	8.5	592	21.2	955	2.3	1 476	5.3
McCurtain	815	5.5	1 282	7.7	344	10.3	879	23.7	1 509	1.2	2 979	2.8
McIntosh	516	6.3	1 319	9.2	283	10.8	452	15.8	854	1.9	1 113	7.3
Major	593	4.6	3 730	8.8	445	6.2	910	7.8	796	2.3	2 651	6.8
Marshall	121	18.7	415	8.5	119	17.9	218	19.7	383	3.6	482	8.8
Mayes	615	7.1	1 448	8.9	425	9.3	333	16.4	1 283	2.0	1 441	5.7
Murray	205	12.2	476	7.1	172	12.7	247	13.0	437	2.2	654	6.4
Muskogee	613	7.5	1 859	5.5	568	7.7	1 388	8.4	1 410	1.3	1 682	4.7
Noble	458	6.6	2 944	7.9	390	8.4	871	7.1	688	2.4	1 948	6.1
Nowata	269	11.2	527	11.1	143	18.2	268	8.7	747	1.3	1 365	7.3
Okfuskee	289	10.7	760	12.1	235	13.4	336	18.5	745	1.8	839	10.1
Oklahoma	445	8.6	803	19.4	395	8.7	365	17.0	866	2.7	1 088	9.4
Okmulgee	451	9.0	1 063	7.9	324	11.6	593	13.8	1 043	2.1	1 185	6.6
Osage	410	8.7	1 322	6.7	334	10.1	814	7.7	1 088	2.6	2 290	3.9
Ottawa	445	8.0	1 926	7.5	274	11.3	895	9.8	889	2.2	2 199	2.8
Pawnee	302	9.1	865	14.3	212	13.0	431	14.9	601	3.1	969	9.6
Payne	598	6.5	1 358	12.1	412	9.4	471	18.1	1 120	2.5	1 549	8.7
Pittsburg	735	5.9	1 586	10.7	473	9.2	531	11.7	1 502	1.5	1 628	5.4
Pontotoc	371	9.9	949	11.2	280	11.9	264	10.9	1 043	2.3	1 128	5.4
Pottawatomie	640	7.6	1 139	7.7	414	10.1	361	15.2	1 347	2.1	1 459	6.1
Pushmataha	320	9.9	525	14.6	161	15.7	156	16.5	713	2.8	761	9.2
Roger Mills	412	6.2	1 470	6.7	194	14.0	428	14.0	585	3.2	1 520	3.9
Rogers	408	9.1	880	12.9	334	10.9	387	15.6	1 278	2.0	1 465	10.4
Seminole	366	9.9	684	11.5	221	14.7	198	14.3	969	1.9	1 007	6.9
Sequoyah	487	7.7	822	10.2	215	14.6	281	7.7	1 089	1.4	1 752	3.8
Stephens	634	5.5	1 369	10.0	470	7.9	564	9.8	1 028	2.5	1 377	6.7
Texas	357	6.4	6 504	1.5	368	6.8	3 861	3.1	717	2.7	10 830	1.1
Tillman	425	5.9	3 690	4.1	342	7.3	1 512	4.5	561	4.3	2 570	4.6
Tulsa	205	13.8	630	13.3	254	11.8	429	11.5	856	3.2	1 067	8.9
Wagoner	404	8.2	1 499	11.0	366	10.1	1 204	3.6	866	2.5	1 270	4.7
Washington	189	15.6	215	15.3	231	14.1	438	7.6	706	3.0	768	9.6
Washita	779	3.9	5 262	5.4	422	7.7	1 895	11.6	947	2.0	3 812	4.8
Woods	466	4.9	4 077	3.9	276	9.8	845	7.6	640	2.2	2 606	6.5
Woodward	362	7.8	2 125	5.9	223	10.6	478	8.4	673	3.7	2 091	3.4

See footnotes at end of table.

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

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

Geographic area	Farm production expenses[1]—Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Oklahoma	**39 283**	**.9**	**35 944**	**.8**	**20 628**	**1.4**	**183 170**	**.6**	**9 370**	**2.2**	**27 587**	**2.4**
Adair	481	8.8	816	5.3	324	11.9	1 604	7.5	127	19.8	376	10.5
Alfalfa	476	5.7	407	5.0	322	7.7	2 732	9.5	138	17.0	678	27.2
Atoka	405	9.0	187	14.0	269	12.4	948	5.2	131	20.1	237	27.7
Beaver	478	5.3	544	3.6	227	9.6	2 262	2.8	140	14.8	547	14.1
Beckham	601	4.6	341	6.3	222	11.0	1 129	6.7	94	20.9	219	11.4
Blaine	599	4.7	485	7.0	253	11.5	1 997	4.8	70	23.3	265	38.8
Bryan	642	6.9	384	9.8	458	9.4	1 620	6.9	211	14.6	572	16.8
Caddo	980	4.4	1 373	7.6	601	7.0	4 454	2.6	313	11.9	934	9.0
Canadian	688	5.9	453	6.9	401	9.0	2 669	9.3	212	14.7	528	16.8
Carter	483	8.1	230	8.3	257	12.6	1 192	6.0	127	18.4	170	16.8
Cherokee	556	8.0	764	4.3	289	12.9	14 995	.9	154	18.8	319	11.6
Choctaw	336	10.8	152	10.9	310	11.5	680	15.4	124	20.4	194	12.7
Cimarron	278	6.8	1 079	1.1	196	8.6	4 952	1.3	69	18.7	282	17.9
Cleveland	530	7.1	301	12.9	264	12.2	1 449	12.1	93	19.5	342	47.1
Coal	215	13.0	134	8.0	219	12.6	1 046	15.4	109	19.9	195	20.6
Comanche	560	7.4	415	6.8	302	12.6	2 175	3.7	142	17.0	278	12.7
Cotton	244	10.6	185	7.7	139	15.0	1 173	7.1	95	22.3	281	16.8
Craig	715	5.6	441	8.0	383	10.1	1 838	6.3	122	19.4	290	14.3
Creek	577	7.8	240	7.9	280	11.9	990	8.4	120	20.6	139	31.0
Custer	581	4.8	468	7.5	302	9.0	2 493	6.2	109	16.0	268	13.2
Delaware	673	5.2	877	3.0	329	10.0	2 176	7.9	93	20.5	302	11.1
Dewey	449	6.8	319	9.4	243	12.3	1 268	4.7	87	22.4	248	17.6
Ellis	381	7.4	607	3.1	200	11.8	1 367	11.4	53	22.0	310	8.5
Garfield	679	5.6	439	6.9	325	10.4	2 444	10.8	166	16.5	632	20.0
Garvin	775	5.4	529	10.1	353	11.6	1 995	5.0	194	17.4	337	16.2
Grady	911	5.2	1 295	2.9	490	8.8	7 648	2.4	180	16.3	628	11.7
Grant	467	6.4	328	6.6	228	10.9	2 237	9.9	81	19.8	453	13.9
Greer	316	5.9	132	8.0	145	16.0	593	9.0	57	28.9	168	24.0
Harmon	241	5.6	253	9.9	118	13.3	1 376	4.1	96	16.0	387	8.4
Harper	268	7.2	280	4.0	142	12.7	2 641	1.8	81	19.8	234	7.9
Haskell	437	8.0	338	5.2	187	13.2	938	7.2	84	22.1	177	18.9
Hughes	311	10.2	696	3.6	266	11.2	2 287	1.4	165	15.9	275	19.0
Jackson	389	7.6	500	3.4	216	9.9	4 215	1.3	141	14.0	822	12.8
Jefferson	245	11.4	215	7.5	211	14.9	2 289	9.9	86	24.7	646	12.1
Johnston	302	9.9	410	3.2	225	11.7	1 777	7.0	108	20.0	406	12.3
Kay	637	5.4	366	9.0	260	13.5	1 529	3.0	178	17.3	431	19.8
Kingfisher	690	5.0	852	3.5	344	9.2	5 008	2.8	151	18.3	817	24.5
Kiowa	434	6.2	351	27.1	250	11.2	1 485	8.2	99	20.4	531	17.3
Latimer	266	12.3	72	14.0	183	16.3	502	21.7	120	21.6	191	40.2
Le Flore	760	5.8	855	3.4	436	8.5	2 154	4.4	140	16.5	334	13.5
Lincoln	952	5.3	401	8.9	454	9.0	789	11.4	174	16.8	225	17.4
Logan	575	5.9	431	7.6	262	11.7	2 703	3.5	111	17.8	194	10.1
Love	325	9.3	185	11.8	174	15.0	844	7.0	81	23.2	183	20.2
McClain	488	7.8	390	6.0	325	10.6	2 407	5.7	135	18.0	229	20.2
McCurtain	689	6.7	977	2.3	465	8.4	2 784	5.9	142	16.0	379	7.1
McIntosh	457	8.1	170	9.8	301	10.8	710	12.9	153	17.8	209	28.4
Major	523	5.6	480	4.7	267	10.1	2 633	7.1	84	22.6	274	46.1
Marshall	261	9.1	109	12.7	93	22.4	316	4.9	56	29.4	51	16.0
Mayes	717	6.0	443	8.6	337	10.3	1 285	9.5	94	22.5	158	21.6
Murray	229	10.4	296	6.5	151	15.2	1 131	3.3	107	18.4	275	11.8
Muskogee	714	6.7	372	7.7	297	12.9	2 286	3.4	169	18.4	486	12.8
Noble	408	7.9	258	10.0	245	12.0	1 217	10.1	110	21.3	273	11.5
Nowata	397	8.6	185	9.5	183	16.5	875	3.7	57	28.9	172	29.7
Okfuskee	380	9.1	183	8.2	271	11.4	1 013	5.7	64	28.7	91	43.7
Oklahoma	587	6.5	313	11.1	215	14.6	1 741	14.4	160	18.1	479	51.8
Okmulgee	450	8.9	218	12.3	279	13.3	911	5.1	116	21.4	225	21.4
Osage	611	6.8	566	15.8	402	9.2	3 120	2.9	171	16.6	463	6.9
Ottawa	666	4.7	878	3.7	207	13.4	6 071	1.2	113	18.5	328	26.8
Pawnee	311	9.4	122	10.8	178	15.4	585	15.3	114	19.8	210	20.9
Payne	639	6.8	307	7.4	279	12.8	1 208	17.0	155	17.8	391	19.2
Pittsburg	599	7.5	203	9.9	345	10.8	967	4.8	149	18.5	238	14.8
Pontotoc	521	7.9	289	7.8	253	11.9	1 045	11.2	111	18.9	231	21.9
Pottawatomie	774	6.4	383	8.5	329	11.0	1 222	9.5	151	20.7	437	13.6
Pushmataha	355	10.0	136	12.3	170	17.1	301	15.5	52	31.8	31	32.4
Roger Mills	379	7.4	268	8.4	167	14.3	826	4.5	54	26.7	100	5.4
Rogers	656	5.7	323	7.5	207	13.9	1 557	9.4	115	20.1	390	11.8
Seminole	496	8.0	271	13.5	227	13.7	1 092	6.1	129	18.7	198	22.3
Sequoyah	482	8.4	425	4.8	225	13.9	1 144	3.3	106	22.3	710	5.3
Stephens	590	6.6	320	10.8	289	11.1	953	6.1	91	21.7	199	14.7
Texas	512	5.2	4 178	.6	346	7.9	27 099	.3	126	13.3	1 102	4.7
Tillman	399	7.6	486	7.1	253	10.4	2 184	4.5	147	13.3	624	13.9
Tulsa	485	9.2	304	11.5	150	18.0	2 451	1.7	115	21.8	312	6.2
Wagoner	470	8.3	330	6.7	214	12.3	2 414	4.6	92	22.4	437	29.3
Washington	383	9.2	183	15.3	121	22.2	547	10.3	99	20.6	143	19.7
Washita	695	4.7	493	6.9	389	8.8	2 129	3.0	190	15.5	830	16.3
Woods	453	5.8	355	10.8	196	10.3	1 723	9.4	105	22.0	527	18.2
Woodward	599	5.1	602	2.8	193	12.0	2 562	3.6	112	18.1	340	11.2

See footnotes at end of table.

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

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

Geographic area	Farm production expenses[1]—Con.											
	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Oklahoma	**57 440**	**.7**	**183 808**	**.8**	**18 893**	**1.5**	**65 643**	**1.5**	**31 323**	**1.1**	**224 537**	**.9**
Adair	849	4.9	2 721	5.4	209	16.2	465	17.7	448	9.6	2 761	5.8
Alfalfa	574	4.5	3 541	3.8	402	5.4	4 156	9.8	410	7.0	4 427	4.9
Atoka	727	5.1	1 331	7.4	223	14.4	284	19.4	535	7.7	1 940	7.6
Beaver	530	3.9	3 594	3.8	198	9.8	1 236	7.3	414	6.3	4 387	3.4
Beckham	673	3.5	1 810	6.2	259	10.6	647	9.6	415	6.9	2 527	8.8
Blaine	652	3.8	3 405	5.2	348	8.7	1 240	9.3	447	6.6	4 175	4.6
Bryan	1 159	3.5	2 501	8.4	344	12.0	768	11.0	588	7.4	2 630	8.7
Caddo	1 201	3.0	5 255	4.3	595	7.3	2 527	4.7	773	5.4	6 392	3.7
Canadian	929	3.7	3 644	6.4	412	9.6	1 354	9.3	481	7.9	4 191	6.2
Carter	926	3.8	1 780	7.6	253	12.1	502	14.0	373	9.9	2 181	9.1
Cherokee	962	3.6	2 493	4.8	202	15.1	370	11.9	357	10.6	2 446	7.2
Choctaw	709	5.2	1 173	8.8	124	20.7	337	16.7	506	8.0	2 241	11.7
Cimarron	348	5.2	4 199	3.1	145	10.6	1 107	3.2	273	6.2	6 266	1.5
Cleveland	821	3.8	1 503	8.1	126	19.3	270	28.2	278	12.0	1 137	12.5
Coal	460	4.8	922	9.8	122	19.2	134	14.0	319	8.6	1 576	16.9
Comanche	810	4.3	2 069	7.8	321	10.7	1 036	12.4	473	8.9	2 283	8.0
Cotton	367	6.9	1 393	9.4	181	13.4	945	6.5	224	10.6	2 372	4.7
Craig	968	2.8	2 681	6.3	208	14.6	488	15.2	640	6.2	3 151	7.5
Creek	1 109	3.9	1 315	7.0	205	16.9	182	20.6	423	10.2	1 469	11.9
Custer	712	3.1	3 553	5.2	344	8.8	2 018	8.6	397	6.9	5 348	2.8
Delaware	931	4.0	2 128	5.4	336	11.0	685	11.5	567	7.6	4 015	6.0
Dewey	567	5.3	2 282	6.1	231	12.3	1 070	9.7	329	10.3	2 898	6.0
Ellis	514	3.6	1 912	5.8	248	9.8	620	9.1	302	7.2	1 957	4.7
Garfield	825	3.6	4 427	5.0	428	8.1	2 318	6.5	529	7.0	5 085	6.9
Garvin	1 138	3.1	2 735	7.3	204	14.5	451	17.6	610	7.7	2 622	8.4
Grady	1 244	3.3	5 066	4.2	391	10.6	985	11.6	712	6.6	5 890	7.8
Grant	608	3.2	4 230	4.2	335	9.2	2 912	9.3	441	7.0	4 402	5.9
Greer	376	5.6	1 141	15.1	167	12.6	793	11.8	274	8.4	1 115	9.9
Harmon	268	6.3	1 260	4.8	146	13.2	715	8.1	185	10.1	1 880	8.3
Harper	356	5.5	1 830	5.6	169	12.3	1 006	9.0	254	8.9	2 703	4.4
Haskell	696	4.0	1 572	7.4	173	14.5	351	13.2	337	10.0	2 233	7.7
Hughes	673	4.9	1 500	7.9	246	11.8	558	18.3	388	8.2	2 958	6.5
Jackson	604	4.3	3 725	3.7	331	8.6	3 683	3.9	337	10.2	3 796	3.7
Jefferson	357	6.7	1 528	7.9	180	13.6	633	16.2	273	8.2	3 434	7.7
Johnston	508	4.2	1 559	5.3	162	15.9	265	17.7	295	9.6	1 507	10.7
Kay	779	3.8	3 638	6.7	375	10.0	1 708	10.6	480	8.6	3 549	8.6
Kingfisher	774	3.8	4 594	5.6	378	9.5	1 466	13.8	577	6.0	4 377	7.5
Kiowa	602	3.6	2 333	7.2	304	9.6	1 884	10.7	407	7.4	3 149	5.8
Latimer	562	4.1	933	7.9	95	23.5	271	25.8	218	14.1	891	19.1
Le Flore	1 329	3.2	3 282	6.4	312	11.8	613	12.2	683	6.8	5 481	6.3
Lincoln	1 376	3.4	2 151	6.9	392	10.4	447	12.7	808	6.4	2 767	8.5
Logan	813	3.5	2 306	8.0	235	12.9	430	8.4	381	8.6	2 397	5.4
Love	496	4.6	1 159	8.4	183	12.2	301	19.9	242	11.0	1 350	9.8
McClain	785	3.9	2 159	6.9	179	15.4	290	13.3	375	9.7	2 229	9.6
McCurtain	1 261	3.1	3 344	3.9	255	12.6	435	15.2	720	6.4	4 131	4.8
McIntosh	696	4.2	1 451	11.0	161	18.1	169	26.3	407	8.8	1 977	10.0
Major	556	5.1	2 652	6.7	305	8.5	1 494	10.9	412	7.1	3 079	6.8
Marshall	322	5.6	736	10.3	39	36.7	74	31.1	185	12.7	772	13.1
Mayes	1 067	3.5	2 050	7.2	346	10.7	538	13.9	505	7.8	1 953	13.8
Murray	358	5.5	1 117	5.7	158	14.1	285	40.9	137	15.3	1 017	10.2
Muskogee	1 151	3.5	2 380	6.1	284	13.3	936	7.0	558	8.4	2 583	7.7
Noble	589	4.2	2 259	6.0	239	12.4	923	20.4	393	7.9	3 420	7.9
Nowata	577	5.0	1 268	11.6	176	17.4	323	15.6	223	13.7	2 043	9.0
Okfuskee	623	4.4	1 057	9.1	106	20.3	204	23.2	285	11.1	1 244	9.5
Oklahoma	710	4.9	1 445	12.8	155	18.7	343	29.8	266	13.6	844	15.1
Okmulgee	886	4.3	1 562	8.3	181	17.4	367	12.7	377	10.5	1 538	10.2
Osage	878	4.5	2 544	5.0	369	10.0	842	11.8	506	7.9	8 081	4.5
Ottawa	699	5.0	1 970	5.4	171	15.7	379	10.0	472	7.7	2 633	8.3
Pawnee	493	5.2	1 104	8.5	141	16.6	303	9.9	268	11.0	1 454	9.7
Payne	942	4.0	2 030	8.0	268	13.0	350	16.2	510	8.1	2 279	15.3
Pittsburg	1 210	3.3	1 668	7.6	253	13.4	393	17.0	593	8.0	1 792	11.7
Pontotoc	833	4.5	1 626	8.4	185	16.5	347	14.9	334	10.7	2 029	10.0
Pottawatomie	1 103	3.7	2 113	7.0	252	14.4	292	12.6	398	11.1	1 528	13.6
Pushmataha	585	5.3	864	10.0	122	21.9	103	23.7	263	11.7	941	15.5
Roger Mills	545	4.5	1 828	6.9	248	10.8	603	9.5	325	9.5	2 023	8.7
Rogers	1 064	3.5	1 768	8.8	291	12.0	418	22.7	427	9.6	2 210	11.7
Seminole	755	4.9	1 374	8.8	169	17.0	245	16.7	330	10.3	1 418	8.6
Sequoyah	917	3.7	1 804	7.3	207	13.5	371	15.4	276	12.4	1 460	11.6
Stephens	852	4.3	1 817	7.1	285	11.6	466	16.0	454	8.4	2 010	9.0
Texas	618	3.7	13 226	1.3	214	8.9	1 831	2.5	458	6.7	12 722	1.5
Tillman	453	5.9	2 683	8.3	312	9.5	2 444	5.9	319	9.5	2 785	5.6
Tulsa	732	5.0	1 710	8.1	180	18.1	177	22.3	262	12.0	1 665	11.4
Wagoner	712	4.5	2 282	6.5	227	13.6	799	12.6	360	9.6	2 051	11.1
Washington	599	5.3	1 160	12.9	126	19.7	209	20.1	222	14.2	831	13.8
Washita	805	3.8	3 988	9.1	498	7.6	1 682	6.1	468	7.1	4 333	4.9
Woods	562	3.7	2 594	3.5	320	8.2	1 832	9.5	450	6.2	5 359	4.7
Woodward	620	4.6	2 002	8.3	229	9.8	946	16.4	382	8.9	3 746	4.7

See footnotes at end of table.

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

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

Geographic area	Farm production expenses[1]—Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Oklahoma	**20 666**	**1.4**	**107 452**	**1.1**	**70 905**	**.6**	**72 271**	**.9**	**63 762**	**.6**	**246 104**	**.5**
Adair	113	22.8	287	13.5	1 063	1.7	1 111	8.9	897	3.4	4 259	1.8
Alfalfa	323	9.4	3 334	4.6	695	1.2	1 051	3.8	661	2.5	5 164	3.3
Atoka	237	13.2	451	14.5	1 055	1.4	624	4.5	862	3.7	1 636	4.9
Beaver	235	8.3	2 484	3.4	716	1.4	1 244	4.5	602	3.2	4 319	1.7
Beckham	276	8.9	1 131	9.4	780	1.7	860	5.5	724	2.8	2 011	3.6
Blaine	371	7.6	2 443	6.5	802	2.0	1 049	5.2	781	2.2	4 056	4.5
Bryan	386	10.2	1 030	14.6	1 387	2.1	943	5.6	1 275	2.6	2 923	4.2
Caddo	612	6.6	4 784	6.4	1 417	1.9	1 569	4.3	1 383	2.1	6 126	4.0
Canadian	446	7.5	2 803	6.2	1 087	2.0	1 253	5.7	1 035	2.6	4 648	5.5
Carter	377	9.5	712	15.7	1 121	1.5	750	4.9	950	3.2	1 750	5.3
Cherokee	184	17.5	467	16.9	1 146	.9	885	8.1	971	3.2	8 022	1.5
Choctaw	205	15.6	584	13.5	938	2.1	541	5.8	781	3.7	1 534	7.3
Cimarron	153	9.1	2 191	3.3	459	2.2	790	3.1	427	2.6	7 148	2.1
Cleveland	180	14.0	397	14.9	939	2.2	713	10.1	858	3.4	1 415	7.0
Coal	157	16.7	328	10.7	569	2.1	499	7.0	504	3.6	1 350	6.0
Comanche	420	8.5	2 028	7.0	985	1.7	929	8.7	896	3.3	2 666	4.8
Cotton	212	11.7	2 046	7.9	463	3.5	494	6.6	492	1.5	2 306	5.3
Craig	273	12.5	1 004	8.7	1 075	1.6	1 143	5.0	981	2.5	2 965	5.1
Creek	255	13.7	445	21.0	1 473	.7	853	5.8	1 166	3.4	1 837	4.6
Custer	307	9.4	3 156	5.2	735	2.4	1 064	3.8	708	3.0	3 577	4.2
Delaware	184	14.6	558	6.8	1 250	1.4	1 041	6.9	1 055	3.3	3 774	3.8
Dewey	323	9.9	1 974	4.1	712	.6	751	6.0	659	3.0	2 201	3.9
Ellis	262	7.8	1 686	5.6	569	2.7	629	4.2	567	2.9	2 110	4.3
Garfield	467	6.9	4 399	7.2	990	2.4	1 385	4.8	992	2.2	5 060	3.0
Garvin	363	10.7	1 260	17.3	1 333	1.5	931	4.5	1 219	2.4	2 500	5.6
Grady	485	8.9	3 178	8.9	1 596	1.0	2 107	6.0	1 404	2.4	7 130	2.3
Grant	203	10.6	2 722	10.2	671	1.3	1 072	6.3	648	2.4	3 969	5.3
Greer	139	17.2	681	16.1	436	3.4	424	8.9	400	4.5	1 300	11.8
Harmon	123	15.6	784	14.0	328	2.2	593	8.0	281	5.1	1 252	7.6
Harper	214	8.8	1 623	3.4	419	2.7	672	6.1	412	2.9	3 033	2.3
Haskell	236	12.9	504	11.8	855	1.1	693	9.1	773	2.9	1 997	4.9
Hughes	179	14.8	373	15.8	837	2.3	579	5.4	714	4.1	3 273	3.5
Jackson	235	12.9	2 348	8.4	699	1.8	858	5.5	654	3.5	3 865	1.9
Jefferson	207	13.9	1 345	7.2	468	2.8	640	7.6	457	2.6	3 219	3.7
Johnston	129	17.3	367	13.7	596	2.3	584	4.1	546	3.3	1 359	4.2
Kay	437	8.8	3 500	6.4	786	4.1	1 146	7.4	871	2.1	3 487	4.4
Kingfisher	342	9.2	3 157	9.4	938	1.8	1 630	4.3	918	2.1	8 570	1.8
Kiowa	257	11.4	1 988	7.8	660	2.4	1 008	6.1	653	2.4	3 365	9.4
Latimer	123	20.0	189	33.5	628	1.5	333	8.1	533	4.4	924	13.2
Le Flore	327	11.6	1 110	17.6	1 639	1.6	1 482	4.4	1 432	2.5	5 042	3.2
Lincoln	440	9.1	773	13.3	1 882	1.0	1 101	5.5	1 578	2.4	2 233	4.5
Logan	355	10.0	1 846	7.9	887	2.4	843	8.9	851	3.3	3 025	5.8
Love	198	13.3	850	12.5	613	1.6	487	6.0	529	4.0	1 516	4.8
McClain	265	11.6	1 362	11.2	1 019	1.3	926	6.2	892	3.2	2 429	4.1
McCurtain	275	13.0	746	7.1	1 555	.8	854	3.9	1 315	2.8	4 439	2.7
McIntosh	203	14.7	587	15.0	905	.7	554	5.5	771	2.9	1 497	5.8
Major	386	7.5	2 343	7.9	848	1.4	959	4.7	761	2.8	4 536	2.5
Marshall	88	21.9	227	11.8	397	3.2	300	8.6	316	7.9	513	9.8
Mayes	341	10.4	1 105	10.6	1 354	1.4	1 034	4.9	1 217	2.5	2 757	4.4
Murray	108	19.6	324	18.4	433	2.4	436	9.4	415	3.3	1 521	4.7
Muskogee	364	10.4	1 044	7.6	1 405	1.6	1 091	7.4	1 269	2.6	3 001	3.0
Noble	294	10.9	1 679	7.8	714	1.8	1 087	10.0	660	3.5	2 267	5.3
Nowata	164	17.6	877	14.1	716	2.6	669	6.2	628	4.1	2 164	6.9
Okfuskee	194	14.6	495	15.1	784	.7	753	24.8	637	4.1	1 573	6.4
Oklahoma	241	14.3	749	22.6	907	2.7	775	11.6	799	4.0	1 375	9.3
Okmulgee	231	14.5	656	13.8	1 097	1.0	766	5.4	948	3.3	1 483	5.4
Osage	396	9.8	2 093	6.5	1 122	1.9	1 491	7.9	1 027	3.0	5 672	2.4
Ottawa	250	12.5	827	17.4	944	1.5	750	4.1	818	3.3	5 297	1.9
Pawnee	168	13.9	740	8.2	648	2.1	641	7.3	596	3.2	1 332	7.7
Payne	348	10.6	1 319	13.7	1 178	2.1	932	5.7	1 092	2.5	2 070	5.1
Pittsburg	301	12.0	540	13.7	1 506	1.5	963	7.8	1 330	2.6	2 331	6.3
Pontotoc	243	12.8	573	9.6	1 046	2.1	830	14.8	987	2.8	2 520	3.4
Pottawatomie	328	12.5	722	9.8	1 418	1.2	910	5.1	1 234	2.8	2 048	6.5
Pushmataha	147	17.3	179	19.8	733	2.3	362	7.3	596	4.8	800	11.2
Roger Mills	228	11.6	1 236	7.3	643	2.5	696	5.9	599	3.7	1 748	3.5
Rogers	271	11.8	728	14.4	1 373	1.1	1 267	11.9	1 224	2.2	2 665	6.7
Seminole	199	15.1	264	12.9	1 012	.8	710	8.6	831	4.0	1 375	7.8
Sequoyah	277	11.8	745	8.5	1 088	1.6	718	5.6	920	3.1	2 782	4.5
Stephens	374	9.7	1 308	8.8	1 116	1.6	886	7.7	998	2.8	1 715	7.0
Texas	255	9.5	3 294	2.7	755	1.7	5 630	.8	700	3.3	21 560	.8
Tillman	215	11.3	1 591	5.9	603	3.0	965	8.6	493	4.7	2 859	7.6
Tulsa	171	17.7	518	11.2	859	3.3	615	6.1	799	4.1	1 844	6.4
Wagoner	226	12.6	872	7.6	930	2.2	810	7.0	805	3.4	2 273	3.5
Washington	131	17.3	716	8.6	734	2.0	639	8.2	667	4.0	1 025	6.8
Washita	424	8.1	2 856	7.2	932	2.2	1 041	5.3	930	2.3	3 946	3.2
Woods	326	7.8	2 884	3.8	692	1.2	1 043	7.4	667	2.2	3 942	3.6
Woodward	284	9.1	1 930	3.8	742	2.7	808	4.6	721	2.9	2 827	5.2

See footnotes at end of table.

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

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

Geographic area	Net cash return from agricultural sales for the farm unit (see text)[1]				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Oklahoma	**74 222**	**.5**	**456 080**	**1.5**	**58 741**	**.5**	**14 843 823**	**.4**	**44 786**	**.5**	**8 462 079**	**.4**
Adair	1 091	.7	15 548	6.1	903	.7	99 857	1.2	697	.9	40 581	1.2
Alfalfa	711	.9	14 427	5.7	652	.7	375 907	.7	592	.8	291 239	.6
Atoka	1 088	.7	3 361	20.1	858	.8	128 085	1.3	646	1.0	41 966	1.4
Beaver	738	.7	9 311	11.7	595	.9	396 909	.8	410	1.1	198 125	.8
Beckham	825	.7	2 832	16.6	665	.9	221 953	1.2	456	1.2	107 523	1.2
Blaine	841	.8	8 086	8.7	758	.8	304 027	1.0	658	.9	214 843	1.0
Bryan	1 516	.7	1 539	56.8	1 157	.7	192 007	1.2	882	.9	83 881	1.0
Caddo	1 496	.7	17 165	9.2	1 286	.7	403 465	.7	1 046	.8	262 279	.7
Canadian	1 166	.6	7 965	13.1	959	.7	280 056	.8	784	.8	195 954	.9
Carter	1 164	.7	–406	(H)	807	.9	118 449	1.4	498	1.2	31 500	1.8
Cherokee	1 155	.7	10 665	5.7	892	.8	90 943	1.4	662	1.0	34 083	1.6
Choctaw	991	.7	47	(H)	765	.8	131 962	1.3	582	1.1	52 281	1.2
Cimarron	481	1.0	12 785	4.8	374	1.2	454 275	.7	262	1.4	234 200	.7
Cleveland	1 016	.7	–284	(H)	740	.8	83 561	1.5	498	1.2	39 067	1.6
Coal	587	.8	1 105	39.8	452	1.0	89 607	1.7	357	1.3	29 912	1.9
Comanche	1 030	.6	2 317	31.9	809	.8	194 046	1.1	606	1.0	112 154	1.1
Cotton	512	.7	7 235	4.9	442	.8	193 561	.8	368	1.0	124 963	.8
Craig	1 119	.6	2 308	34.8	911	.6	166 419	1.1	782	.8	96 829	1.1
Creek	1 475	.7	–1 047	51.0	1 075	.8	122 406	1.5	725	1.1	40 565	1.7
Custer	787	.7	8 930	6.2	684	.7	311 741	.8	580	.9	214 037	.8
Delaware	1 304	.6	8 542	9.2	1 038	.7	129 230	1.2	810	.9	59 246	1.3
Dewey	714	.6	5 006	10.7	589	.8	226 911	1.0	445	1.0	128 745	1.0
Ellis	623	.7	3 320	17.1	474	.9	193 836	1.1	358	1.2	97 386	1.2
Garfield	1 070	.7	15 663	6.2	953	.6	459 058	.6	863	.7	369 181	.6
Garvin	1 379	.7	3 287	20.3	1 056	.8	195 893	1.2	729	1.0	74 551	1.2
Grady	1 624	.7	5 584	20.5	1 279	.7	278 381	1.1	968	.9	153 185	1.1
Grant	688	.6	14 006	8.9	647	.6	431 374	.6	595	.7	354 361	.6
Greer	478	.8	3 232	12.6	411	1.0	173 423	1.4	289	1.4	91 864	1.5
Harmon	338	1.0	4 726	14.6	294	.9	161 133	1.0	201	1.4	83 918	1.0
Harper	443	.8	14 688	3.2	351	.9	200 624	.9	275	1.1	120 032	.9
Haskell	872	.7	–157	(H)	694	.8	116 300	1.4	533	1.0	46 658	1.4
Hughes	897	.8	5 639	8.3	689	.9	115 585	1.4	519	1.1	41 860	1.3
Jackson	723	1.1	14 279	5.2	627	.9	332 862	.7	490	1.1	240 127	.6
Jefferson	498	.7	11 370	4.1	409	.9	135 134	1.1	255	1.5	41 998	1.3
Johnston	624	.8	2 657	17.7	468	1.0	92 142	1.5	336	1.4	28 448	1.4
Kay	930	.6	15 023	8.4	830	.7	330 944	.8	728	.8	273 028	.8
Kingfisher	998	.7	11 379	9.0	912	.6	367 328	.8	773	.8	247 438	.8
Kiowa	702	.8	7 558	8.8	620	.8	361 579	.8	526	.9	256 090	.7
Latimer	642	.7	–66	(H)	486	.9	62 534	1.6	364	1.3	26 772	2.1
Le Flore	1 745	.6	9 342	12.4	1 296	.7	189 068	1.0	943	.9	87 597	1.0
Lincoln	1 916	.7	–104	(H)	1 469	.7	181 499	1.1	1 054	.9	63 570	1.2
Logan	982	.7	5 102	13.6	785	.8	182 896	1.0	572	1.0	104 796	1.1
Love	629	.7	1 138	54.9	496	.8	86 694	1.5	370	1.2	31 938	1.5
McClain	1 045	.7	3 617	19.7	837	.7	120 617	1.3	620	1.0	59 475	1.0
McCurtain	1 573	.6	8 695	9.0	1 185	.7	135 115	1.2	867	.9	55 201	1.2
McIntosh	906	.7	–880	62.4	756	.8	105 318	1.6	577	1.1	42 212	1.7
Major	879	.7	8 001	9.0	773	.8	243 999	1.0	603	1.0	158 920	1.1
Marshall	414	1.0	–937	51.7	298	1.2	41 972	2.5	228	1.7	14 972	2.3
Mayes	1 409	.7	4 012	24.3	1 150	.7	146 674	1.1	923	.8	77 859	1.2
Murray	453	.9	840	45.8	334	1.1	48 785	1.7	243	1.5	20 756	1.9
Muskogee	1 468	.7	4 092	16.3	1 124	.8	182 741	.9	883	1.0	102 260	.9
Noble	740	.7	7 143	11.1	628	.7	222 089	.9	557	.9	165 318	.8
Nowata	764	.7	5 706	10.8	600	.8	99 192	1.6	500	1.1	47 610	1.6
Okfuskee	784	.7	737	65.8	595	.9	100 834	1.5	439	1.2	35 144	1.7
Oklahoma	995	.8	1 241	56.6	706	1.0	77 719	1.7	438	1.4	41 643	1.9
Okmulgee	1 107	.7	1 231	45.2	848	.8	123 386	1.2	627	1.0	60 690	1.2
Osage	1 195	.6	15 881	4.6	798	.8	157 625	1.1	609	1.0	71 374	1.1
Ottawa	971	.7	11 861	7.7	761	.9	129 729	1.1	617	1.0	87 910	.9
Pawnee	671	.7	260	(H)	508	.9	92 730	1.6	400	1.2	40 984	1.4
Payne	1 280	.6	–1 139	98.9	964	.7	142 081	1.4	717	.9	65 575	1.5
Pittsburg	1 586	.7	1 680	38.4	1 203	.8	148 310	1.2	906	.9	55 036	1.0
Pontotoc	1 133	.6	554	(H)	865	.7	130 130	1.3	655	.9	47 218	1.2
Pottawatomie	1 449	.6	4 263	18.6	1 101	.7	154 701	1.3	728	1.0	60 123	1.3
Pushmataha	776	.8	–872	45.9	563	1.0	70 989	2.0	434	1.2	26 620	1.7
Roger Mills	680	.7	4 695	22.1	555	.8	162 341	1.1	400	1.1	71 172	1.2
Rogers	1 407	.6	2 435	42.3	1 097	.7	125 387	1.3	852	.9	68 033	1.4
Seminole	1 020	.7	680	78.0	758	.8	108 923	1.3	522	1.1	35 435	1.6
Sequoyah	1 126	.7	–235	(H)	850	.8	94 665	1.4	623	1.0	46 616	1.4
Stephens	1 164	.7	1 255	46.5	871	.8	171 433	1.3	580	1.2	51 485	1.3
Texas	786	1.0	42 016	1.2	653	1.0	631 680	.6	432	1.1	362 775	.6
Tillman	638	1.5	6 410	12.2	570	1.0	321 862	1.0	465	1.2	230 341	.9
Tulsa	953	.8	4 067	11.6	688	1.0	72 496	1.8	502	1.3	39 295	2.1
Wagoner	974	.7	6 338	7.4	764	.8	139 162	1.0	588	1.0	93 238	.8
Washington	768	.7	954	41.7	572	.9	74 434	1.5	451	1.1	42 361	1.7
Washita	994	.6	7 649	13.8	900	.6	399 052	.7	775	.7	289 101	.7
Woods	706	.8	13 781	5.6	591	.7	290 383	.8	492	.9	212 495	.8
Woodward	800	.7	4 946	11.1	618	.8	213 605	.9	446	1.1	114 061	1.0

See footnotes at end of table.

Table F. **Reliability Estimates for the State and County 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 (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Oklahoma	**2 710**	**.7**	**506 459**	**.4**	**58 023**	**.5**	**5 321 161**	**.3**	**49 284**	**.5**	**1 931 805**	**.4**
Adair	19	7.3	734	7.6	952	.7	56 443	1.0	814	.8	28 171	1.2
Alfalfa	11	6.1	3 304	4.1	479	1.0	102 837	.5	303	1.5	14 812	1.5
Atoka	33	5.6	1 268	8.0	918	.7	59 182	1.1	833	.8	31 118	1.2
Beaver	92	2.7	22 082	1.9	490	1.0	121 027	.5	411	1.2	29 575	.9
Beckham	40	5.1	2 214	6.1	618	1.0	56 323	1.0	540	1.1	23 687	1.1
Blaine	19	7.0	3 007	3.4	659	.9	95 257	.7	568	1.0	27 576	1.2
Bryan	66	3.9	6 408	5.4	1 287	.7	88 664	.9	1 159	.7	46 035	1.1
Caddo	232	1.7	44 593	1.2	1 207	.7	137 824	.7	1 044	.8	49 695	1.0
Canadian	54	4.0	4 466	4.1	861	.8	97 607	.8	635	1.0	25 697	1.3
Carter	15	9.1	1 349	8.8	978	.7	60 512	.9	828	.8	28 744	1.1
Cherokee	23	6.9	1 218	2.9	939	.8	46 277	1.2	820	.9	24 727	1.2
Choctaw	7	11.6	222	6.6	860	.7	67 353	1.0	774	.8	34 592	1.3
Cimarron	132	1.8	68 941	.8	259	1.3	135 636	.2	188	1.7	(D)	(D)
Cleveland	56	4.5	789	10.4	714	.9	27 348	1.9	612	1.0	13 934	1.9
Coal	9	10.6	254	11.6	512	.8	47 993	1.0	451	1.0	22 158	1.4
Comanche	30	5.4	1 127	6.3	847	.7	63 715	.9	717	.8	25 526	1.1
Cotton	9	9.2	409	14.2	415	.9	69 988	.6	349	1.1	16 590	1.3
Craig	13	7.6	881	4.4	923	.6	106 021	.6	802	.8	36 996	.9
Creek	23	7.4	217	18.3	1 139	.8	45 581	1.1	986	.9	24 301	1.2
Custer	35	4.9	2 808	5.1	617	.8	102 343	.6	468	1.1	21 799	1.2
Delaware	12	9.4	469	3.6	1 111	.6	68 997	1.1	959	.8	36 216	1.3
Dewey	12	5.6	1 834	3.1	553	.8	62 327	.8	491	1.0	25 673	.9
Ellis	47	3.6	13 376	2.1	492	.9	66 280	.7	413	1.0	23 683	1.0
Garfield	17	9.0	388	21.2	735	.8	100 245	.6	556	1.0	21 065	1.2
Garvin	29	6.0	1 843	5.4	1 141	.7	73 169	.9	1 026	.8	37 564	1.0
Grady	53	4.2	7 017	1.6	1 345	.7	127 111	.7	1 112	.8	45 396	1.1
Grant	1	40.0	(D)	(D)	413	1.1	53 760	.7	335	1.3	13 696	1.4
Greer	50	3.9	9 209	3.3	327	1.3	30 545	1.6	292	1.4	12 404	1.9
Harmon	76	2.8	21 027	1.8	223	1.3	28 424	1.1	178	1.7	(D)	(D)
Harper	35	4.0	6 607	4.0	330	.9	93 470	.4	255	1.2	15 879	.8
Haskell	21	6.5	862	6.3	713	.8	56 030	1.1	637	.9	29 367	1.2
Hughes	52	3.7	3 929	3.4	743	.8	49 146	1.0	678	.9	27 038	1.1
Jackson	144	2.0	49 752	.8	432	1.2	56 183	.8	341	1.5	12 426	1.5
Jefferson	6	13.7	475	15.1	418	.9	83 434	.7	348	1.1	(D)	(D)
Johnston	17	7.9	1 242	7.8	544	.8	44 319	1.0	499	.9	22 218	1.0
Kay	11	10.0	464	8.7	551	1.1	42 772	1.3	448	1.3	13 222	1.6
Kingfisher	33	5.3	4 878	7.5	757	.8	106 409	.7	501	1.2	19 167	1.4
Kiowa	24	5.8	1 033	7.1	550	.9	81 835	.8	445	1.1	20 954	1.1
Latimer	12	8.9	2 097	1.7	533	.8	34 374	1.3	477	.9	18 516	1.3
Le Flore	35	4.8	4 240	3.0	1 458	.7	80 526	.8	1 308	.7	43 373	.9
Lincoln	12	10.4	251	9.6	1 576	.7	65 345	.9	1 402	.7	34 036	1.0
Logan	29	5.8	688	6.1	765	.8	60 226	.9	632	1.0	21 943	1.2
Love	26	4.4	3 573	3.0	512	.8	38 975	1.2	459	.9	19 283	1.2
McClain	40	4.4	1 778	5.1	794	.8	55 141	.9	644	.9	21 233	1.3
McCurtain	23	5.6	703	6.6	1 335	.7	79 017	1.0	1 162	.7	41 138	1.1
McIntosh	12	9.2	339	2.7	757	.8	48 095	1.3	668	.9	28 083	1.4
Major	45	3.8	5 115	3.4	659	.9	73 566	.9	523	1.1	21 102	1.3
Marshall	14	7.9	938	13.2	329	1.0	21 336	1.8	282	1.3	(D)	(D)
Mayes	19	8.0	468	14.4	1 151	.7	70 042	1.0	963	.8	31 105	1.3
Murray	4	15.8	(D)	(D)	389	.8	34 603	1.2	334	1.1	17 122	1.5
Muskogee	33	4.6	6 595	.5	1 180	.8	69 464	1.0	1 058	.8	38 077	1.1
Noble	6	15.0	185	16.8	554	.9	50 895	.9	473	1.0	17 259	1.3
Nowata	1	34.4	(D)	(D)	632	.8	64 798	1.0	534	1.0	22 801	1.3
Okfuskee	19	5.1	490	4.5	657	.8	41 719	1.0	598	.9	22 281	1.1
Oklahoma	62	4.1	736	11.6	606	1.1	20 908	1.6	495	1.3	10 695	1.8
Okmulgee	14	8.3	341	9.8	866	.8	52 000	1.1	767	.9	27 401	1.2
Osage	22	7.3	305	11.9	936	.7	172 946	.3	759	.8	50 101	.6
Ottawa	16	8.3	84	13.5	789	.8	45 249	1.2	664	1.0	24 202	1.5
Pawnee	9	12.1	52	18.1	512	.9	36 354	1.4	422	1.2	15 032	1.8
Payne	41	5.2	426	6.2	985	.7	54 370	1.0	805	.9	23 840	1.3
Pittsburg	28	5.4	1 900	3.5	1 356	.7	81 821	.9	1 201	.8	43 370	1.0
Pontotoc	20	6.5	2 483	2.7	920	.7	57 174	.9	798	.8	28 402	1.1
Pottawatomie	32	5.4	1 284	5.8	1 147	.7	51 680	1.1	1 025	.8	27 699	1.3
Pushmataha	8	14.4	193	29.9	635	.8	33 204	1.3	559	1.0	20 139	1.3
Roger Mills	28	4.1	4 645	6.9	580	.8	69 561	.8	513	.9	32 495	.9
Rogers	26	6.4	1 087	8.2	1 102	.7	65 968	1.0	932	.8	29 012	1.4
Seminole	13	9.2	1 027	14.6	849	.7	40 528	.9	766	.8	22 827	1.1
Sequoyah	24	5.5	1 860	3.7	903	.7	51 405	1.0	766	.9	25 751	1.2
Stephens	26	6.4	3 282	2.0	958	.8	72 616	.9	829	.9	33 559	1.0
Texas	217	1.5	137 898	.5	380	1.3	282 993	.1	265	1.7	15 439	1.2
Tillman	62	3.7	13 836	2.7	374	1.3	47 044	1.2	308	1.5	(D)	(D)
Tulsa	51	3.9	2 958	.3	568	1.2	21 844	1.7	455	1.4	12 245	2.0
Wagoner	21	7.0	1 341	1.4	756	.8	38 672	1.2	668	.9	19 652	1.5
Washington	13	8.5	117	8.7	561	.9	36 021	1.1	460	1.1	12 144	1.6
Washita	29	4.9	3 075	2.0	778	.8	102 906	.6	599	1.0	23 472	1.3
Woods	16	5.8	2 783	2.8	496	.9	107 220	.4	389	1.1	24 324	1.0
Woodward	44	4.1	5 887	2.9	633	.8	78 168	.6	506	1.0	29 625	.9

See footnotes at end of table.

Table F. **Reliability Estimates for the State and County 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 (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Oklahoma	**1 921**	**.8**	**87 647**	**.4**	**3 002**	**.8**	**1 689 700**	**.1**	**1 529**	**1.0**	**67 171**	**1.4**
Adair	94	2.8	4 864	1.7	51	4.9	(D)	(D)	16	8.8	192	16.8
Alfalfa	4	9.9	232	.3	28	5.2	7 883	.6	26	6.9	1 642	3.1
Atoka	23	7.8	160	13.0	41	5.3	303	10.8	13	10.6	208	13.5
Beaver	12	7.2	428	2.3	30	5.7	30 732	.5	7	11.5	729	27.1
Beckham	23	7.5	585	6.0	34	5.8	360	12.7	22	7.1	474	7.5
Blaine	11	10.7	251	10.1	21	7.2	(D)	(D)	17	8.5	966	11.9
Bryan	29	5.5	2 815	1.1	36	5.6	388	12.3	32	6.2	1 608	21.5
Caddo	26	7.4	369	11.9	42	5.3	17 991	.3	21	8.8	1 949	2.8
Canadian	18	4.7	1 361	1.9	28	6.7	6 165	3.8	32	5.7	3 371	8.9
Carter	20	7.9	54	11.1	55	4.8	614	8.3	27	6.4	414	6.1
Cherokee	56	4.1	2 394	3.2	61	4.7	791	15.2	15	10.1	171	13.1
Choctaw	22	7.2	216	6.0	36	6.0	341	8.9	13	9.2	152	11.6
Cimarron	6	10.5	(D)	(D)	12	9.6	247	7.4	9	9.6	192	15.4
Cleveland	25	6.8	389	3.4	56	4.5	6 414	1.6	38	5.7	591	8.3
Coal	33	5.4	832	5.9	21	7.5	4 066	1.7	9	11.2	110	29.0
Comanche	45	3.9	2 788	2.0	39	5.2	394	8.6	17	8.6	1 029	12.5
Cotton	3	22.1	5	21.0	15	8.5	238	9.7	9	11.0	189	7.6
Craig	34	5.0	882	4.3	38	5.4	494	10.6	22	7.0	395	13.0
Creek	49	5.1	853	5.4	115	3.3	3 010	1.8	48	5.3	1 222	8.9
Custer	13	8.2	683	5.4	19	6.8	(D)	(D)	18	7.2	2 306	3.4
Delaware	70	3.3	3 651	2.6	83	3.5	37 417	.1	14	9.6	336	15.3
Dewey	12	8.6	174	5.0	20	7.7	148	9.8	15	9.6	483	24.8
Ellis	16	6.1	859	3.6	13	9.8	533	13.7	12	8.5	912	2.8
Garfield	13	8.0	849	2.5	31	6.0	966	11.7	42	4.8	3 490	4.3
Garvin	22	7.3	943	2.5	42	5.3	408	6.5	25	6.4	556	6.7
Grady	85	2.8	21 280	.3	46	5.1	7 728	1.9	42	5.3	1 580	7.1
Grant	5	12.7	269	.6	29	6.4	1 151	10.4	12	9.3	1 553	5.1
Greer	5	14.9	52	15.7	8	13.4	100	22.1	2	30.8	(D)	(D)
Harmon	1	28.2	(D)	(D)	8	10.1	1 461	3.8	–	–	–	–
Harper	7	8.7	321	1.9	16	7.3	474	6.5	10	9.5	638	5.4
Haskell	23	7.2	495	5.3	45	4.9	12 009	8.5	17	8.9	330	9.6
Hughes	22	7.5	218	11.9	42	4.2	125 474	.1	12	10.2	247	17.0
Jackson	9	13.3	80	20.3	22	8.1	357	12.2	17	8.9	1 100	13.4
Jefferson	1	–	(D)	(D)	15	8.8	123	14.4	9	11.3	892	7.3
Johnston	18	8.2	591	6.9	30	6.1	2 057	6.0	17	7.4	1 121	6.2
Kay	17	7.6	541	7.4	39	5.3	2 262	11.1	29	5.8	4 939	1.4
Kingfisher	19	3.8	1 531	2.2	36	5.4	(D)	(D)	21	6.8	2 613	4.5
Kiowa	7	15.7	129	21.2	24	6.7	765	14.9	16	6.8	2 144	9.4
Latimer	21	7.4	104	15.3	26	6.7	(D)	(D)	14	9.1	110	9.9
Le Flore	38	5.7	280	4.9	75	3.5	11 404	4.7	32	6.3	413	8.3
Lincoln	61	4.1	2 396	3.0	118	3.2	2 465	4.3	60	4.7	931	8.7
Logan	19	8.0	400	3.4	40	5.3	(D)	(D)	35	5.8	1 744	5.1
Love	12	9.8	50	11.9	22	6.6	128	6.9	16	7.9	168	12.8
McClain	35	4.8	2 002	1.9	47	4.8	(D)	(D)	31	6.4	725	10.4
McCurtain	43	5.0	759	1.8	77	3.4	39 326	1.3	25	6.7	269	9.8
McIntosh	22	7.6	531	7.2	33	6.3	(D)	(D)	12	8.9	72	8.7
Major	18	6.4	847	3.3	22	7.7	(D)	(D)	25	7.1	916	11.3
Marshall	3	23.0	(D)	(D)	13	9.1	159	14.8	8	11.7	(D)	(D)
Mayes	98	2.8	5 250	1.8	89	3.4	1 965	6.3	19	8.8	269	11.3
Murray	29	4.9	2 582	1.5	15	9.7	452	16.9	5	16.8	167	19.7
Muskogee	40	4.6	1 716	2.5	54	4.7	417	9.5	30	6.3	1 127	4.5
Noble	10	10.2	241	1.1	36	5.8	1 126	6.7	36	5.2	2 035	4.4
Nowata	27	6.5	491	9.0	28	6.4	254	13.7	13	9.6	304	20.2
Okfuskee	10	11.2	19	14.9	39	4.4	23 739	1.8	14	9.1	154	12.5
Oklahoma	17	8.2	331	4.4	49	5.1	638	8.7	29	6.8	559	8.2
Okmulgee	14	9.2	171	4.9	44	5.3	(D)	(D)	13	10.3	332	13.8
Osage	21	6.6	658	2.2	61	4.3	1 344	9.4	30	6.1	989	8.4
Ottawa	47	4.5	1 874	3.9	48	5.0	617	8.9	13	9.8	313	13.1
Pawnee	11	9.7	33	25.0	31	6.3	1 124	1.6	28	6.8	1 110	10.5
Payne	47	4.5	2 240	1.9	99	3.4	2 189	5.3	56	4.4	1 989	6.6
Pittsburg	33	6.1	370	2.6	52	4.8	574	4.4	10	11.5	155	14.8
Pontotoc	29	5.0	807	3.8	49	4.7	(D)	(D)	16	8.0	447	12.6
Pottawatomie	33	5.7	1 058	2.5	72	3.7	8 976	.5	27	6.8	1 101	18.4
Pushmataha	26	7.0	67	12.4	42	5.3	983	6.7	16	9.3	333	15.2
Roger Mills	31	4.4	1 775	2.2	19	7.6	383	17.0	7	11.9	709	5.7
Rogers	50	4.3	1 334	3.9	57	4.6	464	7.8	19	8.1	347	15.6
Seminole	27	6.5	642	6.8	27	5.9	9 170	.4	10	11.8	75	15.9
Sequoyah	20	7.5	137	4.4	35	5.8	2 837	2.0	8	14.0	201	18.6
Stephens	27	6.2	884	2.5	60	4.5	1 232	10.0	19	8.6	426	11.0
Texas	11	9.8	17	12.0	30	5.3	907 046	(L)	12	10.4	386	17.6
Tillman	5	13.7	(D)	(D)	2	22.8	(D)	(D)	20	8.1	1 812	16.2
Tulsa	15	9.8	112	16.4	28	7.1	640	11.9	24	7.1	563	18.5
Wagoner	28	5.9	701	4.0	40	5.6	335	9.1	16	8.6	152	11.3
Washington	9	11.9	101	14.9	32	6.3	862	6.4	17	8.1	205	15.6
Washita	16	8.3	575	3.1	14	9.6	(D)	(D)	6	13.6	(D)	(D)
Woods	9	9.9	39	11.7	24	6.1	483	13.0	18	6.4	628	4.7
Woodward	11	9.2	130	6.8	26	6.6	(D)	(D)	17	7.8	1 562	7.7

See footnotes at end of table.

Table F. **Reliability Estimates for the State and County 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 (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Oklahoma	**3 169**	**.8**	**4 186 985**	**.8**	**632**	**.6**	**169 292 948**	**.1**
Adair	61	3.6	657 540	1.5	48	1.3	12 147 732	.4
Alfalfa	10	9.4	200	11.9	–	–	–	–
Atoka	43	5.6	698	7.0	1	49.0	(D)	(D)
Beaver	15	8.5	347	17.7	–	–	–	–
Beckham	17	9.8	217	12.3	1	39.5	(D)	(D)
Blaine	15	8.2	(D)	(D)	–	–	–	–
Bryan	59	4.6	1 115	5.9	3	14.2	20	10.6
Caddo	24	7.9	386	10.1	–	–	–	–
Canadian	25	7.3	747	9.5	1	43.0	(D)	(D)
Carter	56	4.8	1 799	10.9	–	–	–	–
Cherokee	75	4.0	29 829	.5	17	2.2	3 336 028	(L)
Choctaw	38	5.8	746	6.8	4	9.6	876 006	(L)
Cimarron	9	8.9	263	9.1	1	39.4	(D)	(D)
Cleveland	67	4.3	1 402	5.9	2	27.5	(D)	(D)
Coal	36	5.7	734	7.0	–	–	–	–
Comanche	39	5.2	803	8.3	–	–	–	–
Cotton	7	14.6	103	15.7	–	–	–	–
Craig	43	5.1	762	6.6	7	6.1	3 420 005	(L)
Creek	140	2.9	(D)	(D)	3	15.5	(D)	(D)
Custer	19	7.3	999	35.1	–	–	–	–
Delaware	99	2.9	755 374	2.0	78	.5	28 493 904	.1
Dewey	25	6.5	565	8.5	–	–	–	–
Ellis	14	9.5	182	11.9	2	20.7	(D)	(D)
Garfield	34	5.8	863	10.9	1	36.4	(D)	(D)
Garvin	57	4.6	(D)	(D)	1	40.3	(D)	(D)
Grady	61	4.4	1 179	6.0	3	18.6	12	27.6
Grant	13	10.2	279	8.8	1	40.0	(D)	(D)
Greer	8	13.7	84	19.6	–	–	–	–
Harmon	2	22.3	(D)	(D)	–	–	–	–
Harper	3	20.0	53	23.2	–	–	–	–
Haskell	37	5.8	123 674	7.5	33	1.4	8 844 920	.4
Hughes	36	5.8	786	8.0	–	–	–	–
Jackson	13	8.1	160	11.2	2	23.1	(D)	(D)
Jefferson	11	10.5	143	11.7	–	–	–	–
Johnston	37	5.4	(D)	(D)	–	–	–	–
Kay	41	5.3	1 060	8.7	–	–	–	–
Kingfisher	27	6.9	591	8.8	–	–	–	–
Kiowa	13	8.3	371	12.6	–	–	–	–
Latimer	36	5.5	608	7.0	3	–	650 000	–
Le Flore	74	4.1	90 803	9.0	180	.7	46 635 049	.2
Lincoln	121	3.2	1 893	3.8	4	17.9	130	19.1
Logan	48	4.7	893	6.4	–	–	–	–
Love	19	7.9	297	8.4	–	–	–	–
McClain	38	5.8	686	8.6	1	36.3	(D)	(D)
McCurtain	72	3.6	440 305	3.6	166	.8	55 029 757	.2
McIntosh	52	5.2	(D)	(D)	2	19.3	(D)	(D)
Major	30	6.4	937	10.0	–	–	–	–
Marshall	20	7.6	488	9.2	–	–	–	–
Mayes	87	3.6	48 055	20.2	15	6.7	2 586 925	(L)
Murray	17	7.7	(D)	(D)	–	–	–	–
Muskogee	81	4.0	1 275	5.0	4	13.6	(D)	(D)
Noble	18	8.4	322	9.9	–	–	–	–
Nowata	34	5.9	505	6.9	–	–	–	–
Okfuskee	45	4.9	5 021	.9	–	–	–	–
Oklahoma	45	5.4	1 060	11.6	–	–	–	–
Okmulgee	61	4.5	1 167	6.3	1	38.9	(D)	(D)
Osage	56	4.5	1 145	6.1	2	18.3	(D)	(D)
Ottawa	30	6.3	(D)	(D)	14	–	6 060 355	–
Pawnee	55	4.8	1 025	9.0	–	–	–	–
Payne	49	4.8	1 218	5.6	2	18.8	(D)	(D)
Pittsburg	71	4.5	11 527	.8	3	13.4	(D)	(D)
Pontotoc	70	3.9	1 527	5.7	–	–	–	–
Pottawatomie	89	3.6	1 405	4.7	5	16.6	139	25.0
Pushmataha	51	4.6	47 849	9.9	–	–	–	–
Roger Mills	19	7.4	532	15.7	–	–	–	–
Rogers	103	3.4	2 109	4.9	6	13.3	830	18.6
Seminole	55	4.5	772	6.0	1	34.9	(D)	(D)
Sequoyah	43	5.4	52 140	8.6	3	15.1	(D)	(D)
Stephens	35	6.1	589	7.5	2	31.0	(D)	(D)
Texas	14	9.8	224	11.6	–	–	–	–
Tillman	11	9.5	156	10.8	–	–	–	–
Tulsa	50	5.2	920	6.1	1	47.9	(D)	(D)
Wagoner	51	5.0	934	7.0	1	48.1	(D)	(D)
Washington	26	6.8	496	7.8	–	–	–	–
Washita	16	8.7	210	8.9	2	19.9	(D)	(D)
Woods	18	7.6	249	8.2	3	18.2	400	21.6
Woodward	30	6.3	563	6.7	2	21.0	(D)	(D)

See footnotes at end of table.

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

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

Geographic area	Selected crops harvested											
	Sorghum for grain or seed						Wheat for grain					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Oklahoma	**2 557**	**.7**	**417 872**	**.5**	**18 863 920**	**.5**	**13 935**	**.6**	**4 825 074**	**.4**	**141 302 977**	**.3**
Adair	4	14.7	(D)	(D)	470	20.1	4	13.0	154	13.4	6 720	13.6
Alfalfa	31	4.5	2 950	2.5	123 306	2.6	529	.9	257 119	.7	9 318 962	.7
Atoka	6	14.1	185	15.4	10 619	16.4	5	13.5	410	8.1	12 600	5.3
Beaver	125	2.2	34 499	1.3	1 430 860	1.5	319	1.3	137 556	1.0	2 848 362	1.1
Beckham	30	4.8	3 032	5.5	110 158	3.6	276	1.7	68 368	1.4	1 566 775	1.4
Blaine	50	4.2	4 687	4.3	193 867	4.2	548	1.1	181 647	1.1	4 803 996	1.1
Bryan	17	5.8	1 567	4.6	61 919	4.5	25	5.8	5 684	2.7	202 842	3.3
Caddo	130	2.3	11 106	1.6	452 765	1.9	643	1.1	166 770	.9	4 240 134	.9
Canadian	19	6.3	1 329	7.3	50 142	8.0	520	1.1	151 849	1.0	4 234 570	.9
Carter	1	–	(D)	(D)	(D)	(D)	16	6.9	2 167	6.8	68 003	7.2
Cherokee	–	–	–	–	–	–	7	9.5	731	7.4	19 864	5.0
Choctaw	–	–	–	–	–	–	2	–	(D)	(D)	(D)	(D)
Cimarron	184	1.7	82 060	.9	2 858 662	.9	217	1.5	117 559	.9	3 875 450	.8
Cleveland	6	11.6	161	11.8	11 329	16.7	42	4.7	6 390	3.3	170 152	3.3
Coal	4	18.4	120	20.3	3 348	20.5	–	–	–	–	–	–
Comanche	15	7.3	1 250	8.0	31 117	7.7	272	1.6	69 793	1.6	1 615 750	1.7
Cotton	7	7.3	844	1.2	16 668	2.8	293	1.2	107 955	.9	2 698 574	.8
Craig	96	2.8	11 182	2.7	637 320	2.5	99	2.7	11 301	2.2	399 186	2.4
Creek	5	9.6	599	9.8	24 652	8.7	14	7.4	1 272	6.6	36 500	5.3
Custer	63	3.1	6 173	3.2	333 915	3.1	468	1.0	179 402	.8	5 067 209	.8
Delaware	14	7.4	1 101	4.8	74 505	4.7	33	5.4	3 534	4.9	117 705	4.8
Dewey	26	5.4	1 363	3.6	55 394	4.2	360	1.2	113 251	1.1	3 162 665	1.2
Ellis	31	4.4	3 658	3.2	125 464	3.8	229	1.6	70 818	1.5	1 700 707	1.5
Garfield	59	3.0	5 330	1.8	290 287	1.7	767	.7	339 057	.6	11 969 967	.7
Garvin	13	6.9	670	6.4	30 195	5.6	84	2.9	10 505	2.3	293 542	2.4
Grady	35	5.0	2 010	6.4	104 415	7.2	339	1.5	69 918	1.5	1 853 530	1.5
Grant	171	1.9	32 693	1.3	2 093 406	1.2	547	.8	299 949	.7	11 532 315	.7
Greer	18	7.3	840	8.0	42 514	7.1	214	1.8	71 943	1.7	1 657 355	1.8
Harmon	31	4.8	4 058	5.1	145 943	5.8	149	1.8	53 590	1.2	1 093 809	1.1
Harper	22	4.9	1 838	4.2	64 674	4.6	209	1.3	100 535	1.0	2 697 124	.9
Haskell	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Hughes	8	9.5	388	10.1	21 434	7.8	16	6.3	1 908	4.0	59 980	4.1
Jackson	55	3.5	8 027	2.2	260 280	2.3	356	1.3	168 084	.8	3 586 464	.9
Jefferson	3	–	210	–	11 772	–	103	2.6	22 100	2.0	600 438	1.9
Johnston	5	11.7	222	7.2	8 796	12.5	9	7.6	968	3.9	24 956	7.1
Kay	206	1.8	34 448	1.3	1 994 035	1.4	534	1.1	200 096	.9	8 608 682	1.0
Kingfisher	30	4.1	3 288	2.8	143 768	2.7	596	1.0	196 593	.9	5 472 205	.9
Kiowa	65	3.3	8 765	3.2	294 264	3.2	443	1.1	213 501	.8	4 332 154	.8
Latimer	1	36.0	(D)	(D)	(D)	(D)	2	26.7	(D)	(D)	(D)	(D)
Le Flore	5	10.2	440	4.6	16 470	10.8	21	3.9	4 562	1.9	190 445	2.0
Lincoln	10	9.6	411	9.6	14 797	7.8	66	3.9	3 792	5.5	90 754	4.8
Logan	17	6.2	1 462	8.4	59 761	9.7	243	1.7	66 297	1.4	2 097 555	1.4
Love	5	11.7	725	6.2	35 849	8.9	40	4.6	3 830	3.7	101 901	4.0
McClain	10	9.3	653	9.3	33 338	11.5	112	2.6	10 185	2.6	291 664	2.7
McCurtain	4	13.8	246	6.4	13 254	9.5	10	9.9	593	12.1	23 372	10.3
McIntosh	10	12.4	926	17.0	67 745	18.9	14	8.8	1 157	11.4	34 724	12.7
Major	21	6.0	1 153	3.9	47 896	2.6	424	1.2	124 235	1.3	3 957 024	1.3
Marshall	6	14.1	284	9.6	10 308	9.2	6	12.7	1 373	4.2	44 340	2.7
Mayes	52	4.0	3 883	5.1	224 731	4.3	74	3.2	6 604	3.8	221 623	3.3
Murray	2	19.4	(D)	(D)	(D)	(D)	11	7.0	1 545	5.6	51 498	5.7
Muskogee	21	5.4	2 232	3.7	131 258	4.4	54	3.2	7 676	2.5	252 267	3.1
Noble	83	2.5	11 093	2.1	584 311	1.6	325	1.3	121 830	1.0	4 702 248	1.0
Nowata	30	5.7	2 223	9.2	88 721	7.0	54	4.3	4 176	5.4	129 808	5.5
Okfuskee	4	11.8	205	5.9	6 100	7.4	13	6.2	1 934	2.0	45 890	1.9
Oklahoma	6	11.6	290	14.5	7 650	16.2	93	3.3	17 850	2.7	437 174	2.8
Okmulgee	5	12.7	412	11.1	12 680	18.9	27	5.6	2 808	3.3	108 716	3.1
Osage	19	5.5	1 467	3.8	81 789	3.8	117	2.3	23 435	2.0	891 915	2.0
Ottawa	66	2.9	10 803	1.9	772 661	1.9	88	2.8	19 951	1.2	797 818	1.2
Pawnee	17	5.5	1 463	5.6	77 785	5.5	87	3.0	8 797	2.8	312 791	3.2
Payne	25	6.6	1 295	9.8	73 064	9.6	139	2.6	15 009	3.8	419 735	3.6
Pittsburg	4	15.7	86	16.6	4 732	17.9	14	7.8	732	7.8	12 410	8.9
Pontotoc	1	30.2	(D)	(D)	(D)	(D)	9	7.3	370	8.2	9 700	9.2
Pottawatomie	8	10.8	586	9.5	34 686	12.1	62	3.7	6 533	4.4	198 269	4.8
Pushmataha	–	–	–	–	–	–	2	23.3	(D)	(D)	(D)	(D)
Roger Mills	18	4.8	3 078	1.3	130 437	.8	201	1.8	41 834	1.6	1 006 955	1.4
Rogers	19	6.6	1 676	4.8	100 150	3.4	49	4.1	6 405	4.1	240 541	4.1
Seminole	2	–	(D)	(D)	(D)	(D)	7	10.0	1 135	1.8	37 821	1.0
Sequoyah	1	–	(D)	(D)	(D)	(D)	17	5.5	1 912	4.9	91 619	4.0
Stephens	12	6.8	2 232	.9	76 105	.7	93	2.9	16 928	2.6	399 289	2.6
Texas	235	1.5	73 162	1.1	2 867 037	1.1	375	1.2	205 456	.7	4 852 016	.6
Tillman	79	3.2	8 090	2.2	371 642	2.6	391	1.3	162 902	1.0	3 717 627	1.1
Tulsa	4	15.0	390	20.7	15 960	19.8	30	5.6	2 960	7.5	91 441	7.5
Wagoner	21	4.9	2 266	2.0	117 445	2.3	57	3.2	10 388	1.8	377 538	2.1
Washington	13	7.3	1 229	4.0	54 886	3.9	32	4.4	6 034	3.4	232 272	3.3
Washita	104	2.6	8 980	3.2	438 487	2.8	646	.8	230 330	.8	5 250 627	.7
Woods	18	6.3	1 034	8.8	34 791	7.4	385	1.1	190 340	.8	6 982 093	.8
Woodward	14	6.1	1 787	4.4	89 189	3.6	257	1.6	88 775	1.2	2 616 213	1.3

See footnotes at end of table.

Table F. **Reliability Estimates for the State and County 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 (percent)	Number	Relative standard error of estimate (percent)	Bales	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Oklahoma	**849**	**1.0**	**176 962**	**.5**	**190 186**	**.4**	**1 921**	**.7**	**323 082**	**.5**	**9 498 068**	**.5**
Adair	–	–	–	–	–	–	–	–	–	–	–	–
Alfalfa	1	47.8	(D)	(D)	(D)	(D)	13	6.0	916	3.4	20 085	3.5
Atoka	–	–	–	–	–	–	3	19.8	235	21.1	10 700	22.6
Beaver	–	–	–	–	–	–	1	39.4	(D)	(D)	(D)	(D)
Beckham	41	4.3	8 974	3.6	3 985	3.4	3	24.6	130	25.4	3 490	27.5
Blaine	4	16.1	80	18.5	51	16.0	15	7.4	1 383	4.7	41 164	4.3
Bryan	5	16.3	254	21.7	154	17.4	25	5.7	4 092	5.2	78 133	4.2
Caddo	29	2.8	2 763	.5	2 294	.4	65	3.2	6 133	3.7	155 582	2.2
Canadian	13	6.0	921	1.9	722	1.2	61	3.6	5 868	2.6	156 988	3.2
Carter	–	–	–	–	–	–	3	15.7	221	14.7	6 329	10.8
Cherokee	–	–	–	–	–	–	4	15.3	305	35.2	11 660	35.9
Choctaw	–	–	–	–	–	–	10	4.7	5 735	1.6	149 510	1.1
Cimarron	–	–	–	–	–	–	2	–	(D)	(D)	(D)	(D)
Cleveland	1	35.7	(D)	(D)	(D)	(D)	18	6.8	2 477	5.3	53 390	5.3
Coal	2	29.6	(D)	(D)	(D)	(D)	6	14.6	426	19.8	9 850	25.3
Comanche	13	4.0	4 378	1.5	2 472	.7	3	17.4	(D)	(D)	(D)	(D)
Cotton	17	5.1	1 839	2.5	1 429	1.9	7	–	942	–	15 240	–
Craig	–	–	–	–	–	–	87	2.9	13 036	2.0	335 263	1.9
Creek	–	–	–	–	–	–	18	7.8	1 829	8.3	42 915	7.3
Custer	23	4.4	2 063	2.9	1 178	2.9	20	5.1	1 308	2.8	41 869	2.4
Delaware	–	–	–	–	–	–	14	7.8	2 145	4.7	71 394	3.6
Dewey	–	–	–	–	–	–	2	19.5	(D)	(D)	(D)	(D)
Ellis	–	–	–	–	–	–	3	–	(D)	(D)	(D)	(D)
Garfield	–	–	–	–	–	–	43	3.8	4 722	4.9	128 735	5.0
Garvin	7	11.9	310	13.4	115	13.3	74	3.0	12 250	3.1	335 593	2.9
Grady	5	13.4	333	17.3	262	16.9	20	7.2	2 787	10.2	61 643	6.1
Grant	3	–	625	–	816	–	48	4.0	6 617	4.4	180 398	3.8
Greer	42	4.3	6 015	3.2	7 175	2.4	2	19.6	(D)	(D)	(D)	(D)
Harmon	75	2.6	18 892	1.5	25 128	1.5	4	14.0	300	13.5	14 020	5.7
Harper	–	–	–	–	–	–	–	–	–	–	–	–
Haskell	–	–	–	–	–	–	6	9.6	1 588	9.0	40 550	10.7
Hughes	–	–	–	–	–	–	37	4.6	2 905	5.7	69 932	5.6
Jackson	146	1.7	53 833	.5	92 256	.5	7	6.7	736	9.9	16 290	8.9
Jefferson	2	24.2	(D)	(D)	(D)	(D)	1	–	(D)	(D)	(D)	(D)
Johnston	–	–	–	–	–	–	3	11.9	142	7.5	(D)	(D)
Kay	8	5.0	2 572	.1	3 801	.1	146	2.1	22 116	1.8	792 720	1.9
Kingfisher	1	–	(D)	(D)	(D)	(D)	24	5.3	1 874	8.3	40 935	9.1
Kiowa	114	2.4	16 750	1.5	11 314	1.4	19	6.2	1 374	5.1	24 119	5.6
Latimer	–	–	–	–	–	–	1	36.0	(D)	(D)	(D)	(D)
Le Flore	–	–	–	–	–	–	26	4.2	18 087	2.0	491 359	2.0
Lincoln	–	–	–	–	–	–	16	7.3	1 575	9.6	47 716	9.4
Logan	–	–	–	–	–	–	6	10.1	355	15.0	8 550	17.5
Love	–	–	–	–	–	–	2	25.9	(D)	(D)	(D)	(D)
McClain	4	12.7	489	3.3	429	4.7	49	3.7	7 775	2.3	212 048	2.1
McCurtain	–	–	–	–	–	–	25	5.4	11 069	3.0	266 636	2.9
McIntosh	–	–	–	–	–	–	25	6.6	2 575	8.1	62 654	9.3
Major	–	–	–	–	–	–	13	7.0	1 335	11.6	21 933	8.7
Marshall	–	–	–	–	–	–	2	18.8	(D)	(D)	(D)	(D)
Mayes	–	–	–	–	–	–	88	3.1	8 960	3.6	246 208	4.0
Murray	–	–	–	–	–	–	3	15.9	245	13.3	5 130	11.1
Muskogee	–	–	–	–	–	–	80	2.7	22 528	1.0	713 827	.9
Noble	–	–	–	–	–	–	52	3.2	5 661	2.7	184 761	2.9
Nowata	–	–	–	–	–	–	44	4.9	3 859	6.4	96 149	6.3
Okfuskee	–	–	–	–	–	–	10	7.4	935	4.5	21 304	4.5
Oklahoma	–	–	–	–	–	–	19	6.0	1 799	5.9	53 710	5.2
Okmulgee	2	–	(D)	(D)	(D)	(D)	31	4.8	6 241	2.4	198 732	2.2
Osage	–	–	–	–	–	–	57	3.6	9 014	3.1	293 785	3.4
Ottawa	–	–	–	–	–	–	92	2.8	20 965	1.3	632 477	1.1
Pawnee	–	–	–	–	–	–	73	3.3	12 281	2.9	390 150	2.9
Payne	1	–	(D)	(D)	(D)	(D)	24	6.3	1 940	7.4	58 222	7.5
Pittsburg	–	–	–	–	–	–	11	8.1	736	7.8	19 274	9.5
Pontotoc	–	–	–	–	–	–	7	6.1	603	3.1	12 748	3.9
Pottawatomie	–	–	–	–	–	–	31	5.4	3 174	5.0	101 051	5.2
Pushmataha	–	–	–	–	–	–	–	–	–	–	–	–
Roger Mills	5	11.0	380	11.0	240	15.5	1	39.1	(D)	(D)	(D)	(D)
Rogers	–	–	–	–	–	–	49	4.0	6 312	3.7	191 628	4.0
Seminole	–	–	–	–	–	–	3	–	1 150	–	31 774	–
Sequoyah	–	–	–	–	–	–	38	4.2	8 098	3.8	265 368	4.2
Stephens	–	–	–	–	–	–	1	36.8	(D)	(D)	(D)	(D)
Texas	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Tillman	154	2.2	32 957	1.3	21 731	1.4	12	8.5	861	8.0	14 667	6.1
Tulsa	–	–	–	–	–	–	31	5.3	5 792	4.1	149 627	4.5
Wagoner	5	11.0	739	6.1	1 014	4.2	116	2.3	40 955	1.2	1 362 793	1.1
Washington	–	–	–	–	–	–	39	4.2	8 817	2.5	276 601	2.3
Washita	125	2.5	21 226	2.2	13 202	2.1	21	6.1	1 782	5.8	67 086	2.2
Woods	1	–	(D)	(D)	(D)	(D)	5	12.1	799	10.6	20 119	7.8
Woodward	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

Geographic area	Selected crops harvested—Con.											
	Peanuts for nuts						Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Pounds	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Oklahoma	**662**	**1.2**	**68 340**	**.8**	**163 572 035**	**.8**	**35 751**	**.5**	**2 478 944**	**.5**	**4 651 859**	**.4**
Adair	–	–	–	–	–	–	686	.9	40 242	1.2	90 712	1.4
Alfalfa	–	–	–	–	–	–	338	1.3	33 369	1.3	116 875	1.2
Atoka	15	7.8	1 066	10.2	1 654 461	8.4	612	1.1	38 826	1.3	60 364	1.4
Beaver	–	–	–	–	–	–	218	1.7	22 586	1.4	44 285	1.9
Beckham	14	9.1	1 983	10.3	4 965 101	10.2	333	1.6	21 311	1.8	42 008	1.7
Blaine	9	7.1	664	2.5	2 469 960	2.6	392	1.4	27 819	1.9	56 281	1.7
Bryan	42	4.5	6 104	3.2	10 048 586	3.5	806	1.0	58 064	1.2	90 570	1.4
Caddo	236	1.7	28 400	1.0	76 596 162	1.0	713	1.1	45 331	1.5	94 811	1.7
Canadian	5	16.6	390	14.9	1 045 000	13.9	566	1.1	40 908	1.2	93 797	1.1
Carter	7	8.5	931	3.2	2 150 539	3.8	409	1.4	22 907	2.0	37 292	3.7
Cherokee	–	–	–	–	–	–	627	1.1	31 390	1.7	56 338	1.8
Choctaw	–	–	–	–	–	–	561	1.1	42 777	1.4	72 635	1.4
Cimarron	–	–	–	–	–	–	64	2.9	7 065	1.5	23 353	1.7
Cleveland	2	17.3	(D)	(D)	(D)	(D)	421	1.3	29 210	1.9	61 967	2.0
Coal	–	–	–	–	–	–	342	1.3	27 337	1.8	43 131	2.3
Comanche	6	10.6	361	7.2	834 369	10.4	476	1.2	37 608	1.4	70 157	1.6
Cotton	–	–	–	–	–	–	212	1.7	16 315	2.2	28 473	2.5
Craig	–	–	–	–	–	–	724	.8	58 547	1.2	91 970	1.2
Creek	3	17.8	48	16.0	50 022	15.9	672	1.2	35 685	1.8	49 983	2.0
Custer	15	6.6	924	5.5	2 546 016	8.0	340	1.4	25 550	1.5	55 043	1.7
Delaware	–	–	–	–	–	–	779	.9	51 231	1.4	107 062	1.6
Dewey	3	13.0	(D)	(D)	(D)	(D)	249	1.7	15 628	1.9	33 359	1.8
Ellis	–	–	–	–	–	–	246	1.5	21 554	1.4	52 586	1.1
Garfield	–	–	–	–	–	–	435	1.2	26 419	1.2	57 860	1.1
Garvin	9	8.8	1 044	6.6	2 171 057	5.9	605	1.1	43 524	1.4	102 806	1.4
Grady	19	7.5	1 408	7.9	2 894 344	8.1	834	1.0	72 638	1.2	178 150	1.2
Grant	–	–	–	–	–	–	277	1.5	22 541	1.8	57 640	1.5
Greer	15	8.4	1 617	6.0	5 063 960	5.6	157	2.2	11 667	1.9	26 862	1.8
Harmon	8	8.5	644	7.3	1 455 838	10.4	100	2.3	7 920	2.5	15 522	1.9
Harper	–	–	–	–	–	–	163	1.7	16 301	2.0	33 226	2.0
Haskell	1	–	(D)	(D)	(D)	(D)	517	1.0	44 731	1.4	72 318	1.7
Hughes	41	4.2	3 165	3.4	7 607 251	3.3	475	1.2	32 885	1.4	57 902	1.5
Jackson	11	10.1	583	12.7	1 291 375	13.8	206	2.1	12 833	2.4	24 481	2.8
Jefferson	3	19.7	(D)	(D)	50 208	23.0	172	2.0	12 707	2.1	20 192	2.7
Johnston	12	7.5	1 186	3.5	3 086 476	2.8	316	1.5	23 054	1.6	38 442	1.8
Kay	–	–	–	–	–	–	410	1.4	21 654	1.8	43 792	2.3
Kingfisher	–	–	–	–	–	–	436	1.2	37 362	1.4	82 071	1.6
Kiowa	6	11.1	378	5.4	992 744	6.1	286	1.5	17 478	1.7	34 663	2.0
Latimer	–	–	–	–	–	–	354	1.3	26 284	2.1	38 144	2.0
Le Flore	–	–	–	–	–	–	911	.9	60 026	1.3	104 302	1.3
Lincoln	4	11.5	612	5.5	1 894 600	4.5	1 005	.9	55 777	1.2	99 685	1.3
Logan	3	16.6	156	15.8	336 776	16.1	446	1.3	37 247	1.6	58 780	1.7
Love	30	4.5	3 637	3.3	6 398 976	2.8	316	1.3	19 207	1.9	32 800	2.0
McClain	5	9.6	605	2.4	1 530 930	2.6	523	1.1	38 274	1.2	76 480	1.5
McCurtain	–	–	–	–	–	–	818	.9	38 832	1.3	89 114	1.6
McIntosh	5	16.3	591	14.4	1 316 920	11.0	516	1.2	34 796	1.7	58 030	1.9
Major	–	–	–	–	–	–	400	1.3	26 341	1.5	55 318	1.5
Marshall	12	10.0	782	11.1	910 490	14.7	199	1.9	11 394	2.7	12 977	2.6
Mayes	1	41.2	(D)	(D)	(D)	(D)	872	.9	59 781	1.2	103 700	1.3
Murray	–	–	–	–	–	–	218	1.6	17 013	2.1	35 314	2.0
Muskogee	2	15.9	(D)	(D)	(D)	(D)	827	1.0	63 926	1.2	117 679	1.2
Noble	1	39.1	(D)	(D)	(D)	(D)	418	1.2	31 981	1.5	62 863	1.7
Nowata	–	–	–	–	–	–	478	1.1	36 153	1.5	52 983	1.9
Okfuskee	7	4.8	1 411	1.3	2 308 284	1.0	401	1.3	27 623	2.1	42 435	2.0
Oklahoma	2	24.7	(D)	(D)	(D)	(D)	334	1.7	20 704	2.8	38 784	2.6
Okmulgee	14	6.2	914	3.7	1 594 124	2.6	563	1.1	45 535	1.4	66 963	1.5
Osage	1	31.6	(D)	(D)	(D)	(D)	518	1.1	37 665	1.1	58 459	1.4
Ottawa	–	–	–	–	–	–	546	1.1	38 846	1.4	66 421	1.5
Pawnee	–	–	–	–	–	–	356	1.3	20 159	1.6	37 496	2.0
Payne	3	17.7	(D)	(D)	(D)	(D)	628	1.0	48 245	1.5	75 608	1.8
Pittsburg	26	5.6	1 320	5.9	2 991 196	7.0	872	.9	51 482	1.1	77 407	1.1
Pontotoc	3	14.2	(D)	(D)	(D)	(D)	607	1.0	40 732	1.3	71 022	1.5
Pottawatomie	12	7.9	885	6.6	1 801 731	4.7	662	1.0	46 643	1.3	85 366	1.6
Pushmataha	–	–	–	–	–	–	425	1.3	26 619	1.7	38 440	1.8
Roger Mills	–	–	–	–	–	–	311	1.4	26 873	1.7	56 117	1.8
Rogers	–	–	–	–	–	–	765	1.0	50 748	1.7	79 546	1.7
Seminole	2	24.9	(D)	(D)	(D)	(D)	496	1.2	32 311	1.7	55 197	1.8
Sequoyah	–	–	–	–	–	–	584	1.1	32 831	1.6	50 510	1.9
Stephens	8	11.4	1 010	7.1	2 406 841	5.5	521	1.2	31 099	1.5	56 194	1.5
Texas	–	–	–	–	–	–	118	2.5	15 494	2.2	47 621	2.1
Tillman	23	5.2	2 569	2.4	6 365 888	2.3	236	1.8	20 645	2.2	50 980	2.5
Tulsa	–	–	–	–	–	–	368	1.6	22 388	2.8	38 859	3.1
Wagoner	1	38.9	(D)	(D)	(D)	(D)	497	1.2	35 907	1.4	60 414	1.6
Washington	–	–	–	–	–	–	386	1.3	22 076	2.4	31 618	2.7
Washita	15	6.1	1 282	2.2	3 301 650	3.5	449	1.2	28 994	1.6	62 403	1.5
Woods	–	–	–	–	–	–	289	1.3	21 744	1.5	51 115	1.8
Woodward	–	–	–	–	–	–	343	1.4	21 575	1.7	35 736	1.7

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

Table G. **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	74 214	9 798	84 012	1.8	11.7
Land in farms ..... acres	33 218 677	898 525	34 117 202	1.0	2.6
Average size of farm ..... acres	448	92	406	(X)	(X)
Farms by size of farm:					
Less than 10 acres	2 505	653	3 158	9.2	20.7
10 to 49 acres	12 673	4 570	17 243	5.7	26.5
50 to 179 acres	24 681	3 666	28 347	2.9	12.9
180 acres or more	34 355	909	35 264	1.7	2.6
Farms by value of sales:					
Less than $2,500	20 476	7 738	28 214	4.1	27.4
$2,500 to $9,999	24 054	1 435	25 489	2.6	5.6
$10,000 or more	29 684	625	30 309	1.6	2.1
Market value of agricultural products sold $1,000	4 146 351	57 828	4 204 178	.8	1.4
Farms by type of organization:					
Individual or family	67 226	9 650	76 876	2.0	12.6
Partnership, corporation, or other	6 988	148	7 136	3.7	2.1
Farms by tenure of operator:					
Full owners	41 550	7 374	48 924	2.5	15.1
Part owners	25 169	1 871	27 040	2.1	6.9
Tenants	7 495	553	8 048	5.2	6.9
Operators by place of residence:					
On farm operated	50 915	8 269	59 184	2.3	14.0
Not on farm operated	18 341	1 427	19 768	3.2	7.2
Not reported	4 958	102	5 060	3.0	2.0
Operators by principal occupation:					
Farming	33 060	1 309	34 369	1.6	3.8
Other	41 154	8 489	49 643	2.8	17.1
Operators by sex:					
Male	67 876	7 951	75 827	1.9	10.5
Female	6 338	1 847	8 185	8.2	22.6
Operators by race:					
White	69 827	9 469	79 296	1.9	11.9
Black and other races	4 387	329	4 716	5.1	7.0
Operators by years on present farm:					
4 years or less	11 340	2 588	13 928	4.2	18.6
5 years or more	50 750	6 683	57 433	1.9	11.6
Not reported	12 124	527	12 651	5.2	4.2

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