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	13.2	Corn for grain or seed ..... acres	5.7
Land in farms ..... acres	9.8	Wheat for grain ..... acres	6.0
Estimated market value of land and buildings[1] $1,000	9.4	Livestock and poultry inventory:	
Market value of agricultural products sold $1,000	4.8	Cattle and calves ..... number	10.4
Harvested cropland ..... acres	7.5	Hogs and pigs ..... number	1.8
		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	6.4	25	44.9
50	4.3	50	31.3
75	3.3	75	25.1
100	2.6	100	21.4
150	1.7	150	16.9
200	1.0	200	14.1
300	.8	300	10.6
500	.6	500	6.6
750	.5	750	3.0
1,000	.4	1,000	2.6
1,500	.4	1,500	2.1
2,000	.3	2,000	1.8

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..	98 860	.6
Land in farms ..... acres..	28 826 188	.5
Average size of farm ..... acres..	292	.7
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ..... farms..	98 860	.6
$1,000..	5 367 813	.3
Average per farm ..... dollars..	54 297	.6
Farms by value of sales:		
Less than $1,000 (see text) ..... farms..	13 690	.8
$1,000..	2 755	1.0
$1,000 to $2,499 ..... farms..	11 349	.8
$1,000..	19 357	.8
$2,500 to $4,999 ..... farms..	13 981	.7
$1,000..	50 822	.7
$5,000 to $9,999 ..... farms..	15 962	.7
$1,000..	114 276	.7
$10,000 to $19,999 ..... farms..	14 198	.7
$1,000..	199 415	.7
$20,000 to $24,999 ..... farms..	3 665	.9
$1,000..	81 483	.9
$25,000 to $39,999 ..... farms..	6 230	.9
$1,000..	195 891	.9
$40,000 to $49,999 ..... farms..	2 571	1.0
$1,000..	114 159	1.0
$50,000 to $99,999 ..... farms..	6 529	.9
$1,000..	462 351	.9
$100,000 to $249,999 ..... farms..	6 415	.6
$1,000..	1 009 359	.6
$250,000 to $499,999 ..... farms..	2 579	–
$1,000..	901 252	–
$500,000 or more ..... farms..	1 691	–
$1,000..	2 216 695	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops ..... farms..	45 057	.6
$1,000..	2 307 009	.3
Grains ..... farms..	28 056	.6
$1,000..	1 887 939	.3
Corn for grain ..... farms..	15 888	.6
$1,000..	612 057	.3
Wheat ..... farms..	12 282	.6
$1,000..	161 129	.4
Soybeans ..... farms..	24 156	.6
$1,000..	1 004 402	.4
Sorghum for grain ..... farms..	3 043	.8
$1,000..	52 905	.6
Barley ..... farms..	34	4.8
$1,000..	140	4.0
Oats ..... farms..	397	1.7
$1,000..	1 066	2.7
Other grains ..... farms..	546	1.0
$1,000..	56 240	.5
Cotton and cottonseed ..... farms..	863	.7
$1,000..	174 980	.2
Tobacco ..... farms..	480	1.4
$1,000..	10 141	1.5
Hay, silage, and field seeds ..... farms..	21 679	.6
$1,000..	103 167	.6
Vegetables, sweet corn, and melons ..... farms..	858	1.1
$1,000..	18 718	.8
Fruits, nuts, and berries ..... farms..	662	1.4
$1,000..	13 339	1.0
Nursery and greenhouse crops ..... farms..	1 062	1.1
$1,000..	89 056	.5
Other crops ..... farms..	122	2.9
$1,000..	9 669	.5
Livestock, poultry, and their products ..... farms..	70 811	.6
$1,000..	3 060 803	.2
Poultry and poultry products ..... farms..	2 273	.7
$1,000..	752 939	.1
Dairy products ..... farms..	3 125	.8
$1,000..	295 743	.5
Cattle and calves ..... farms..	66 350	.6
$1,000..	1 130 653	.4
Hogs and pigs ..... farms..	5 183	.6
$1,000..	843 264	.1
Sheep, lambs, and wool ..... farms..	1 872	1.0
$1,000..	4 718	1.7
Other livestock and livestock products (see text) ..... farms..	4 312	.8
$1,000..	33 488	.9
Value of agricultural products sold directly to individuals for human consumption (see text) ..... farms..	2 943	.8
$1,000..	8 774	1.2

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ..... farms..	98 852	.6
$1,000..	4 214 996	.4
Average per farm ..... dollars..	42 639	.7
Livestock and poultry purchased ..... farms..	29 162	1.2
$1,000..	574 610	.8
Feed for livestock and poultry ..... farms..	61 570	.8
$1,000..	1 056 896	.5
Commercially mixed formula feeds ..... farms..	37 852	1.1
$1,000..	803 838	.5
Seeds, bulbs, plants, and trees ..... farms..	36 850	1.0
$1,000..	167 388	.7
Commercial fertilizer ..... farms..	61 078	.8
$1,000..	345 941	.7
Agricultural chemicals ..... farms..	34 788	1.0
$1,000..	230 054	.8
Petroleum products ..... farms..	91 166	.6
$1,000..	208 015	.6
Electricity ..... farms..	61 727	.8
$1,000..	59 481	.7
Hired farm labor ..... farms..	25 156	1.3
$1,000..	253 888	.7
Contract labor ..... farms..	8 751	2.3
$1,000..	24 438	2.1
Repair and maintenance ..... farms..	76 985	.7
$1,000..	283 364	.8
Customwork, machine hire, and rental of machinery and equipment ..... farms..	28 696	1.2
$1,000..	80 440	1.5
Interest ..... farms..	45 114	.9
$1,000..	312 483	.9
Secured by real estate ..... farms..	33 122	1.1
$1,000..	211 279	1.1
Not secured by real estate ..... farms..	25 032	1.3
$1,000..	101 204	1.1
Cash rent ..... farms..	18 556	1.5
$1,000..	148 276	1.3
Property taxes ..... farms..	95 852	.6
$1,000..	101 922	.7
All other farm production expenses ..... farms..	87 172	.6
$1,000..	367 800	.6
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]		
All farms ..... number..	98 856	.6
$1,000..	1 097 695	.9
Average per farm ..... dollars..	11 104	1.1
Farms with net gains[2] ..... number..	48 020	.9
$1,000..	1 433 427	.6
Average net gain ..... dollars..	29 851	1.1
Farms with net losses ..... number..	50 836	.9
$1,000..	335 732	1.3
Average net loss ..... dollars..	6 604	1.6
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ..... farms..	33 842	.6
$1,000..	198 124	.6
Other farm-related income[1] ..... farms..	28 173	1.3
$1,000..	106 901	2.4
Customwork and other agricultural services ..... farms..	7 690	2.5
$1,000..	47 327	3.3
Gross cash rent or share payments ..... farms..	7 874	2.7
$1,000..	39 206	4.8
Forest products, excluding Christmas trees and maple products ..... farms..	2 285	5.0
$1,000..	8 443	7.8
Other farm-related income sources ..... farms..	16 463	1.6
$1,000..	11 925	5.4
COMMODITY CREDIT CORPORATION LOANS		
Total ..... farms..	2 522	.8
$1,000..	77 896	.5

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	87 092	.6
	acres	19 229 468	.5
Harvested cropland	farms	72 316	.6
	acres	12 449 272	.4
Farms by acres harvested:			
1 to 9 acres	farms	4 811	.8
	acres	24 576	.9
10 to 19 acres	farms	8 277	.8
	acres	110 245	.8
20 to 29 acres	farms	7 857	.7
	acres	177 489	.7
30 to 49 acres	farms	11 876	.7
	acres	436 174	.7
50 to 99 acres	farms	14 207	.7
	acres	961 541	.7
100 to 199 acres	farms	10 482	.8
	acres	1 407 985	.8
200 to 499 acres	farms	8 517	.8
	acres	2 591 078	.8
500 to 999 acres	farms	3 863	.6
	acres	2 656 375	.6
1,000 acres or more	farms	2 426	–
	acres	4 083 809	–
Cropland:			
Pasture or grazing only	farms	50 892	.6
	acres	5 247 558	.6
Other cropland	farms	18 779	.6
	acres	1 532 638	.7
Total woodland	farms	53 573	.6
	acres	4 575 445	.5
Pastureland and rangeland other than cropland and woodland pastured	farms	28 740	.6
	acres	3 715 717	.5
Land in house lots, ponds, roads, wasteland, etc.	farms	59 048	.6
	acres	1 305 558	.6
Irrigated land	farms	2 891	.6
	acres	881 924	.2
Acres irrigated:			
1 to 9 acres	farms	761	1.3
	acres	1 693	1.6
10 to 49 acres	farms	377	1.6
	acres	9 246	1.7
50 to 99 acres	farms	237	2.0
	acres	16 786	2.0
100 to 199 acres	farms	383	1.5
	acres	54 294	1.5
200 to 499 acres	farms	553	.9
	acres	177 855	.9
500 to 999 acres	farms	343	.4
	acres	234 509	.4
1,000 acres or more	farms	237	–
	acres	387 541	–
Harvested cropland irrigated	farms	2 796	.6
	acres	877 722	.2
Pasture and other land irrigated	farms	149	2.3
	acres	4 202	3.0
Land under Conservation Reserve or Wetlands Reserve Programs	farms	14 780	.7
	acres	1 476 609	.8
VALUE OF LAND AND BUILDINGS[1]			
Estimated market value of land and buildings	farms	98 856	.6
	$1,000	30 588 971	.7
Average per farm	dollars	309 430	.9
Average per acre	dollars	1 069	1.0
VALUE OF MACHINERY AND EQUIPMENT[1]			
Estimated market value of all machinery and equipment	farms	98 855	.6
	$1,000	4 058 126	.8
Average per farm	dollars	41 051	1.0
AGRICULTURAL CHEMICALS[1]			
Commercial fertilizer	farms	60 971	.8
	acres on which used	9 739 641	.7

Item		Total	Relative standard error of estimate (percent)
TENURE OF OPERATOR			
All operators	farms	98 860	.6
	acres	28 826 188	.5
Full owners	farms	65 924	.6
	acres	12 281 798	.6
Part owners	farms	25 743	.6
	acres	14 300 732	.4
Tenants	farms	7 193	.7
	acres	2 243 658	.6
OWNED AND RENTED LAND			
Land owned	farms	91 916	.6
	acres	20 706 903	.5
Owned land in farms	farms	91 667	.6
	acres	18 857 533	.5
Land rented or leased from others	farms	33 192	.6
	acres	10 060 132	.4
	landlords	75 685	.6
Rented or leased land in farms	farms	32 936	.6
	acres	9 968 655	.4
Land rented or leased to others	farms	12 496	.7
	acres	1 940 847	.9
OPERATOR CHARACTERISTICS			
Operators by place of residence:			
On farm operated		72 622	.6
Not on farm operated		19 385	.7
Not reported		6 853	.6
Operators by principal occupation:			
Farming		44 751	.6
Other		54 109	.6
Operators by days worked off farm:			
Any		57 118	.6
200 days or more		41 378	.6
Operators by sex:			
Male	farms	90 823	.6
	acres	27 280 499	.5
Female	farms	8 037	.7
	acres	1 545 689	.8
Average age of operator	years	54.7	.8
FARMS BY TYPE OF ORGANIZATION			
Individual or family (sole proprietorship)	farms	87 919	.6
	acres	22 877 627	.5
Partnership	farms	7 708	.7
	acres	3 544 417	.6
Corporation:			
Family held	farms	2 362	.9
	acres	2 040 401	.5
More than 10 stockholders	farms	48	3.4
10 or less stockholders	farms	2 314	.9
Other than family held	farms	181	2.5
	acres	126 331	1.7
More than 10 stockholders	farms	14	5.1
10 or less stockholders	farms	167	2.7
Other—cooperative, estate or trust, institutional, etc.	farms	690	1.4
	acres	237 412	1.5
HIRED FARM LABOR[1]			
Hired workers by days worked:			
150 days or more	farms	8 482	2.0
	workers	17 225	1.3
Less than 150 days	farms	22 858	1.4
	workers	54 220	1.7
INJURIES AND DEATHS			
Farm-related injuries:			
Operator and family members	farms	937	1.2
	number	1 059	1.2
Hired workers	farms	201	1.6
	number	290	1.3
Farm-related deaths:			
Operator and family members	farms	19	–
	number	21	–
Hired workers	farms	5	–
	number	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)
FARMS BY SIZE			
1 to 9 acres	farms	3 148	.9
	acres	11 772	1.0
10 to 49 acres	farms	16 714	.8
	acres	494 923	.8
50 to 69 acres	farms	6 124	.8
	acres	356 433	.8
70 to 99 acres	farms	10 964	.7
	acres	897 637	.7
100 to 139 acres	farms	10 623	.7
	acres	1 237 750	.7
140 to 179 acres	farms	8 635	.7
	acres	1 357 097	.7
180 to 219 acres	farms	6 361	.7
	acres	1 255 264	.7
220 to 259 acres	farms	5 145	.8
	acres	1 220 970	.8
260 to 499 acres	farms	15 792	.7
	acres	5 619 378	.7
500 to 999 acres	farms	9 854	.7
	acres	6 746 774	.7
1,000 to 1,999 acres	farms	4 183	.5
	acres	5 614 638	.4
2,000 acres or more	farms	1 317	–
	acres	4 013 552	–
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM			
Oilseed and grain farming (1111)	farms	24 511	.6
	acres	11 728 518	.5
Vegetable and melon farming (1112)	farms	307	2.0
	acres	48 100	1.6
Fruit and tree nut farming (1113)	farms	444	1.7
	acres	45 664	2.3
Greenhouse, nursery, and floriculture production (1114)	farms	838	1.3
	acres	68 603	1.8
Other crop farming (1119)	farms	10 079	.7
	acres	2 433 277	.6
Beef cattle ranching and farming (112111)	farms	49 947	.6
	acres	11 456 237	.6
Cattle feedlots (112112)	farms	2 024	.9
	acres	538 791	.9
Dairy cattle and milk production (11212)	farms	2 599	.8
	acres	912 521	.7
Hog and pig farming (1122)	farms	2 444	.7
	acres	850 671	.5
Poultry and egg production (1123)	farms	1 162	.7
	acres	225 299	.7
Sheep and goat farming (1124)	farms	646	1.5
	acres	53 886	2.1
Animal aquaculture and other animal production (1125, 1129)	farms	3 859	.9
	acres	464 621	1.0
LIVESTOCK			
Cattle and calves inventory	farms	67 198	.6
	number	4 312 716	.5
Beef cows	farms	57 935	.6
	number	2 023 187	.6
Milk cows	farms	4 175	.7
	number	174 669	.6
LIVESTOCK—Con.			
Cattle and calves sold	farms	66 350	.6
	number	2 494 869	.5
	$1,000	1 130 653	.4
Hogs and pigs inventory	farms	5 419	.6
	number	3 546 972	.2
Hogs and pigs sold	farms	5 183	.6
	number	8 540 647	.2
	$1,000	843 264	.1
Sheep and lambs of all ages inventory	farms	1 984	.9
	number	76 956	1.3
Sheep and lambs sold	farms	1 792	1.0
	number	59 059	1.5
Horses and ponies inventory	farms	15 936	.6
	number	85 690	.8
Horses and ponies sold	farms	3 096	.8
	number	12 092	1.6
POULTRY			
Layers and pullets 13 weeks old and older inventory (see text)	farms	3 707	.8
	number	8 846 447	.6
Layers 20 weeks old and older	farms	3 559	.8
	number	7 175 652	.6
Broilers and other meat-type chickens sold	farms	451	.9
	number	202 970 912	.1
SELECTED CROPS HARVESTED			
Corn for grain or seed	farms	18 417	.6
	acres	2 477 027	.4
	bushels	274 381 159	.3
Corn for silage or green chop	farms	2 021	.8
	acres	76 404	.8
	tons, green	1 048 825	.8
Sorghum for grain or seed	farms	3 566	.7
	acres	311 511	.6
	bushels	26 886 487	.5
Wheat for grain	farms	12 394	.6
	acres	1 055 664	.4
	bushels	52 178 347	.4
Oats for grain	farms	1 254	1.1
	acres	23 339	1.2
	bushels	1 312 430	1.2
Rice	farms	418	1.1
	acres	117 595	.6
	cwt	6 261 457	.6
Cotton	farms	863	.7
	acres	388 725	.3
	bales	554 360	.2
Tobacco	farms	481	1.4
	acres	2 677	1.6
	pounds	6 430 795	1.6
Soybeans for beans	farms	24 201	.6
	acres	4 671 797	.4
	bushels	164 562 845	.4
Potatoes, excluding sweetpotatoes	farms	79	3.4
	acres	5 979	.1
	cwt	1 455 971	.1
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	57 483	.6
	acres	3 661 772	.6
	tons, dry	6 847 820	.6
Alfalfa hay	farms	11 089	.6
	acres	375 939	.7
	tons, dry	1 022 360	.6
Vegetables harvested for sale (see text)	farms	858	1.1
	acres	21 007	.7
Land in orchards	farms	1 004	1.2
	acres	16 525	1.9

[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..	43 878	.6
Land in farms ..... acres..	22 173 758	.5
Average size of farm ..... acres..	505	.8
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ..... farms..	43 878	.6
$1,000..	5 180 603	.3
Average per farm ..... dollars..	118 068	.7
Farms by value of sales:		
$10,000 to $19,999 ..... farms..	14 198	.7
$1,000..	199 415	.7
$20,000 to $24,999 ..... farms..	3 665	.9
$1,000..	81 483	.9
$25,000 to $39,999 ..... farms..	6 230	.9
$1,000..	195 891	.9
$40,000 to $49,999 ..... farms..	2 571	1.0
$1,000..	114 159	1.0
$50,000 to $99,999 ..... farms..	6 529	.9
$1,000..	462 351	.9
$100,000 to $249,999 ..... farms..	6 415	.6
$1,000..	1 009 359	.6
$250,000 to $499,999 ..... farms..	2 579	–
$1,000..	901 252	–
$500,000 or more ..... farms..	1 691	–
$1,000..	2 216 695	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops ..... farms..	29 347	.6
$1,000..	2 262 994	.3
Grains ..... farms..	22 772	.7
$1,000..	1 868 274	.3
Corn for grain ..... farms..	14 274	.6
$1,000..	607 678	.3
Wheat ..... farms..	11 021	.6
$1,000..	158 668	.4
Soybeans ..... farms..	20 595	.7
$1,000..	992 324	.4
Sorghum for grain ..... farms..	2 806	.8
$1,000..	52 258	.6
Barley ..... farms..	30	5.0
$1,000..	138	4.1
Oats ..... farms..	340	1.8
$1,000..	994	2.8
Other grains ..... farms..	536	.9
$1,000..	56 214	.5
Cotton and cottonseed ..... farms..	838	.7
$1,000..	174 855	.2
Tobacco ..... farms..	364	1.6
$1,000..	9 653	1.5
Hay, silage, and field seeds ..... farms..	11 187	.7
$1,000..	82 001	.6
Vegetables, sweet corn, and melons ..... farms..	547	1.3
$1,000..	18 089	.8
Fruits, nuts, and berries ..... farms..	302	1.9
$1,000..	12 691	1.0
Nursery and greenhouse crops ..... farms..	596	1.4
$1,000..	87 798	.4
Other crops ..... farms..	88	3.2
$1,000..	9 633	.4
Livestock, poultry, and their products ..... farms..	34 000	.6
$1,000..	2 917 609	.2
Poultry and poultry products ..... farms..	1 348	.7
$1,000..	752 458	.1
Dairy products ..... farms..	3 018	.8
$1,000..	295 451	.5
Cattle and calves ..... farms..	32 271	.6
$1,000..	997 220	.4
Hogs and pigs ..... farms..	4 156	.7
$1,000..	840 757	.1
Sheep, lambs, and wool ..... farms..	881	1.3
$1,000..	3 480	2.2
Other livestock and livestock products (see text) ..... farms..	1 514	1.0
$1,000..	28 242	1.0
Value of agricultural products sold directly to individuals for human consumption (see text) ..... farms..	1 198	1.1
$1,000..	6 584	1.5

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ..... farms..	43 868	.6
$1,000..	3 901 398	.4
Average per farm ..... dollars..	88 935	.7
Livestock and poultry purchased ..... farms..	17 619	1.4
$1,000..	549 857	.8
Feed for livestock and poultry ..... farms..	31 184	.9
$1,000..	1 021 974	.5
Commercially mixed formula feeds ..... farms..	20 108	1.3
$1,000..	788 503	.5
Seeds, bulbs, plants, and trees ..... farms..	27 021	.9
$1,000..	163 527	.8
Commercial fertilizer ..... farms..	35 815	.8
$1,000..	317 763	.8
Agricultural chemicals ..... farms..	25 002	1.0
$1,000..	224 040	.9
Petroleum products ..... farms..	43 107	.6
$1,000..	181 363	.6
Electricity ..... farms..	34 960	.8
$1,000..	51 964	.8
Hired farm labor ..... farms..	17 115	1.4
$1,000..	248 827	.7
Contract labor ..... farms..	5 817	2.6
$1,000..	21 855	2.2
Repair and maintenance ..... farms..	39 368	.7
$1,000..	239 857	.8
Customwork, machine hire, and rental of machinery and equipment ..... farms..	17 734	1.4
$1,000..	72 321	1.6
Interest ..... farms..	26 191	1.0
$1,000..	261 168	.9
Secured by real estate ..... farms..	18 358	1.3
$1,000..	167 497	1.2
Not secured by real estate ..... farms..	17 150	1.4
$1,000..	93 671	1.2
Cash rent ..... farms..	14 071	1.6
$1,000..	143 801	1.3
Property taxes ..... farms..	42 514	.6
$1,000..	68 957	.8
All other farm production expenses ..... farms..	43 863	.6
$1,000..	334 125	.7
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]		
All farms ..... number..	43 871	.6
$1,000..	1 224 388	.8
Average per farm ..... dollars..	27 909	1.0
Farms with net gains[2] ..... number..	31 733	.9
$1,000..	1 401 310	.6
Average net gain ..... dollars..	44 159	1.1
Farms with net losses ..... number..	12 138	1.8
$1,000..	176 922	1.9
Average net loss ..... dollars..	14 576	2.7
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ..... farms..	21 116	.7
$1,000..	147 791	.5
Other farm-related income[1] ..... farms..	17 287	1.4
$1,000..	81 314	2.8
Customwork and other agricultural services ..... farms..	5 531	2.8
$1,000..	41 422	3.6
Gross cash rent or share payments ..... farms..	3 007	4.1
$1,000..	23 683	6.6
Forest products, excluding Christmas trees and maple products ..... farms..	1 125	6.8
$1,000..	5 642	10.2
Other farm-related income sources ..... farms..	12 330	1.7
$1,000..	10 566	5.8
COMMODITY CREDIT CORPORATION LOANS		
Total ..... farms..	2 381	.8
$1,000..	77 759	.5

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	41 569	.6
	acres	15 820 401	.5
Harvested cropland	farms	39 219	.6
	acres	11 323 411	.4
Cropland:			
Pasture or grazing only	farms	24 202	.7
	acres	3 656 938	.7
Total woodland	farms	23 962	.6
	acres	2 734 864	.6
Pastureland and rangeland other than cropland and woodland pastured	farms	13 325	.6
	acres	2 764 560	.5
Land in house lots, ponds, roads, wasteland, etc.	farms	26 913	.6
	acres	853 933	.6
Irrigated land	farms	2 403	.6
	acres	877 560	.2
Harvested cropland irrigated	farms	2 357	.6
	acres	874 203	.2
Pasture and other land irrigated	farms	88	2.5
	acres	3 357	3.1
Land under Conservation Reserve or Wetlands Reserve Programs	farms	6 350	.8
	acres	747 390	.8
VALUE OF LAND AND BUILDINGS[1]			
Estimated market value of land and buildings	farms	43 871	.6
	$1,000	22 490 160	.7
Average per farm	dollars	512 643	1.0
Average per acre	dollars	1 024	1.0
VALUE OF MACHINERY AND EQUIPMENT[1]			
Estimated market value of all machinery and equipment	farms	43 870	.6
	$1,000	3 038 138	.9
Average per farm	dollars	69 253	1.1
AGRICULTURAL CHEMICALS[1]			
Commercial fertilizer	farms	35 773	.8
	acres on which used	8 743 933	.8
TENURE OF OPERATOR			
All operators	farms	43 878	.6
	acres	22 173 758	.5
Full owners	farms	21 615	.7
	acres	7 250 734	.6
Part owners	farms	18 227	.6
	acres	13 010 668	.4
Tenants	farms	4 036	.8
	acres	1 912 356	.6
OWNED AND RENTED LAND			
Land owned	farms	40 014	.6
	acres	14 225 283	.5
Owned land in farms	farms	39 842	.6
	acres	13 209 309	.5
Land rented or leased from others	farms	22 387	.6
	acres	9 028 023	.4
	landlords	59 382	.6
Rented or leased land in farms	farms	22 263	.6
	acres	8 964 449	.4
Land rented or leased to others	farms	5 270	.8
	acres	1 079 548	1.1
OPERATOR CHARACTERISTICS			
Operators by place of residence:			
On farm operated		32 903	.6
Not on farm operated		8 068	.8
Not reported		2 907	.6
Operators by principal occupation:			
Farming		29 083	.6
Other		14 795	.7
Operators by days worked off farm:			
Any		20 307	.7
200 days or more		12 408	.7
Operators by sex:			
Male		41 473	.6
Female		2 405	.9
Average age of operator	years	54.7	.9

Item		Total	Relative standard error of estimate (percent)
FARMS BY TYPE OF ORGANIZATION			
Individual or family (sole proprietorship)	farms	37 041	.6
	acres	16 924 443	.5
Partnership	farms	4 545	.8
	acres	3 044 809	.5
Corporation:			
Family held	farms	1 862	.8
	acres	1 923 980	.5
More than 10 stockholders	farms	43	3.3
10 or less stockholders	farms	1 819	.9
Other than family held	farms	112	2.9
	acres	109 385	1.7
More than 10 stockholders	farms	13	4.9
10 or less stockholders	farms	99	3.2
Other—cooperative, estate or trust, institutional, etc.	farms	318	1.9
	acres	171 141	1.7
HIRED FARM LABOR[1]			
Hired workers by days worked:			
150 days or more	farms	6 770	2.0
	workers	15 449	1.3
Less than 150 days	farms	14 965	1.5
	workers	39 106	1.9
INJURIES AND DEATHS			
Farm-related injuries:			
Operator and family members	farms	559	1.4
	number	619	1.4
Hired workers	farms	174	1.5
	number	257	1.2
Farm-related deaths:			
Operator and family members	farms	12	–
	number	(D)	(D)
Hired workers	farms	3	–
	number	(D)	(D)
FARMS BY SIZE			
1 to 9 acres		707	1.4
10 to 49 acres		1 552	1.0
50 to 69 acres		926	1.2
70 to 99 acres		2 358	.9
100 to 139 acres		3 226	.8
140 to 179 acres		3 485	.9
180 to 219 acres		3 091	.9
220 to 259 acres		2 917	.9
260 to 499 acres		11 424	.8
500 to 999 acres		8 857	.7
1,000 to 1,999 acres		4 037	.5
2,000 acres or more		1 298	–
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM			
Oilseed and grain farming (1111)		15 822	.7
Vegetable and melon farming (1112)		132	2.8
Fruit and tree nut farming (1113)		100	3.1
Greenhouse, nursery, and floriculture production (1114)		470	1.5
Other crop farming (1119)		2 858	.8
Beef cattle ranching and farming (112111)		17 448	.7
Cattle feedlots (112112)		946	1.1
Dairy cattle and milk production (11212)		2 546	.8
Hog and pig farming (1122)		1 899	.8
Poultry and egg production (1123)		918	.5
Sheep and goat farming (1124)		62	4.1
Animal aquaculture and other animal production (1125, 1129)		677	1.3
LIVESTOCK			
Cattle and calves inventory	farms	31 496	.6
	number	3 426 746	.5
Beef cows	farms	26 807	.7
	number	1 538 003	.6
Milk cows	farms	3 291	.8
	number	172 137	.6
Cattle and calves sold	farms	32 271	.6
	number	2 118 838	.5
	$1,000	997 220	.4
Hogs and pigs inventory	farms	4 089	.7
	number	3 525 056	.2
Hogs and pigs sold	farms	4 156	.7
	number	8 511 171	.2
	$1,000	840 757	.1
Sheep and lambs of all ages inventory	farms	904	1.3
	number	49 299	1.7
Sheep and lambs sold	farms	857	1.3
	number	40 936	2.0
Horses and ponies inventory	farms	5 571	.7
	number	35 461	1.3
Horses and ponies sold	farms	1 163	1.1
	number	7 569	2.5

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	1 194	1.1
	number	8 785 761	.6
Layers 20 weeks old and older	farms	1 119	1.1
	number	7 123 545	.6
Broilers and other meat-type chickens sold	farms	379	.8
	number	202 960 725	.1
SELECTED CROPS HARVESTED			
Corn for grain or seed	farms	16 389	.6
	acres	2 445 607	.4
	bushels	272 130 782	.3
Corn for silage or green chop	farms	1 879	.8
	acres	74 250	.8
	tons, green	1 023 288	.8
Sorghum for grain or seed	farms	3 288	.7
	acres	305 683	.5
	bushels	26 514 083	.5
Wheat for grain	farms	11 081	.6
	acres	1 032 538	.4
	bushels	51 293 085	.4
SELECTED CROPS HARVESTED—Con.			
Oats for grain	farms	1 078	1.1
	acres	21 538	1.3
	bushels	1 233 729	1.2
Rice	farms	415	1.0
	acres	117 474	.6
	cwt	6 257 497	.5
Cotton	farms	838	.7
	acres	388 273	.3
	bales	553 801	.2
Tobacco	farms	364	1.6
	acres	2 509	1.7
	pounds	6 104 019	1.7
Soybeans for beans	farms	20 605	.7
	acres	4 585 140	.4
	bushels	162 253 338	.4
Potatoes, excluding sweetpotatoes	farms	54	4.0
	acres	5 967	.1
	cwt	1 454 032	.1
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	28 745	.6
	acres	2 698 290	.6
	tons, dry	5 370 012	.6
Alfalfa hay	farms	7 601	.7
	acres	311 034	.7
	tons, dry	889 505	.7
Vegetables harvested for sale (see text)	farms	547	1.3
	acres	20 335	.7
Land in orchards	farms	346	1.8
	acres	11 642	2.2

[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	.8	1.5	–7.1	1.7
Land in farms ..... acres	1.0	1.4	–1.5	1.4
Average size of farm ..... acres	.3	2.1	5.9	2.5
Estimated market value of land and buildings[1]:				
Average per farm ..... dollars	37.5	2.9	44.4	3.5
Average per acre ..... dollars	38.1	2.9	37.3	3.0
Estimated market value of all machinery and equipment[1]:				
Average per farm ..... dollars	13.5	2.5	20.6	3.0
Farms by size:				
1 to 9 acres	–19.8	1.2	–33.5	1.7
10 to 49 acres	3.1	1.3	–19.1	1.7
50 to 179 acres	4.9	1.0	–7.6	1.2
180 to 499 acres	–1.0	1.4	–6.9	1.5
500 to 999 acres	–4.3	1.8	–5.8	1.8
1,000 to 1,999 acres	–2.5	.9	–3.3	.9
2,000 acres or more	15.8	–	16.5	–
Total cropland ..... farms	.5	1.5	–6.2	1.8
acres	–	1.4	–1.7	1.3
Harvested cropland ..... farms	–2.6	1.5	–5.6	1.8
acres	2.4	1.2	2.3	1.2
Irrigated land ..... farms	–.8	1.2	1.4	1.3
acres	24.4	.6	24.6	.6
Market value of agricultural products sold $1,000	24.7	1.1	25.9	1.1
Average per farm ..... dollars	23.8	2.1	35.5	2.8
Crops, including nursery and greenhouse crops $1,000	23.9	1.1	24.6	1.1
Livestock, poultry, and their products $1,000	25.4	1.1	26.9	1.1
Farms by value of sales:				
Less than $2,500	21.3	1.3	(X)	(X)
$2,500 to $4,999	.7	1.4	(X)	(X)
$5,000 to $9,999	–2.4	1.6	(X)	(X)
$10,000 to $24,999	–6.0	1.6	–6.0	1.6
$25,000 to $49,999	–12.8	1.7	–12.8	1.7
$50,000 to $99,999	–13.2	2.1	–13.2	2.1
$100,000 to $249,999	–11.0	1.0	–11.0	1.0
$250,000 to $499,999	8.9	–	8.9	–
$500,000 or more	64.7	–	64.7	–
Total farm production expenses[1] $1,000	24.1	1.3	25.0	1.3
Average per farm ..... dollars	23.2	2.2	34.6	2.8
Net cash return from agricultural sales for the farm unit (see text)[1] ..... farms	.8	1.5	–7.2	1.8
$1,000	23.4	1.8	25.8	1.7
Average per farm ..... dollars	22.5	2.6	35.5	3.2
Operators by principal occupation:				
Farming	–9.1	1.5	–11.7	1.6
Other	10.8	1.6	3.5	2.2
Operators by days worked off farm:				
Any	7.3	1.6	.1	2.1
200 days or more	9.5	1.6	2.4	2.2
Livestock and poultry:				
Cattle and calves inventory ..... farms	–1.8	1.5	–6.8	1.8
number	3.5	1.5	2.5	1.6
Beef cows ..... farms	–.2	1.5	–4.1	1.9
number	7.8	1.8	6.7	1.8
Milk cows ..... farms	–25.8	1.3	–27.7	1.4
number	–19.1	1.0	–19.4	1.0
Cattle and calves sold ..... farms	–1.0	1.5	–6.4	1.8
number	6.2	1.4	4.7	1.4
Hogs and pigs inventory ..... farms	–54.4	.7	–53.4	.8
number	22.0	1.0	24.5	1.0
Hogs and pigs sold ..... farms	–57.3	.7	–54.6	.8
number	54.0	1.3	57.3	1.3
Sheep and lambs inventory ..... farms	–20.8	1.4	–26.6	1.7
number	–30.9	1.5	–34.7	1.8
Layers and pullets 13 weeks old and older inventory (see text) ..... farms	–18.4	1.2	–22.7	1.7
number	6.0	.8	6.3	.7
Broilers and other meat-type chickens sold ..... farms	32.3	1.9	34.4	1.7
number	144.6	.4	144.6	.4
Selected crops harvested:				
Corn for grain or seed ..... farms	–13.9	1.5	–11.2	1.6
acres	1.3	1.0	1.9	1.0
bushels	–11.1	.8	–10.7	.8
Corn for silage or green chop ..... farms	–15.3	1.3	–16.3	1.3
acres	–6.3	1.2	–6.6	1.2
tons, green	–5.9	1.2	–6.1	1.2
Sorghum for grain or seed ..... farms	–49.0	.9	–47.1	1.0
acres	–46.9	.7	–46.4	.7
bushels	–49.3	.6	–49.0	.6
Wheat for grain ..... farms	–27.0	1.2	–24.0	1.3
acres	–20.0	.9	–19.0	.9
bushels	–10.3	.9	–9.4	.9
Cotton ..... farms	–17.4	1.2	–16.1	1.2
acres	24.1	.7	24.2	.6
bales	10.8	.5	10.8	.5
Soybeans for beans ..... farms	–9.0	1.6	–6.4	1.7
acres	11.0	1.2	12.0	1.2
bushels	9.4	1.1	10.3	1.1
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ..... farms	–.5	1.5	–5.6	1.8
acres	5.5	1.7	3.4	1.7
tons, dry	12.1	1.8	9.6	1.8

[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)
Missouri	**98 860**	**.6**	**28 826 188**	**.5**	**292**	**.7**	**309 430**	**.9**	**4 058 126**	**.8**
Adair	861	.7	268 101	1.2	311	1.4	210 619	6.7	27 533	8.3
Andrew	820	.7	226 725	.9	276	1.1	320 943	7.5	38 692	4.3
Atchison	471	.6	294 149	.8	625	1.0	707 811	4.1	55 212	5.2
Audrain	1 005	.5	382 474	.6	381	.8	480 595	2.7	72 951	5.0
Barry	1 598	.6	285 169	.9	178	1.1	217 455	4.0	46 155	6.5
Barton	896	.6	335 182	.9	374	1.2	309 009	4.0	46 470	5.7
Bates	1 250	.6	444 769	.9	356	1.1	341 087	4.1	55 447	4.5
Benton	804	.6	232 412	1.0	289	1.1	248 543	5.7	31 105	9.5
Bollinger	832	.7	209 202	1.1	251	1.3	221 586	5.1	20 872	6.9
Boone	1 227	.6	249 849	1.0	204	1.1	331 186	6.2	44 755	8.4
Buchanan	776	.6	181 502	1.1	234	1.3	303 222	4.3	43 473	8.5
Butler	678	.8	255 067	.9	376	1.1	440 967	3.0	54 348	6.4
Caldwell	845	.7	227 016	1.2	269	1.4	216 847	6.3	24 351	6.9
Callaway	1 338	.5	330 471	.8	247	.9	309 119	4.1	52 501	8.5
Camden	584	.6	172 273	1.1	295	1.3	227 484	8.1	13 269	9.4
Cape Girardeau	1 161	.5	260 931	.7	225	.8	325 367	5.7	57 104	5.8
Carroll	952	.5	395 657	.7	416	.9	391 768	3.7	61 726	6.0
Carter	202	.8	62 899	2.3	311	2.5	243 943	7.4	5 705	8.7
Cass	1 519	.6	310 479	.9	204	1.1	319 686	5.3	54 369	5.5
Cedar	865	.6	203 685	1.1	235	1.2	204 465	7.2	20 432	7.3
Chariton	1 071	.6	414 379	.7	387	.9	368 159	4.2	62 868	5.6
Christian	1 209	.6	202 863	1.1	168	1.3	303 948	6.6	30 896	7.7
Clark	634	.7	248 397	.9	392	1.1	324 507	4.8	33 159	4.1
Clay	634	.6	134 156	1.4	212	1.5	420 759	9.7	26 459	16.3
Clinton	768	.6	216 483	1.0	282	1.2	356 121	6.7	30 121	7.5
Cole	1 045	.6	179 018	.9	171	1.1	184 839	6.7	27 375	10.7
Cooper	879	.6	301 692	.9	343	1.1	332 404	4.3	48 798	6.1
Crawford	691	.5	182 123	1.2	264	1.4	230 204	9.3	13 986	6.9
Dade	808	.6	249 096	1.1	308	1.2	283 272	6.7	27 703	9.1
Dallas	1 130	.6	221 713	1.0	196	1.2	201 929	4.9	23 956	6.9
Daviess	886	.7	301 788	1.1	341	1.3	262 594	4.8	34 793	6.3
De Kalb	769	.7	215 215	1.2	280	1.4	251 576	8.3	27 215	6.4
Dent	727	.6	221 967	1.0	305	1.2	249 025	7.8	15 745	7.7
Douglas	1 206	.6	301 564	1.0	250	1.2	199 868	6.1	19 970	5.9
Dunklin	473	.6	313 147	.4	662	.7	969 904	2.0	70 399	3.8
Franklin	1 592	.5	289 608	.8	182	.9	300 562	5.7	48 627	5.0
Gasconade	762	.5	187 925	1.0	247	1.1	263 540	7.8	21 807	7.2
Gentry	667	.8	248 593	1.1	373	1.3	282 866	8.3	30 799	10.2
Greene	1 997	.6	277 043	.9	139	1.1	310 241	5.3	46 360	4.5
Grundy	667	.7	221 866	1.0	333	1.2	227 086	4.5	27 741	8.7
Harrison	901	.7	387 360	.9	430	1.1	274 722	4.5	33 088	4.5
Henry	938	.6	315 460	1.0	336	1.2	267 360	5.2	34 096	5.2
Hickory	521	.5	171 780	1.2	330	1.3	229 443	5.7	14 304	8.7
Holt	465	.7	231 040	.8	497	1.1	455 239	4.4	37 192	4.7
Howard	709	.6	242 364	1.0	342	1.2	353 724	6.7	26 061	6.1
Howell	1 637	.6	386 796	.8	236	1.0	237 987	4.5	33 353	4.5
Iron	274	.6	62 537	1.5	228	1.7	207 724	11.4	4 285	9.8
Jackson	765	.7	150 581	1.2	197	1.4	376 807	5.9	28 274	8.0
Jasper	1 355	.7	271 040	1.0	200	1.2	229 528	4.4	39 609	5.2
Jefferson	659	.6	109 430	1.1	166	1.2	289 547	13.2	13 883	11.2
Johnson	1 626	.6	399 600	.8	246	1.0	274 571	3.5	64 247	4.6
Knox	602	.7	280 699	1.0	466	1.2	381 996	4.0	38 719	6.6
Laclede	1 300	.6	317 051	.9	244	1.1	217 951	5.6	31 697	5.5
Lafayette	1 215	.5	349 265	.7	287	.8	389 333	3.5	67 783	5.9
Lawrence	1 733	.5	337 988	.8	195	.9	248 085	4.4	55 577	5.3
Lewis	719	.6	268 595	.9	374	1.1	328 163	5.1	41 407	5.8
Lincoln	989	.5	262 362	.8	265	1.0	438 117	5.4	52 952	7.1
Linn	933	.6	346 184	.8	371	1.0	233 393	4.5	30 592	5.4
Livingston	738	.7	272 817	.9	370	1.1	325 332	7.4	38 271	6.0
McDonald	1 078	.6	231 648	.9	215	1.1	250 718	5.6	28 820	7.6
Macon	1 155	.6	380 527	.9	329	1.1	216 396	4.1	43 687	7.3
Madison	386	.7	110 092	1.5	285	1.7	186 910	7.7	9 901	14.0
Maries	817	.5	228 892	1.0	280	1.1	231 218	6.8	29 401	6.4
Marion	695	.6	221 353	1.0	318	1.2	339 432	5.9	36 904	12.6
Mercer	539	.7	229 598	1.2	426	1.4	351 149	4.0	19 388	5.9
Miller	1 067	.4	254 520	.8	239	.9	212 684	5.2	29 515	8.4
Mississippi	267	.6	263 623	.4	987	.7	1 596 107	2.6	53 526	2.9
Moniteau	1 024	.5	222 758	.8	218	.9	194 536	4.4	37 755	8.1
Monroe	886	.7	328 200	.9	370	1.2	342 307	5.5	49 304	11.9
Montgomery	765	.5	247 776	.9	324	1.1	396 918	6.3	46 605	9.9
Morgan	869	.5	202 467	.9	233	1.0	220 750	6.0	27 855	5.6
New Madrid	429	.5	385 766	.3	899	.6	1 304 499	1.9	86 990	2.3
Newton	1 622	.5	255 605	1.0	158	1.1	231 705	4.8	39 049	4.1
Nodaway	1 257	.6	491 992	.8	391	1.0	326 502	3.9	62 641	5.7
Oregon	798	.6	248 024	1.1	311	1.3	253 121	7.8	24 013	9.2
Osage	1 147	.5	304 823	.8	266	.9	237 859	7.1	35 375	6.2
Ozark	781	.6	252 722	1.0	324	1.1	247 352	6.7	21 322	7.1
Pemiscot	306	.6	295 743	.4	966	.7	1 424 483	4.4	60 741	4.5
Perry	857	.5	201 396	.9	235	1.0	252 942	7.3	39 037	8.4
Pettis	1 249	.6	366 132	.8	293	1.0	284 745	3.9	74 327	6.4
Phelps	758	.6	196 197	1.2	259	1.3	219 877	7.9	16 250	7.7
Pike	944	.6	316 743	.9	336	1.1	396 769	3.7	47 791	7.5
Platte	714	.6	180 455	.9	253	1.1	435 491	7.5	35 468	6.1
Polk	1 575	.5	347 688	.8	221	.9	248 327	5.6	40 400	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	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)
Pulaski	539	.7	139 681	1.5	259	1.6	183 406	6.4	15 036	12.1
Putnam	615	.6	261 360	1.0	425	1.1	242 445	11.8	23 033	9.2
Ralls	550	.5	231 817	1.0	421	1.1	468 909	5.1	38 632	7.0
Randolph	801	.6	229 860	1.1	287	1.3	235 870	4.6	28 043	7.0
Ray	1 075	.6	274 349	1.0	255	1.1	296 948	4.9	47 859	7.0
Reynolds	302	.5	113 214	1.2	375	1.3	229 052	5.0	5 682	7.4
Ripley	472	.7	151 963	1.3	322	1.5	213 516	8.9	13 317	8.6
St. Charles	680	.4	187 097	.7	275	.8	727 561	6.6	42 402	6.2
St. Clair	778	.6	262 963	1.2	338	1.4	239 781	6.0	25 094	5.8
Ste. Genevieve	631	.5	168 121	1.1	266	1.2	292 390	12.1	17 664	6.8
St. Francois	649	.7	112 842	1.5	174	1.7	263 416	10.5	21 690	10.3
St. Louis	291	.7	45 019	2.1	155	2.2	417 638	11.7	8 928	6.1
Saline	936	.6	429 631	.6	459	.9	543 031	2.4	69 096	4.1
Schuyler	493	.8	159 543	1.4	324	1.6	211 651	10.5	16 283	11.7
Scotland	600	.7	224 606	1.2	374	1.4	287 632	5.6	35 823	9.5
Scott	541	.6	240 739	.6	445	.8	578 256	2.4	54 736	2.8
Shannon	470	.6	133 320	1.5	284	1.7	157 583	10.1	11 017	9.0
Shelby	644	.6	272 116	.8	423	1.0	400 199	5.0	41 968	5.7
Stoddard	941	.5	448 634	.4	477	.7	769 286	2.0	107 710	3.1
Stone	684	.7	135 993	1.4	199	1.6	218 859	8.1	13 993	8.0
Sullivan	791	.6	325 670	1.0	412	1.1	298 841	7.3	27 872	5.0
Taney	459	.7	158 421	1.2	345	1.4	389 430	12.1	17 309	19.9
Texas	1 478	.6	429 886	.8	291	1.0	204 501	4.4	34 786	6.9
Vernon	1 265	.6	388 549	.9	307	1.1	259 665	6.5	41 069	5.4
Warren	555	.4	132 520	1.3	239	1.4	351 005	7.5	20 210	6.2
Washington	499	.6	126 905	1.4	254	1.5	218 959	9.9	10 053	11.1
Wayne	380	.8	97 664	1.9	257	2.1	181 869	8.2	11 039	11.4
Webster	1 691	.6	296 825	.9	176	1.1	209 647	4.7	38 968	5.8
Worth	356	.6	150 155	1.2	422	1.4	253 175	5.7	10 375	8.8
Wright	1 331	.6	312 388	1.0	235	1.1	200 196	5.7	31 742	6.6

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)
Missouri	**41 051**	**1.0**	**5 367 813**	**.3**	**54 297**	**.6**	**98 852**	**.6**	**4 214 996**	**.4**
Adair	31 978	8.3	21 804	1.3	25 324	1.5	861	.9	16 275	3.9
Andrew	47 185	4.4	40 440	.9	49 318	1.1	820	.7	28 663	3.9
Atchison	117 224	5.3	62 548	.6	132 798	.9	471	.8	41 433	2.3
Audrain	72 588	5.0	81 984	.5	81 576	.7	1 005	.6	63 252	1.9
Barry	28 865	6.6	151 993	.2	95 115	.6	1 599	.7	144 756	.8
Barton	51 864	5.8	64 242	.6	71 699	.9	896	.8	48 145	2.5
Bates	44 393	4.6	65 806	.7	52 644	.9	1 249	.7	46 358	1.8
Benton	38 736	9.6	30 667	.8	38 143	1.0	803	.7	25 626	3.8
Bollinger	25 057	7.0	19 060	1.2	22 908	1.4	833	.8	15 647	3.5
Boone	36 505	8.4	40 103	.7	32 684	.9	1 226	.7	35 073	2.2
Buchanan	56 022	8.5	32 194	1.1	41 487	1.2	776	.8	21 230	4.3
Butler	80 159	6.5	59 893	.6	88 338	1.0	678	.9	43 283	2.7
Caldwell	28 852	6.9	25 546	1.1	30 232	1.3	844	.8	19 338	4.5
Callaway	39 239	8.5	54 401	.6	40 658	.8	1 338	.6	44 722	2.3
Camden	22 760	9.4	15 614	1.1	26 736	1.3	583	.9	12 858	5.7
Cape Girardeau	49 143	5.8	46 225	.7	39 814	.8	1 162	.6	38 716	3.0
Carroll	64 838	6.1	58 965	.6	61 938	.8	952	.6	42 163	2.3
Carter	28 240	8.9	3 069	3.6	15 193	3.7	202	1.6	3 232	9.8
Cass	35 816	5.6	55 600	.6	36 603	.8	1 518	.7	43 642	2.5
Cedar	23 620	7.3	20 870	.8	24 127	1.0	865	.8	18 103	4.9
Chariton	58 700	5.6	85 215	.5	79 565	.8	1 071	.7	62 553	2.2
Christian	25 555	7.7	25 739	1.0	21 290	1.2	1 209	.7	24 553	5.0
Clark	52 301	4.2	35 554	.9	56 079	1.1	634	.9	26 854	3.3
Clay	41 667	16.3	26 319	.7	41 512	.9	635	.8	23 246	7.0
Clinton	39 220	7.5	34 565	.8	45 007	1.0	768	.8	29 454	4.2
Cole	26 221	10.7	26 464	.7	25 324	.9	1 044	.7	22 306	2.8
Cooper	55 515	6.2	52 827	.8	60 099	1.0	879	.8	41 388	3.8
Crawford	20 240	6.9	8 727	1.4	12 630	1.5	691	.8	8 648	7.3
Dade	34 285	9.2	30 609	1.0	37 882	1.1	808	.8	23 309	4.9
Dallas	21 200	6.9	28 355	1.1	25 093	1.2	1 130	.7	26 591	3.9
Daviess	39 314	6.4	57 180	.7	64 538	1.0	885	.8	40 144	2.4
De Kalb	35 437	6.5	29 270	1.1	38 063	1.3	768	.9	19 756	6.8
Dent	21 657	7.7	9 871	1.2	13 578	1.4	727	.7	11 176	4.7
Douglas	16 559	6.0	29 531	1.2	24 487	1.3	1 206	.7	24 648	4.6
Dunklin	148 834	3.9	110 022	.3	232 604	.6	473	.7	70 949	1.3
Franklin	30 545	5.0	46 634	.6	29 293	.8	1 592	.6	38 327	2.1
Gasconade	28 655	7.2	15 186	1.2	19 929	1.3	761	.7	12 307	7.3
Gentry	46 175	10.3	54 100	.6	81 109	1.0	667	.8	37 137	4.4
Greene	23 226	4.6	33 414	.9	16 732	1.0	1 996	.7	33 039	2.9

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	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)
Grundy	41 467	8.8	28 852	1.1	43 256	1.2	669	.8	21 599	3.8
Harrison	36 764	4.6	44 394	.8	49 272	1.0	900	.8	31 566	3.0
Henry	36 350	5.2	42 642	.8	45 461	1.0	938	.7	35 611	2.8
Hickory	27 455	8.7	14 580	1.0	27 985	1.2	521	.7	12 969	6.8
Holt	79 983	4.8	53 269	.7	114 557	1.0	465	.8	34 519	2.6
Howard	36 809	6.1	31 428	1.0	44 328	1.2	708	.7	25 458	4.2
Howell	20 374	4.6	50 152	.6	30 637	.9	1 637	.7	46 375	2.2
Iron	15 637	9.9	6 378	1.0	23 277	1.1	274	1.2	6 009	4.3
Jackson	36 863	8.0	27 586	.9	36 060	1.1	767	.8	20 479	5.0
Jasper	29 253	5.2	76 421	.5	56 399	.8	1 353	.8	64 338	1.6
Jefferson	21 067	11.2	8 966	1.1	13 606	1.2	659	.8	7 379	5.7
Johnson	39 512	4.6	53 791	.7	33 082	.9	1 626	.7	46 786	1.9
Knox	64 317	6.6	36 610	.9	60 814	1.1	602	.9	32 447	2.8
Laclede	24 383	5.5	32 154	1.0	24 734	1.2	1 300	.7	26 557	3.7
Lafayette	55 834	5.9	107 890	.4	88 799	.7	1 214	.7	78 390	1.0
Lawrence	32 088	5.3	121 838	.3	70 304	.6	1 732	.6	101 082	1.2
Lewis	57 590	5.9	40 639	.8	56 521	1.0	719	.7	32 015	3.4
Lincoln	53 487	7.2	52 365	.6	52 947	.8	990	.7	39 132	2.1
Linn	32 824	5.5	48 596	.6	52 086	.9	932	.8	38 052	2.4
Livingston	51 857	6.1	37 179	.9	50 378	1.1	738	.9	24 171	3.1
McDonald	26 735	7.6	155 015	.2	143 799	.6	1 078	.7	138 274	1.2
Macon	37 824	7.3	34 916	1.0	30 230	1.2	1 155	.7	26 926	3.6
Madison	25 584	14.0	6 565	1.7	17 007	1.9	387	.9	5 654	5.4
Maries	36 031	6.5	19 246	1.0	23 557	1.1	816	.7	18 056	5.7
Marion	53 176	12.6	39 955	.9	57 489	1.0	694	.7	30 274	4.4
Mercer	36 038	6.0	122 780	.2	227 791	.7	538	.8	89 936	1.0
Miller	27 662	8.5	75 961	.3	71 191	.5	1 067	.6	69 203	1.1
Mississippi	200 473	3.0	79 847	.3	299 051	.7	267	.9	50 361	1.8
Moniteau	36 870	8.1	52 868	.4	51 629	.6	1 024	.6	45 951	1.9
Monroe	55 648	11.9	55 533	.7	62 679	1.0	886	.9	43 081	3.4
Montgomery	60 922	10.0	36 604	.9	47 849	1.0	765	.7	31 833	5.0
Morgan	32 055	5.7	91 101	.3	104 835	.5	869	.6	84 926	1.6
New Madrid	202 775	2.4	109 408	.3	255 031	.6	429	.7	69 898	1.9
Newton	24 075	4.2	123 381	.3	76 067	.6	1 622	.6	121 998	1.0
Nodaway	49 833	5.7	83 850	.7	66 707	.9	1 257	.7	62 088	2.1
Oregon	30 053	9.2	20 325	1.1	25 470	1.2	799	.8	18 324	5.7
Osage	30 841	6.2	51 424	.6	44 834	.8	1 147	.6	46 791	3.7
Ozark	27 301	7.1	21 034	1.1	26 932	1.3	781	.7	20 343	4.4
Pemiscot	199 150	4.6	85 856	.3	280 575	.6	306	1.0	51 467	2.1
Perry	45 498	8.4	32 213	.9	37 589	1.0	858	.7	26 611	4.3
Pettis	59 509	6.5	104 015	.4	83 278	.7	1 249	.7	86 165	1.3
Phelps	21 467	7.7	9 254	1.7	12 208	1.8	757	.9	9 522	9.1
Pike	50 573	7.5	54 572	.7	57 810	1.0	945	.8	40 041	2.5
Platte	49 675	6.1	35 776	.8	50 106	1.0	714	.8	21 781	3.1
Polk	25 635	5.3	49 516	.7	31 439	.8	1 576	.6	43 909	1.8
Pulaski	27 948	12.2	11 952	1.2	22 174	1.4	538	.9	10 652	5.7
Putnam	37 452	9.2	26 900	1.0	43 740	1.2	615	.8	22 463	4.8
Ralls	70 239	7.1	38 747	.8	70 450	1.0	550	.8	26 333	3.8
Randolph	35 010	7.1	26 725	.9	33 364	1.1	801	.8	21 803	4.0
Ray	44 561	7.0	39 060	.8	36 335	1.0	1 074	.7	27 774	2.9
Reynolds	18 753	7.5	3 105	1.5	10 282	1.6	303	1.3	3 374	6.5
Ripley	28 154	8.7	10 729	1.5	22 731	1.7	473	1.0	7 803	5.3
St. Charles	62 356	6.2	42 456	.6	62 436	.7	680	.6	25 995	4.1
St. Clair	32 213	5.8	24 614	1.3	31 638	1.4	779	.8	21 400	6.9
Ste. Genevieve	27 993	6.8	17 905	.9	28 376	1.1	631	.7	13 240	4.6
St. Francois	33 369	10.3	13 299	.9	20 492	1.2	650	.9	12 862	4.5
St. Louis	30 680	6.2	21 334	.9	73 314	1.1	291	1.0	14 082	1.6
Saline	73 820	4.1	102 633	.5	109 651	.7	936	.7	68 731	1.3
Schuyler	33 095	11.7	14 345	1.7	29 097	1.9	492	.9	13 588	9.2
Scotland	59 805	9.6	34 078	1.0	56 797	1.3	599	.9	24 683	4.2
Scott	101 175	3.0	76 630	.4	141 644	.7	541	.9	52 783	1.3
Shannon	23 440	9.1	5 500	1.8	11 702	1.9	470	.9	5 214	5.8
Shelby	65 168	5.7	58 535	.6	90 893	.8	644	.8	41 023	2.2
Stoddard	114 342	3.2	153 640	.3	163 274	.6	942	.6	116 612	1.6
Stone	20 457	8.1	15 888	1.4	23 228	1.5	684	.9	13 218	5.5
Sullivan	35 191	5.1	185 404	.1	234 391	.6	792	.8	120 878	.7
Taney	37 709	19.9	9 937	1.1	21 650	1.3	459	.9	9 504	4.1
Texas	23 536	6.9	36 547	.9	24 727	1.1	1 478	.7	33 045	2.6
Vernon	32 415	5.4	87 731	.4	69 353	.8	1 265	.7	74 059	1.4
Warren	36 414	6.3	22 492	1.0	40 525	1.1	554	.6	17 079	5.3
Washington	20 146	11.2	24 682	.4	49 464	.8	499	.9	18 622	1.5
Wayne	29 051	11.5	4 205	2.2	11 066	2.4	380	1.2	4 604	10.5
Webster	23 044	5.8	46 348	.9	27 408	1.1	1 691	.7	41 782	2.3
Worth	29 144	8.9	13 045	1.3	36 642	1.4	356	.8	9 428	5.5
Wright	23 866	6.7	41 994	1.0	31 550	1.2	1 330	.7	35 108	3.0

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	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)
Missouri	**29 162**	**1.2**	**574 610**	**.8**	**61 570**	**.8**	**1 056 896**	**.5**	**36 850**	**1.0**	**167 388**	**.7**
Adair	239	12.5	1 630	14.7	519	5.4	1 954	9.5	343	8.4	673	7.7
Andrew	177	15.9	1 415	8.5	413	8.9	2 362	13.8	522	4.2	2 588	6.8
Atchison	97	17.9	1 414	9.9	192	11.8	1 339	13.4	389	4.7	4 762	3.3
Audrain	329	9.4	9 137	6.8	529	6.6	6 501	3.8	670	4.1	3 854	5.4
Barry	664	5.8	22 074	3.9	1 209	3.2	94 177	.8	279	11.4	383	11.8
Barton	209	14.2	8 583	1.2	557	5.3	7 124	1.7	488	6.2	1 691	5.8
Bates	343	9.6	5 387	4.5	805	3.9	6 805	5.0	535	6.2	2 411	7.0
Benton	271	12.3	3 852	4.0	608	4.9	10 338	4.8	306	11.2	469	10.2
Bollinger	303	11.3	1 633	11.0	523	6.5	3 172	5.4	251	12.1	578	9.1
Boone	387	9.8	6 754	6.6	740	5.0	6 610	4.0	426	8.7	1 147	6.5
Buchanan	125	18.7	469	18.7	373	10.1	1 365	8.9	498	5.4	2 218	5.4
Butler	95	26.5	1 966	21.6	316	9.2	929	24.7	391	7.3	3 297	5.1
Caldwell	158	17.5	1 360	14.9	412	8.5	3 607	12.6	427	7.2	1 159	6.6
Callaway	361	9.8	6 755	7.7	725	5.3	10 025	4.1	475	7.4	1 816	4.7
Camden	151	13.5	2 600	8.1	430	5.4	3 766	13.2	110	17.7	60	26.6
Cape Girardeau	382	9.9	5 724	12.7	747	4.9	6 263	6.6	523	6.1	2 029	4.9
Carroll	205	13.2	2 745	11.5	389	7.9	2 845	11.4	546	5.0	3 975	4.3
Carter	56	12.0	407	54.2	138	5.2	788	4.2	28	21.8	19	17.5
Cass	347	10.7	3 435	5.2	940	4.4	4 852	13.0	543	7.1	2 947	5.8
Cedar	270	11.9	4 726	14.1	580	5.0	4 021	4.2	142	17.6	289	24.8
Chariton	242	13.6	11 292	6.6	495	7.8	11 175	6.0	567	6.0	3 102	4.6
Christian	320	10.8	5 269	12.5	835	4.5	7 738	7.8	150	15.6	182	38.9
Clark	177	17.2	772	23.1	353	7.8	1 437	15.2	400	6.9	2 397	5.2
Clay	175	16.7	5 820	3.7	393	7.9	3 426	6.3	218	14.0	740	8.9
Clinton	226	12.9	5 235	13.6	386	8.3	4 069	9.0	328	9.1	1 495	10.1
Cole	310	12.0	5 130	4.3	769	4.7	6 988	5.3	295	10.7	298	13.0
Cooper	276	11.3	6 815	12.6	571	5.4	9 391	4.2	479	5.9	2 131	5.3
Crawford	193	13.9	545	23.6	517	4.8	1 377	9.1	86	22.5	231	12.5
Dade	291	11.3	3 638	9.8	628	4.5	6 508	6.4	241	12.2	399	7.8
Dallas	444	8.7	4 473	17.5	828	4.2	10 483	4.4	206	14.8	108	18.4
Daviess	191	16.0	4 736	4.2	394	8.7	10 663	5.0	432	7.6	1 748	7.9
De Kalb	172	15.0	2 691	7.1	368	8.8	2 124	8.7	305	8.2	1 097	9.3
Dent	246	12.8	1 712	15.7	561	4.9	2 035	6.9	110	20.1	59	15.4
Douglas	323	11.8	2 543	13.3	978	3.6	8 668	6.6	102	21.9	76	20.1
Dunklin	23	53.2	97	19.7	77	22.1	428	3.9	420	3.6	4 264	2.2
Franklin	466	9.4	3 409	17.1	989	4.0	8 531	4.4	542	7.1	1 741	8.5
Gasconade	195	14.0	1 220	11.8	501	6.2	2 446	9.9	296	10.6	401	14.5
Gentry	170	14.5	3 801	2.7	313	9.3	10 845	2.1	366	5.5	1 262	8.7
Greene	688	7.4	4 124	8.3	1 470	3.1	8 119	7.2	376	11.2	821	3.9
Grundy	152	15.6	1 422	7.8	257	10.1	1 675	13.6	324	7.2	1 684	6.2
Harrison	175	14.9	2 397	7.5	395	6.9	4 547	4.6	414	6.7	1 964	5.4
Henry	277	10.9	6 796	8.7	611	5.5	6 155	7.3	429	7.1	1 245	9.9
Hickory	180	13.8	2 672	17.1	433	4.5	3 658	11.4	110	17.3	104	18.7
Holt	80	23.2	1 711	7.6	144	14.8	2 085	3.8	389	3.2	3 835	4.0
Howard	229	11.1	2 290	13.6	402	7.5	2 165	15.3	376	6.6	1 978	4.9
Howell	649	7.2	10 735	7.2	1 368	2.6	12 242	4.4	199	15.5	109	15.6
Iron	108	14.6	1 212	13.4	189	7.9	1 786	1.7	35	30.7	13	26.3
Jackson	119	19.4	1 092	6.7	368	7.9	982	7.6	242	8.4	2 171	4.5
Jasper	384	9.4	6 215	8.7	969	3.7	22 663	2.0	369	7.7	3 097	2.8
Jefferson	159	15.5	538	22.2	327	9.0	1 139	9.4	172	14.3	292	18.7
Johnson	470	9.2	4 361	7.8	1 041	4.1	11 711	3.2	632	5.4	1 899	5.3
Knox	169	15.2	3 847	7.3	298	9.4	3 731	13.6	383	6.5	2 200	6.9
Laclede	387	9.1	2 792	12.1	1 002	3.2	8 618	6.9	196	14.3	207	15.1
Lafayette	417	8.5	18 317	3.5	708	5.8	14 231	3.9	682	3.7	4 357	3.9
Lawrence	626	6.9	13 365	4.1	1 339	2.9	39 559	2.2	416	8.9	672	8.8
Lewis	183	14.8	2 756	6.3	332	8.5	2 592	3.5	427	5.1	2 776	7.4
Lincoln	300	10.8	2 796	12.8	610	6.0	8 716	3.9	526	5.2	2 436	5.1
Linn	300	9.8	7 655	6.9	565	5.2	7 270	5.7	357	8.1	1 425	6.9
Livingston	158	13.7	1 367	13.5	331	7.9	1 334	9.0	431	6.6	1 652	4.1
McDonald	433	8.2	27 339	1.0	828	3.9	87 598	1.4	82	22.1	74	10.6
Macon	335	9.6	3 365	8.3	655	5.2	3 598	13.3	459	6.9	1 350	6.6
Madison	109	18.4	807	14.0	243	8.4	1 613	6.6	91	21.5	37	27.8
Maries	309	9.1	3 706	23.1	658	4.0	4 122	5.5	207	13.0	141	26.2
Marion	200	13.0	2 729	11.3	379	7.1	4 040	14.1	441	5.1	2 177	7.6
Mercer	117	17.9	3 990	10.4	249	10.2	(D)	(D)	234	9.9	912	9.1
Miller	330	9.8	12 293	3.0	761	4.7	41 411	1.1	251	11.8	232	15.2
Mississippi	16	28.7	115	6.4	33	20.9	217	9.8	224	4.6	3 484	3.1
Moniteau	386	9.0	5 214	4.0	779	4.2	22 678	1.6	324	10.8	770	7.6
Monroe	268	11.3	5 073	15.2	516	6.0	6 989	5.5	471	5.0	2 279	6.7
Montgomery	250	11.4	1 676	11.6	398	6.7	5 225	12.9	472	4.8	2 182	12.8
Morgan	312	9.1	11 455	3.5	610	5.7	57 234	.9	281	10.2	465	14.0
New Madrid	17	40.8	(D)	(D)	21	33.0	(D)	(D)	403	2.0	5 652	1.9
Newton	605	7.0	24 379	1.6	1 224	3.2	71 832	.8	260	12.5	314	16.4
Nodaway	441	9.1	4 881	6.0	766	4.9	6 579	6.0	870	3.2	4 619	4.8
Oregon	234	13.2	2 650	4.4	640	4.4	4 749	13.2	126	20.6	118	18.1
Osage	415	8.3	5 022	12.3	812	4.0	25 020	5.5	325	9.8	423	11.5
Ozark	250	12.5	2 982	12.7	587	5.0	6 829	8.1	89	24.2	78	19.2
Pemiscot	2	–	(D)	(D)	2	–	(D)	(D)	282	5.3	4 054	3.1
Perry	312	10.8	3 952	19.4	539	5.9	3 937	10.4	370	8.2	1 146	8.6

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)
Pettis	391	9.3	12 761	3.1	728	5.4	35 053	2.5	616	5.2	2 638	7.3
Phelps	247	13.0	1 762	26.9	587	5.2	1 521	15.2	75	24.5	67	49.4
Pike	252	12.3	3 785	4.6	430	7.2	4 736	7.1	519	4.4	2 410	4.1
Platte	185	14.6	712	21.9	319	8.4	1 001	12.4	405	5.6	2 288	5.7
Polk	561	8.1	6 050	5.9	1 108	3.9	17 288	3.9	312	10.6	513	20.5
Pulaski	187	13.2	3 924	9.3	367	6.4	2 113	5.4	59	25.7	94	43.4
Putnam	216	11.1	7 830	11.9	394	4.9	2 570	13.8	193	12.3	551	21.1
Ralls	111	15.8	2 862	3.8	244	9.1	2 555	4.6	338	5.8	1 877	5.9
Randolph	174	14.7	5 156	3.9	429	7.2	2 950	9.2	379	7.8	879	11.4
Ray	259	12.3	3 850	7.9	610	5.5	3 071	8.2	468	6.2	1 781	5.7
Reynolds	81	13.7	382	25.7	219	6.7	555	10.0	36	25.7	15	39.7
Ripley	158	14.2	832	26.8	346	5.7	1 156	10.0	125	16.1	180	12.6
St. Charles	121	19.5	643	18.0	246	13.0	3 373	19.8	456	6.2	2 103	4.7
St. Clair	208	15.2	2 523	28.9	534	5.8	4 825	8.6	253	10.7	1 131	26.4
Ste. Genevieve	216	12.9	1 003	17.3	460	5.9	3 135	9.6	302	9.3	486	8.7
St. Francois	205	13.0	1 013	22.4	436	6.8	2 491	5.4	130	19.5	(D)	(D)
St. Louis	34	30.9	(D)	(D)	67	21.2	452	13.9	104	8.3	1 086	4.7
Saline	276	10.1	8 512	3.3	412	7.6	10 146	2.2	655	3.6	5 209	2.6
Schuyler	226	14.3	1 978	23.1	299	8.8	1 573	18.6	195	14.3	380	9.1
Scotland	182	13.6	1 794	19.3	281	9.8	3 740	13.7	364	5.5	1 773	6.6
Scott	118	18.0	2 267	3.7	246	11.0	11 193	2.0	326	7.3	3 240	4.7
Shannon	186	13.5	711	20.6	361	5.8	799	10.5	56	29.0	62	60.0
Shelby	205	10.9	4 062	3.8	394	6.5	7 640	4.9	448	4.8	1 980	7.5
Stoddard	182	18.0	6 605	7.1	274	13.3	19 726	.6	616	4.3	7 130	1.2
Stone	237	12.6	1 619	9.1	488	6.2	5 324	9.4	104	22.7	86	21.1
Sullivan	213	11.6	(D)	(D)	457	5.3	20 205	1.2	269	9.6	(D)	(D)
Taney	153	16.0	3 251	1.6	332	6.4	1 952	5.9	52	30.5	36	29.1
Texas	478	8.8	3 444	11.9	1 126	3.5	10 327	5.4	199	15.5	168	9.3
Vernon	352	10.3	26 488	1.8	862	4.4	11 273	2.0	468	7.5	1 736	5.7
Warren	126	16.0	1 468	25.0	327	6.3	2 725	4.3	271	6.6	992	5.0
Washington	133	20.0	1 878	7.5	381	6.9	8 684	1.2	47	34.8	59	22.6
Wayne	148	16.6	745	28.5	294	6.8	713	25.2	44	28.8	82	9.9
Webster	625	7.2	5 748	8.5	1 310	2.9	16 635	3.9	391	9.3	252	12.8
Worth	57	23.1	781	13.4	227	9.6	1 259	9.8	177	11.8	436	10.9
Wright	499	7.7	3 264	12.6	1 015	3.5	14 668	4.3	216	13.1	177	31.2

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)
Missouri	**61 078**	**.8**	**345 941**	**.7**	**34 788**	**1.0**	**230 054**	**.8**	**91 166**	**.6**	**208 015**	**.6**
Adair	440	7.8	1 332	6.9	336	9.6	1 127	11.5	815	2.2	1 383	7.7
Andrew	468	6.8	3 330	10.3	501	5.6	3 740	6.6	778	1.7	1 698	5.0
Atchison	398	4.0	6 302	4.7	394	3.2	5 859	3.9	440	2.9	2 441	4.2
Audrain	693	3.7	8 270	5.1	603	4.6	5 980	5.3	940	1.7	3 203	4.0
Barry	774	5.0	2 166	7.9	370	9.4	407	14.4	1 470	1.6	3 629	2.5
Barton	668	3.6	5 488	4.3	485	6.2	2 868	7.7	828	1.9	2 675	5.1
Bates	817	4.5	5 053	4.3	522	6.0	2 930	5.2	1 172	1.8	2 640	3.7
Benton	483	6.6	1 424	9.6	235	12.2	561	15.1	754	2.2	1 383	8.3
Bollinger	559	6.0	2 071	7.6	228	12.3	660	11.2	744	3.2	1 001	7.0
Boone	474	8.0	1 867	7.2	301	10.5	1 594	10.0	1 056	2.5	1 588	4.9
Buchanan	494	6.8	2 717	7.0	459	8.0	2 447	8.0	680	2.9	1 561	7.3
Butler	502	5.9	5 852	3.3	367	6.8	4 928	4.0	671	1.3	3 442	2.4
Caldwell	475	6.9	1 570	5.5	351	9.8	1 493	6.8	770	2.1	1 023	7.8
Callaway	714	5.5	3 321	6.8	464	8.2	1 928	5.8	1 214	2.1	2 450	4.4
Camden	320	8.4	688	10.9	107	18.6	70	26.0	581	.9	626	7.9
Cape Girardeau	794	4.4	4 196	4.0	500	7.3	2 065	4.3	1 100	1.9	2 290	5.7
Carroll	552	5.3	4 686	5.8	525	5.3	5 341	9.0	874	2.3	2 767	4.8
Carter	120	6.7	229	9.5	18	22.2	11	19.0	182	3.5	208	7.2
Cass	792	5.6	3 759	6.8	510	7.3	2 846	7.3	1 372	1.9	2 572	5.0
Cedar	453	7.5	1 322	11.3	213	12.0	242	23.8	817	2.3	973	9.2
Chariton	700	4.8	5 773	4.8	559	5.8	4 431	7.0	971	2.6	3 082	4.3
Christian	731	5.6	1 612	7.6	236	13.2	197	20.1	1 106	2.1	1 134	8.2
Clark	484	4.6	3 811	5.2	435	6.4	3 316	5.1	578	3.4	1 787	5.1
Clay	282	12.6	1 575	15.5	254	13.5	1 280	21.1	596	2.5	995	11.6
Clinton	394	7.3	2 659	11.8	333	8.9	2 166	7.0	669	3.1	1 333	5.4
Cole	717	4.9	1 378	7.3	278	11.9	225	10.3	948	2.7	1 007	6.5
Cooper	596	5.1	3 847	5.1	435	7.2	2 747	8.3	818	2.1	2 255	7.8
Crawford	421	6.8	1 113	18.6	67	26.1	51	11.2	644	2.1	618	8.4
Dade	533	6.4	2 072	6.6	248	13.9	627	10.2	747	2.5	1 188	8.8
Dallas	643	6.1	1 215	6.7	142	18.6	52	21.9	1 061	1.7	1 155	8.9
Daviess	496	5.9	2 706	9.2	427	8.6	2 001	9.5	787	2.2	1 998	5.6
De Kalb	349	8.6	2 023	8.4	289	9.1	1 443	13.4	618	4.4	1 182	6.3
Dent	527	5.6	1 259	7.8	77	24.5	24	31.4	675	2.6	685	7.3
Douglas	738	5.4	2 029	10.6	169	15.4	80	18.1	1 108	1.8	1 305	6.6

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.											
	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)
Dunklin	423	4.1	9 629	1.9	398	3.7	16 818	2.6	463	2.0	4 314	2.9
Franklin	1 107	3.6	3 422	8.0	477	8.2	1 034	13.0	1 528	1.4	1 863	3.9
Gasconade	582	4.8	1 406	8.5	218	13.6	474	26.8	733	1.8	689	10.2
Gentry	384	4.8	2 268	6.6	329	6.9	2 181	18.2	531	3.5	1 800	9.6
Greene	1 146	4.5	2 628	6.9	402	10.3	375	11.2	1 814	1.7	1 828	6.3
Grundy	332	6.8	1 950	10.1	310	8.1	2 162	11.9	567	3.5	1 517	8.5
Harrison	434	6.7	2 738	5.1	392	6.4	2 579	6.1	763	3.1	1 977	5.5
Henry	613	4.8	3 766	6.7	352	9.0	1 594	11.7	891	1.7	2 002	4.6
Hickory	315	8.3	1 157	15.5	59	26.8	72	28.6	493	2.7	715	7.6
Holt	357	4.7	4 986	6.5	382	4.3	4 939	3.6	440	2.9	1 932	4.8
Howard	518	5.1	2 770	7.3	334	8.3	1 508	10.6	641	2.9	1 708	6.7
Howell	1 181	3.5	3 536	4.8	256	12.3	260	30.1	1 563	1.5	1 831	4.0
Iron	169	9.8	235	13.4	11	54.2	3	35.7	274	1.2	249	9.9
Jackson	352	7.7	1 938	6.5	304	8.1	1 621	13.2	702	2.5	1 351	4.5
Jasper	668	5.2	3 218	6.9	368	8.6	1 364	10.0	1 191	2.0	2 416	3.9
Jefferson	247	11.0	537	9.4	165	13.0	369	19.0	622	2.1	529	6.9
Johnson	973	4.6	4 732	5.7	650	5.1	2 883	7.2	1 494	1.9	2 635	5.5
Knox	395	6.1	3 758	6.6	393	6.5	2 597	7.4	536	2.2	2 008	4.6
Laclede	845	4.2	2 128	6.4	172	15.7	144	39.0	1 219	1.7	1 393	6.9
Lafayette	861	4.0	7 204	3.6	719	4.5	5 120	5.9	1 141	1.9	3 046	2.6
Lawrence	1 026	4.2	4 229	6.7	414	8.8	656	12.2	1 646	1.4	3 174	3.9
Lewis	474	4.6	5 176	8.1	402	6.2	3 262	5.9	648	3.1	2 044	7.0
Lincoln	615	5.0	4 253	4.6	453	6.8	2 532	6.1	886	2.5	1 999	4.2
Linn	466	6.5	2 730	5.7	338	8.3	1 579	6.6	819	2.3	1 951	4.4
Livingston	465	5.2	2 790	4.3	408	7.0	3 048	5.8	670	2.5	1 754	5.1
McDonald	461	7.6	820	9.5	236	12.4	124	20.9	1 038	1.6	2 927	3.1
Macon	579	5.9	2 967	7.6	391	8.0	1 920	6.7	1 032	2.3	1 849	5.0
Madison	296	6.3	617	12.7	54	27.1	16	34.3	387	.9	323	10.2
Maries	611	4.4	1 735	8.0	109	18.4	84	21.9	760	2.2	993	6.3
Marion	514	3.6	3 813	8.1	418	5.4	2 583	9.9	622	2.9	1 708	8.9
Mercer	309	8.2	1 595	7.2	229	10.7	1 215	10.3	471	3.8	4 218	1.4
Miller	646	5.2	1 503	7.3	185	11.9	307	16.1	992	2.2	1 670	4.2
Mississippi	212	4.9	6 766	2.6	216	4.8	6 984	3.1	264	.9	3 526	2.4
Moniteau	699	5.0	2 380	7.3	273	10.5	715	11.0	924	1.9	1 791	5.4
Monroe	619	4.5	5 340	6.7	483	6.5	3 299	6.3	780	2.8	2 323	5.2
Montgomery	528	3.5	4 163	9.6	394	6.8	2 539	9.9	709	2.3	1 560	4.3
Morgan	529	5.7	1 526	7.9	281	11.1	451	12.9	828	1.7	2 082	5.0
New Madrid	392	3.6	10 135	3.2	370	3.3	11 702	1.8	411	.7	5 010	3.2
Newton	792	5.2	1 941	7.9	195	14.1	377	16.1	1 448	1.7	2 583	2.8
Nodaway	833	3.6	6 672	4.3	823	4.6	6 002	6.4	1 201	1.6	4 163	5.0
Oregon	522	6.1	2 110	16.8	143	18.6	43	27.5	768	1.8	1 053	8.6
Osage	871	3.5	2 554	6.3	274	11.2	523	17.2	1 087	1.6	1 690	5.4
Ozark	538	5.9	2 131	5.7	161	17.0	92	17.3	724	2.3	1 053	6.9
Pemiscot	266	6.3	5 279	3.4	271	5.5	10 227	3.7	304	1.0	3 935	3.4
Perry	626	5.1	2 982	7.1	361	8.2	1 539	10.8	836	1.6	1 569	7.9
Pettis	820	4.5	5 804	4.5	501	6.7	3 331	6.5	1 146	2.1	2 764	3.6
Phelps	437	7.4	797	13.3	156	18.7	77	47.2	676	2.8	553	8.9
Pike	616	4.5	5 216	4.9	477	4.9	2 960	7.3	763	3.3	2 285	3.9
Platte	475	5.3	2 730	7.5	415	4.9	2 551	5.4	622	2.7	1 395	6.9
Polk	987	4.6	2 755	5.4	302	11.6	288	11.4	1 488	1.4	1 887	4.4
Pulaski	316	8.0	702	10.6	70	24.5	74	27.6	499	3.2	457	9.0
Putnam	288	9.3	1 564	6.2	199	12.4	576	18.5	571	2.2	1 085	6.3
Ralls	328	6.7	3 824	7.6	322	7.1	2 412	8.1	503	2.6	1 712	5.3
Randolph	440	6.3	1 807	8.9	349	8.4	1 324	13.2	687	3.1	1 125	10.1
Ray	548	6.2	2 818	6.9	472	6.4	2 499	5.6	1 037	1.6	1 604	4.0
Reynolds	167	9.5	289	11.5	36	26.0	17	32.6	303	1.3	308	7.9
Ripley	328	5.6	885	5.5	97	17.1	408	20.8	468	1.3	626	6.6
St. Charles	435	6.3	3 052	5.2	431	6.5	2 715	4.8	632	2.5	1 930	6.2
St. Clair	493	6.4	2 567	10.5	229	12.3	1 049	20.3	727	1.8	1 391	8.0
Ste. Genevieve	487	5.5	1 374	8.7	167	13.3	481	6.3	600	2.3	803	6.2
St. Francois	405	7.6	730	10.7	94	20.3	52	66.1	629	2.4	912	5.4
St. Louis	132	8.9	454	13.2	103	12.5	390	13.1	239	3.8	789	2.5
Saline	699	3.2	8 274	3.5	596	4.0	6 434	3.6	847	2.4	3 752	2.9
Schuyler	258	10.7	1 445	18.4	152	17.8	581	21.0	432	4.7	885	12.9
Scotland	360	7.5	2 955	6.3	285	9.3	1 807	7.4	530	2.9	1 617	6.1
Scott	375	5.7	5 915	3.0	348	7.2	4 974	2.5	512	2.4	3 096	1.8
Shannon	253	9.9	642	15.4	49	32.3	17	44.2	451	2.3	445	8.2
Shelby	464	4.4	4 782	5.6	422	5.0	2 859	6.3	573	2.4	1 961	3.6
Stoddard	687	4.0	16 134	1.5	539	5.5	10 942	2.9	867	2.1	7 182	1.3
Stone	408	8.5	724	11.2	94	20.7	91	20.7	639	2.8	528	7.9
Sullivan	426	7.1	1 397	8.0	242	10.1	929	11.3	726	2.9	4 135	2.4
Taney	242	11.3	607	12.1	47	34.1	34	35.6	436	2.4	442	9.3
Texas	1 021	3.9	3 314	6.5	182	16.8	254	13.2	1 405	1.5	1 635	5.3
Vernon	745	4.6	4 909	5.1	381	8.1	1 932	6.9	1 156	2.1	2 955	3.6
Warren	340	6.5	1 559	6.6	275	8.0	1 231	4.0	547	1.4	931	5.7
Washington	262	11.1	458	15.8	12	55.5	9	44.2	475	2.6	513	11.3
Wayne	267	8.3	544	13.8	55	27.9	93	19.7	369	2.2	311	10.0
Webster	1 104	4.0	2 546	5.8	322	11.0	162	14.6	1 579	1.7	1 668	4.6
Worth	180	12.3	814	9.4	169	12.0	747	12.5	322	4.6	720	9.2
Wright	893	4.1	2 624	8.2	187	14.5	102	21.5	1 265	1.5	1 582	10.6

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.											
	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)
Missouri	**61 727**	**.8**	**59 481**	**.7**	**25 156**	**1.3**	**253 888**	**.7**	**8 751**	**2.3**	**24 438**	**2.1**
Adair	547	5.8	303	11.1	146	16.6	689	22.2	68	25.3	106	29.2
Andrew	475	7.0	447	10.0	176	16.1	1 266	24.7	51	32.3	138	43.4
Atchison	380	5.0	629	6.0	214	10.3	2 252	5.5	54	25.9	121	19.9
Audrain	768	4.1	896	4.3	308	9.6	2 203	15.2	68	20.6	223	10.8
Barry	1 082	3.8	1 453	2.6	394	8.6	3 611	5.4	198	12.2	675	24.6
Barton	647	4.6	692	4.8	235	12.3	2 965	3.0	59	23.9	559	5.6
Bates	852	4.4	650	8.4	398	8.9	2 419	9.7	90	21.1	247	10.6
Benton	526	5.9	413	8.3	206	15.7	461	11.7	56	30.1	177	9.8
Bollinger	500	7.1	238	7.3	224	13.0	543	11.9	38	39.3	51	48.0
Boone	706	5.4	401	5.7	282	11.2	1 875	5.1	114	19.5	226	17.8
Buchanan	454	7.2	244	9.0	206	14.0	1 094	14.9	41	33.0	71	22.9
Butler	399	8.3	1 010	8.3	285	9.9	3 805	4.8	80	19.4	480	6.1
Caldwell	506	7.1	262	8.2	127	17.8	482	29.1	28	44.5	61	50.2
Callaway	810	4.6	798	3.5	270	11.4	3 323	3.6	107	19.7	194	22.8
Camden	327	8.6	235	14.9	145	16.5	1 200	6.6	68	21.6	93	22.3
Cape Girardeau	760	5.0	465	5.4	356	9.8	2 105	6.0	13	48.1	39	24.1
Carroll	618	4.8	491	4.9	269	9.8	2 346	2.4	70	21.9	183	27.0
Carter	104	7.8	53	7.9	48	14.1	184	12.1	25	20.7	30	29.0
Cass	825	5.3	629	7.5	308	11.0	3 850	3.8	181	16.3	770	14.4
Cedar	515	6.2	267	10.3	167	16.2	600	11.0	70	27.7	95	36.1
Chariton	689	4.5	630	4.9	306	10.4	2 560	5.9	130	20.2	393	22.7
Christian	769	5.4	407	9.9	242	13.7	842	16.5	93	23.4	108	25.8
Clark	390	6.5	290	8.6	208	14.9	933	7.0	49	30.8	175	58.1
Clay	338	10.2	282	9.6	141	22.0	1 424	21.1	79	25.1	247	16.3
Clinton	424	6.4	318	8.3	208	13.9	1 308	10.6	64	26.4	340	18.6
Cole	726	5.4	360	7.0	141	18.3	798	7.7	31	41.9	25	49.8
Cooper	640	4.6	528	5.5	177	13.5	1 534	5.5	93	23.3	190	17.4
Crawford	365	7.9	123	11.0	208	12.9	778	35.0	57	27.8	87	16.2
Dade	598	4.9	378	7.8	177	15.1	952	21.1	114	22.2	252	32.6
Dallas	725	5.8	502	7.6	232	14.0	686	10.4	109	22.5	199	28.3
Daviess	472	7.6	453	6.9	204	15.5	1 947	3.1	29	40.9	37	34.1
De Kalb	424	7.2	402	8.0	169	14.4	837	5.2	55	29.7	57	20.1
Dent	377	8.5	156	12.0	243	11.6	580	12.6	89	22.3	143	25.1
Douglas	656	6.6	470	13.4	279	11.9	1 546	19.0	112	20.1	188	13.5
Dunklin	325	6.1	542	4.5	287	8.8	7 337	2.4	135	13.5	1 283	4.7
Franklin	1 075	3.7	797	5.3	300	12.3	3 633	6.3	68	28.2	196	10.9
Gasconade	437	7.2	193	13.1	148	16.3	583	25.1	40	35.5	69	53.9
Gentry	378	7.6	594	3.8	202	13.7	2 491	8.8	77	27.9	194	29.1
Greene	1 207	4.3	618	8.0	453	9.0	1 943	3.8	259	14.1	290	16.0
Grundy	357	7.6	268	10.8	126	16.7	1 438	11.0	42	31.4	120	13.2
Harrison	494	6.0	488	5.8	219	12.2	1 928	5.6	81	23.1	145	14.4
Henry	668	4.6	497	6.1	229	13.2	1 597	3.2	49	28.1	92	13.9
Hickory	351	6.8	221	10.6	94	20.4	567	3.2	48	33.7	66	38.9
Holt	312	7.4	394	6.8	201	11.8	1 674	10.8	50	27.9	109	14.3
Howard	455	6.5	374	10.2	216	11.9	2 024	14.0	77	23.9	223	39.0
Howell	871	5.9	592	4.5	411	9.8	3 498	2.7	159	15.9	237	17.9
Iron	144	10.5	66	12.8	99	16.7	481	5.6	31	34.5	33	24.0
Jackson	395	7.9	292	11.4	155	13.6	2 420	11.4	65	24.7	142	8.9
Jasper	820	4.8	1 042	12.6	219	12.5	6 405	2.2	98	19.3	545	12.5
Jefferson	340	8.1	166	13.1	110	19.6	475	10.9	58	29.4	60	33.7
Johnson	986	4.7	735	4.9	315	11.7	1 380	14.7	118	21.0	255	28.3
Knox	419	5.9	456	8.3	234	10.9	2 053	8.8	60	24.8	215	10.1
Laclede	744	4.9	592	16.5	276	11.7	811	15.7	101	19.7	151	22.2
Lafayette	851	4.3	927	3.4	291	10.0	4 062	3.3	67	25.2	174	15.6
Lawrence	1 184	3.6	1 300	4.7	457	8.1	3 846	5.1	215	13.5	733	6.6
Lewis	442	5.4	332	5.8	215	11.5	1 110	8.3	90	23.6	193	36.8
Lincoln	623	5.7	610	5.8	257	13.0	3 111	3.6	75	28.5	122	17.0
Linn	592	5.1	535	6.7	207	11.5	2 020	5.4	56	23.8	300	22.3
Livingston	463	6.5	333	8.6	154	14.5	1 424	6.8	31	40.3	164	60.5
McDonald	636	5.5	1 463	2.8	237	12.4	3 357	2.4	100	18.6	201	16.6
Macon	733	4.8	398	7.2	175	14.3	1 147	5.8	79	24.3	105	14.4
Madison	218	10.9	72	13.6	68	25.0	248	4.1	34	37.2	28	44.2
Maries	540	5.5	209	8.0	210	13.2	741	13.6	70	25.5	116	29.2
Marion	440	5.8	457	4.9	157	14.8	2 026	20.1	47	25.8	149	12.7
Mercer	312	8.1	(D)	(D)	63	27.1	(D)	(D)	49	33.2	105	35.6
Miller	677	4.9	539	6.1	276	11.6	1 066	10.8	60	22.1	140	11.5
Mississippi	228	3.9	710	2.0	180	6.0	7 151	1.1	38	12.1	274	7.7
Moniteau	771	3.9	530	5.5	297	11.9	1 723	11.6	27	32.2	131	12.6
Monroe	607	5.7	671	6.4	240	13.8	1 678	15.8	89	22.6	188	29.1
Montgomery	547	4.9	409	6.4	197	13.5	1 216	7.6	68	28.5	184	37.6
Morgan	607	5.2	701	5.1	210	11.1	1 365	10.7	84	20.5	217	7.2
New Madrid	345	4.6	549	6.4	243	5.7	8 321	3.6	128	11.5	549	8.4
Newton	1 116	3.4	1 282	2.8	363	9.6	4 008	5.5	144	15.5	390	12.7
Nodaway	935	3.6	968	5.4	425	8.5	2 427	7.1	101	22.3	207	11.4
Oregon	410	8.3	214	12.6	286	11.0	840	14.4	81	26.4	145	27.7
Osage	772	4.3	633	7.1	354	9.4	1 656	14.4	81	23.2	100	16.4
Ozark	518	6.2	313	10.0	214	13.7	1 103	17.2	124	20.7	201	25.0
Pemiscot	239	8.0	372	8.4	225	9.1	6 985	3.0	104	15.9	718	1.9
Perry	592	6.0	314	8.8	253	12.4	1 302	7.4	36	34.0	146	39.2

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.											
	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)
Pettis	878	4.1	996	3.2	291	10.6	3 554	4.7	151	15.8	353	12.0
Phelps	438	7.6	168	17.1	159	17.6	436	25.8	93	24.3	105	34.6
Pike	661	4.4	620	5.4	248	11.2	2 560	5.3	94	22.8	442	20.0
Platte	462	5.8	249	8.8	178	13.0	1 098	11.7	78	22.1	433	9.4
Polk	1 007	4.6	771	5.3	434	9.6	1 648	7.5	179	17.0	354	12.7
Pulaski	279	10.4	135	12.8	125	18.2	447	19.1	52	29.5	82	45.4
Putnam	409	6.1	245	9.7	159	13.1	868	6.3	39	29.8	67	26.0
Ralls	356	6.5	311	7.3	129	15.4	945	16.2	42	23.0	113	21.5
Randolph	482	5.4	242	7.9	138	17.7	670	10.7	52	30.8	47	27.2
Ray	508	6.9	293	8.7	203	13.5	1 029	8.0	73	24.4	236	31.5
Reynolds	132	11.3	35	16.1	82	16.9	78	25.5	31	27.4	77	37.3
Ripley	155	13.2	83	9.2	110	17.6	349	9.1	43	31.9	79	33.6
St. Charles	444	6.0	361	8.1	183	13.7	2 462	4.7	33	36.0	89	14.5
St. Clair	495	5.8	281	6.9	140	16.8	677	22.7	99	25.5	147	27.1
Ste. Genevieve	401	7.6	191	11.9	161	16.3	743	10.2	22	58.9	80	14.2
St. Francois	336	9.6	(D)	(D)	205	14.1	1 607	2.2	50	29.3	88	9.7
St. Louis	172	8.2	(D)	(D)	95	12.2	3 449	4.6	26	26.0	170	3.7
Saline	626	5.1	911	10.2	370	8.3	3 741	7.5	125	16.8	316	8.7
Schuyler	306	8.8	255	12.9	84	29.6	491	19.3	91	28.1	234	41.4
Scotland	409	6.3	351	6.8	174	12.7	939	13.4	69	26.7	156	26.2
Scott	384	6.2	523	2.9	204	9.2	3 830	2.0	29	23.2	148	9.4
Shannon	195	13.2	61	18.4	100	22.5	94	26.8	82	26.5	92	38.5
Shelby	474	4.5	508	4.7	206	11.6	1 601	14.1	61	24.6	135	24.1
Stoddard	567	5.7	1 249	2.4	382	8.3	8 035	1.0	82	13.8	618	8.2
Stone	399	7.2	256	8.0	150	16.1	411	8.1	33	31.3	60	22.8
Sullivan	477	5.6	2 566	1.0	182	13.5	(D)	(D)	64	23.6	293	56.2
Taney	253	10.2	103	16.4	88	23.2	326	13.7	26	42.5	69	39.5
Texas	849	5.3	538	6.0	433	9.4	1 772	8.6	115	20.3	163	27.0
Vernon	643	6.4	1 002	4.9	297	10.7	2 079	5.3	159	17.3	885	6.7
Warren	407	5.9	270	7.2	148	17.4	1 390	4.3	33	27.2	60	16.6
Washington	293	9.7	202	7.6	138	20.6	1 041	3.8	25	56.9	13	56.9
Wayne	170	13.9	51	16.0	77	24.5	211	16.3	29	42.4	52	51.8
Webster	991	4.7	622	6.2	328	10.8	1 078	13.0	124	18.8	478	6.4
Worth	257	8.9	198	10.0	111	18.5	274	13.0	47	31.9	85	26.7
Wright	842	4.4	744	5.0	397	9.0	1 782	8.5	123	18.7	240	42.6

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)
Missouri	**76 985**	**.7**	**283 364**	**.8**	**28 696**	**1.2**	**80 440**	**1.5**	**45 114**	**.9**	**312 483**	**.9**
Adair	745	3.5	1 926	8.1	302	10.8	542	16.2	362	9.6	1 450	15.4
Andrew	669	4.2	2 688	5.4	294	11.2	592	13.2	457	7.2	2 550	10.9
Atchison	415	4.0	3 194	5.3	222	10.3	1 312	12.0	299	7.9	3 161	5.4
Audrain	852	3.1	4 771	5.9	416	6.8	1 431	16.8	496	6.0	5 307	6.5
Barry	1 218	3.2	3 390	4.0	367	9.5	558	11.7	824	5.2	4 886	7.5
Barton	721	3.8	3 919	6.2	249	12.5	643	10.7	526	6.6	4 120	7.2
Bates	1 099	2.4	4 063	4.0	317	10.1	946	12.3	595	6.5	4 016	6.6
Benton	625	4.8	1 722	9.3	195	16.8	240	18.8	407	9.2	2 035	9.6
Bollinger	627	5.1	1 241	11.3	222	13.9	412	19.6	381	9.2	1 506	10.3
Boone	895	4.1	2 491	5.8	371	9.7	890	7.2	503	7.6	3 314	6.0
Buchanan	666	3.7	2 337	8.5	251	12.2	592	12.1	412	8.1	2 510	13.3
Butler	590	4.4	4 277	6.3	228	12.5	1 849	7.8	346	7.0	3 834	8.0
Caldwell	584	5.3	1 509	12.2	347	10.2	989	10.0	367	10.2	2 337	12.5
Callaway	995	3.8	3 240	5.9	319	10.9	825	15.4	573	7.3	3 484	9.4
Camden	456	5.2	750	7.8	123	18.1	105	19.2	204	11.5	1 107	15.5
Cape Girardeau	927	3.5	3 352	5.8	316	10.6	723	11.1	456	8.4	2 783	7.3
Carroll	725	4.0	3 325	5.0	447	7.5	1 499	11.4	569	5.4	4 496	7.4
Carter	160	4.3	376	5.5	32	15.9	25	19.3	85	10.1	357	13.3
Cass	1 194	3.1	3 957	4.5	484	8.5	936	8.5	602	6.8	4 325	10.4
Cedar	715	3.9	1 549	12.4	131	18.8	153	20.7	384	9.0	1 422	10.9
Chariton	858	3.9	4 405	6.3	408	9.3	1 678	11.4	582	6.8	5 105	7.5
Christian	934	4.1	1 569	9.1	332	10.4	425	18.2	393	10.0	1 648	14.5
Clark	487	4.4	2 529	6.2	295	11.3	964	14.5	358	9.3	2 603	9.1
Clay	481	6.8	1 524	10.6	213	15.8	525	12.0	161	19.1	1 027	10.4
Clinton	582	5.3	2 119	7.6	219	13.4	664	12.0	350	8.9	2 540	10.5
Cole	822	3.8	1 497	8.3	170	17.4	195	20.7	322	11.8	1 425	8.4
Cooper	734	3.2	2 422	6.1	386	9.0	1 111	12.9	402	8.5	3 612	7.2
Crawford	517	5.1	1 125	12.6	139	18.1	149	23.3	250	11.8	651	16.3
Dade	581	5.4	1 636	7.8	221	14.2	300	19.0	356	10.2	1 963	14.8
Dallas	919	3.6	1 939	10.1	243	13.3	216	17.4	551	7.6	2 407	10.1
Daviess	621	5.0	2 900	7.3	376	9.5	937	14.4	422	9.1	3 568	8.5
De Kalb	517	6.3	1 392	9.7	307	10.8	524	10.2	341	10.4	1 830	13.4
Dent	550	5.5	1 187	9.2	107	20.6	138	28.2	351	9.9	1 191	17.0
Douglas	916	4.1	1 858	8.2	247	14.4	302	18.9	498	8.7	2 065	12.3

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	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)
Dunklin	436	3.6	6 685	4.6	231	8.4	1 862	6.5	374	3.5	5 801	3.7
Franklin	1 262	3.1	3 268	5.5	470	8.9	639	11.0	562	7.2	2 297	9.1
Gasconade	664	3.3	1 303	12.6	201	14.1	206	17.9	270	10.6	1 146	14.0
Gentry	460	5.3	1 859	10.6	301	10.2	1 207	26.1	377	8.0	2 542	14.2
Greene	1 479	3.0	2 771	6.1	438	10.0	473	14.6	720	6.9	3 042	8.9
Grundy	483	5.1	1 919	6.8	172	13.6	635	22.0	296	9.5	2 208	13.4
Harrison	610	5.0	2 400	8.2	358	9.4	886	9.2	421	8.1	3 036	7.4
Henry	727	4.2	2 703	8.3	272	11.7	524	13.7	469	7.6	3 167	8.4
Hickory	465	3.8	967	11.8	108	19.1	185	16.6	268	10.3	1 104	13.8
Holt	352	6.0	2 627	7.9	229	10.6	1 129	12.3	276	7.7	3 288	8.6
Howard	515	4.4	2 390	6.3	233	11.5	745	12.6	351	9.1	2 952	9.0
Howell	1 262	3.4	2 912	6.0	368	10.9	624	14.0	752	6.5	3 223	7.3
Iron	179	8.6	286	10.5	33	32.5	10	38.4	119	14.4	291	15.8
Jackson	517	5.5	1 823	8.0	188	13.9	688	22.9	267	10.6	1 975	14.0
Jasper	1 044	3.4	3 108	6.3	321	9.6	946	16.1	587	6.5	4 248	6.0
Jefferson	550	4.2	972	14.6	70	27.8	80	34.8	159	15.8	803	19.6
Johnson	1 321	3.0	3 538	5.4	460	9.1	992	10.3	829	5.8	4 321	6.7
Knox	462	5.5	2 217	5.4	246	11.8	717	15.1	360	7.6	3 262	7.9
Laclede	992	3.4	2 081	7.4	311	11.4	448	14.0	649	6.2	3 007	8.6
Lafayette	995	3.1	4 795	5.0	481	7.6	1 523	6.5	567	7.2	4 737	5.5
Lawrence	1 364	2.8	3 479	5.3	498	8.7	928	15.3	905	5.0	5 615	6.1
Lewis	521	4.8	2 519	13.0	260	11.3	918	14.2	387	7.9	2 714	7.2
Lincoln	785	4.1	3 452	6.7	282	11.3	520	12.3	373	9.4	2 721	13.0
Linn	651	4.4	2 514	6.2	282	9.8	932	9.5	469	6.9	3 103	6.4
Livingston	552	4.5	2 252	6.3	265	12.1	931	9.7	330	8.0	3 045	5.9
McDonald	781	4.2	2 810	4.1	222	12.9	730	12.3	480	7.8	4 010	5.8
Macon	844	4.2	2 400	5.9	302	11.1	547	12.4	496	7.5	2 406	8.0
Madison	297	6.9	427	9.6	109	19.3	237	31.1	127	17.5	283	18.7
Maries	713	3.2	1 634	9.2	170	15.4	254	9.3	306	10.2	1 464	13.8
Marion	545	4.5	1 845	7.8	259	9.7	710	15.0	337	8.0	2 198	8.6
Mercer	354	8.0	5 045	2.7	219	13.9	2 124	7.1	227	11.2	11 483	1.2
Miller	888	3.0	2 141	8.8	211	13.1	463	29.5	428	8.5	2 697	7.3
Mississippi	235	3.8	4 942	2.6	129	8.6	1 709	7.3	188	5.4	4 030	2.2
Moniteau	849	3.3	2 014	5.4	362	9.8	569	11.5	486	8.2	3 019	8.2
Monroe	729	3.5	3 361	6.5	357	10.4	882	13.5	426	8.3	3 878	8.9
Montgomery	629	3.2	2 540	12.1	262	11.5	1 008	36.1	362	7.6	3 075	9.9
Morgan	701	3.7	2 147	6.0	264	10.7	418	8.5	355	8.1	2 613	6.4
New Madrid	387	4.0	7 161	3.6	235	7.2	2 004	3.8	310	5.6	5 274	3.5
Newton	1 184	3.2	3 146	4.5	366	9.7	518	10.3	678	6.3	3 732	5.9
Nodaway	1 077	2.6	5 562	4.1	508	7.6	1 817	12.5	794	5.4	6 362	6.5
Oregon	642	4.6	1 648	12.8	191	15.8	337	21.3	363	9.8	1 575	10.3
Osage	967	2.9	2 697	7.5	363	9.8	350	11.9	422	8.2	1 728	8.8
Ozark	577	5.1	1 437	8.6	119	21.4	142	26.0	365	9.3	1 520	9.5
Pemiscot	257	5.2	5 163	5.3	132	7.8	2 219	6.1	197	9.0	3 498	3.0
Perry	706	3.8	2 524	6.9	310	10.8	436	12.3	425	8.4	2 438	10.4
Pettis	1 003	3.5	4 574	4.9	405	9.1	1 399	17.7	631	6.3	5 505	7.5
Phelps	532	5.8	801	9.8	95	21.7	142	26.2	247	12.2	1 047	12.0
Pike	713	4.1	3 834	10.2	337	9.3	831	9.3	411	7.8	3 466	8.1
Platte	510	4.4	1 747	6.7	258	10.1	838	11.2	328	8.9	2 481	7.5
Polk	1 262	3.2	2 823	4.8	411	10.1	575	14.4	680	7.2	3 484	7.4
Pulaski	387	6.5	600	12.4	85	21.8	88	31.1	166	15.6	516	17.4
Putnam	494	4.2	1 859	9.1	158	13.6	381	15.2	341	7.7	2 044	8.5
Ralls	427	5.0	2 373	6.6	173	13.3	489	15.5	248	9.6	2 221	10.3
Randolph	572	5.0	1 618	12.6	269	11.4	534	17.8	382	8.1	2 399	10.9
Ray	800	4.1	2 554	10.0	396	8.4	1 272	13.7	409	7.7	2 072	8.5
Reynolds	250	4.2	445	9.0	73	19.0	64	23.4	101	13.9	391	19.7
Ripley	400	4.1	727	7.6	108	17.2	153	10.8	209	11.0	987	12.2
St. Charles	597	3.4	2 598	5.7	154	14.0	350	12.3	174	11.3	1 569	9.4
St. Clair	552	5.0	1 895	8.9	214	14.5	313	23.4	344	9.2	1 362	10.3
Ste. Genevieve	529	4.6	1 200	9.6	183	15.7	209	21.9	221	12.9	1 114	19.1
St. Francois	491	5.6	1 121	11.0	120	20.7	214	13.4	235	12.0	694	16.8
St. Louis	184	8.1	912	6.4	41	21.8	150	9.5	70	17.0	770	8.3
Saline	763	3.5	4 950	4.1	324	8.1	1 897	7.1	564	5.4	5 143	5.0
Schuyler	356	7.8	1 611	17.1	168	15.6	474	28.5	292	10.0	1 522	16.9
Scotland	457	5.3	1 842	6.9	272	10.5	835	15.8	289	9.8	2 028	11.4
Scott	456	4.7	4 257	3.2	210	11.0	1 321	7.7	225	9.5	4 184	4.2
Shannon	386	4.6	585	11.1	71	26.9	108	45.2	224	11.9	695	18.1
Shelby	534	4.1	3 077	6.1	271	10.0	739	13.4	397	5.9	3 760	6.3
Stoddard	736	3.8	7 456	3.1	433	8.1	3 836	6.7	586	6.3	8 288	6.0
Stone	468	7.1	736	9.2	140	18.8	221	28.9	305	9.9	1 207	14.0
Sullivan	635	4.2	3 810	4.2	236	12.4	417	14.7	348	8.4	3 082	9.3
Taney	351	6.6	448	11.3	83	24.4	311	44.0	154	17.0	793	15.0
Texas	1 108	3.6	2 838	6.8	312	11.9	558	10.0	671	6.7	3 051	9.9
Vernon	999	3.3	4 283	4.1	307	10.8	914	12.9	674	6.2	3 745	6.2
Warren	481	3.5	1 382	6.1	117	18.4	208	26.6	193	14.3	1 126	15.2
Washington	388	5.3	755	7.8	70	30.2	70	43.7	179	14.9	1 335	8.9
Wayne	293	6.5	359	14.3	75	24.6	46	52.2	125	17.3	504	22.3
Webster	1 248	3.6	2 513	5.7	299	12.5	341	15.1	790	6.0	4 273	7.3
Worth	242	7.8	894	10.9	128	14.7	238	17.6	193	11.4	1 206	11.4
Wright	974	3.7	2 223	5.6	236	12.3	291	13.7	614	6.3	2 851	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	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)
Missouri	**18 556**	**1.5**	**148 276**	**1.3**	**95 852**	**.6**	**101 922**	**.7**	**87 172**	**.6**	**367 800**	**.6**
Adair	138	16.0	562	14.4	855	1.0	818	5.7	790	2.9	1 781	7.6
Andrew	169	16.1	2 086	7.9	783	1.9	873	7.0	724	3.1	2 890	5.3
Atchison	158	12.2	4 108	11.9	437	2.8	954	4.9	452	2.0	3 585	3.1
Audrain	310	8.5	4 727	8.4	974	1.4	1 282	4.9	937	2.3	5 464	5.2
Barry	269	11.7	835	12.5	1 552	1.2	1 260	3.0	1 384	2.2	5 252	3.1
Barton	195	13.4	1 192	11.8	880	1.4	1 194	6.8	828	2.1	4 430	7.3
Bates	376	8.4	2 598	8.8	1 231	1.1	1 314	5.5	1 132	2.0	4 879	3.6
Benton	138	21.3	330	15.6	776	1.8	619	5.4	668	3.9	1 602	12.9
Bollinger	99	21.0	551	14.6	833	.8	653	5.7	703	3.8	1 335	7.9
Boone	179	13.4	1 254	10.0	1 176	1.4	1 468	5.6	1 054	2.8	3 591	6.6
Buchanan	150	14.6	1 007	10.4	769	1.1	684	6.6	692	2.9	1 915	5.8
Butler	184	13.8	2 737	7.8	622	3.4	859	4.1	588	4.4	4 019	6.1
Caldwell	102	18.7	758	8.7	827	1.4	821	6.5	758	2.9	1 906	8.4
Callaway	171	15.1	1 745	18.9	1 290	1.5	1 306	5.8	1 145	2.6	3 512	3.2
Camden	100	21.6	159	26.5	575	1.4	419	8.3	524	3.2	980	9.1
Cape Girardeau	211	13.0	2 143	6.1	1 151	.8	1 140	5.3	1 045	2.5	3 398	4.0
Carroll	162	14.0	2 287	10.3	929	1.3	1 255	5.9	885	2.1	3 923	5.5
Carter	39	16.9	109	16.7	199	1.6	129	4.9	155	4.7	306	8.0
Cass	338	11.0	2 329	5.6	1 483	1.1	1 912	5.6	1 338	2.1	4 523	7.2
Cedar	162	15.4	319	19.3	838	1.7	521	8.0	716	3.5	1 604	6.2
Chariton	176	14.1	2 358	15.7	1 041	1.3	1 411	4.2	955	2.6	5 157	5.8
Christian	186	16.8	447	21.7	1 190	1.1	784	5.6	1 030	2.7	2 192	16.0
Clark	100	16.5	1 886	12.8	622	1.3	872	6.6	559	3.1	3 081	6.7
Clay	163	18.0	1 139	29.0	609	2.2	770	7.6	552	3.9	2 473	12.3
Clinton	151	14.6	1 371	7.5	759	1.1	1 036	5.0	709	2.9	2 800	7.1
Cole	117	20.6	309	11.8	1 040	.7	881	5.6	891	3.1	1 790	5.2
Cooper	141	17.9	767	14.9	856	1.6	970	3.8	831	1.8	3 069	10.3
Crawford	136	18.0	265	22.2	691	.8	519	12.0	577	3.7	1 015	8.6
Dade	179	15.0	766	13.3	763	1.7	748	6.3	730	2.9	1 882	10.9
Dallas	140	18.7	296	21.7	1 122	.9	725	10.8	1 022	2.3	2 137	8.0
Daviess	184	16.4	1 660	21.1	851	2.0	1 156	5.2	789	3.2	3 634	3.0
De Kalb	117	20.5	1 095	25.8	746	1.8	792	9.2	664	3.5	2 267	16.3
Dent	140	18.3	388	23.8	720	1.2	485	6.5	655	3.3	1 135	6.1
Douglas	161	18.0	425	20.9	1 166	1.6	706	6.7	1 055	2.8	2 388	5.5
Dunklin	244	8.7	3 955	4.0	434	3.5	1 111	4.2	452	2.4	6 824	3.0
Franklin	281	11.4	1 314	7.8	1 556	1.1	1 422	3.5	1 353	2.5	4 758	7.2
Gasconade	90	22.2	290	17.6	729	1.9	640	8.9	701	2.3	1 241	10.4
Gentry	130	16.8	1 393	15.7	651	1.8	1 126	10.1	602	2.7	3 575	5.7
Greene	428	9.2	1 296	11.0	1 881	1.4	1 482	5.4	1 732	2.2	3 229	4.3
Grundy	113	19.2	1 782	15.2	638	2.0	737	6.3	529	4.2	2 082	9.0
Harrison	196	12.1	2 038	10.4	858	1.8	1 152	4.0	773	2.9	3 290	3.7
Henry	255	11.8	1 416	12.1	886	2.0	1 003	4.2	841	2.5	3 055	6.6
Hickory	91	21.2	312	24.0	521	.7	370	5.0	464	3.9	799	7.2
Holt	110	15.5	2 229	10.7	439	2.7	750	3.8	437	2.5	2 832	5.2
Howard	110	19.0	968	5.8	702	1.0	887	7.8	644	2.7	2 476	6.8
Howell	185	15.2	686	25.2	1 596	1.2	1 028	7.7	1 416	2.4	4 864	4.0
Iron	42	24.2	65	25.7	263	3.0	155	7.2	245	4.5	1 124	6.6
Jackson	182	13.7	684	5.6	699	2.8	1 067	6.6	659	3.5	2 233	5.5
Jasper	256	11.8	1 592	6.9	1 308	1.4	1 142	5.2	1 145	2.8	6 338	2.3
Jefferson	104	21.7	364	15.9	635	1.9	532	7.1	561	3.9	524	10.7
Johnson	379	10.5	1 536	9.2	1 609	.9	1 693	4.6	1 432	2.4	4 115	5.3
Knox	81	16.3	1 145	14.7	587	1.7	880	5.7	542	4.0	3 364	9.5
Laclede	201	13.4	686	18.4	1 281	1.0	849	4.7	1 164	2.2	2 649	8.6
Lafayette	264	11.0	2 993	7.3	1 160	1.5	1 642	3.3	1 107	1.8	5 264	3.7
Lawrence	415	9.4	1 294	9.6	1 673	1.2	1 333	3.4	1 473	2.4	20 899	1.1
Lewis	137	16.5	1 465	13.2	673	2.4	956	4.8	649	2.7	3 202	3.8
Lincoln	182	14.0	1 118	10.0	958	1.5	1 317	9.4	897	2.4	3 430	5.2
Linn	219	11.3	1 135	11.7	895	1.8	933	3.9	840	2.6	3 972	7.5
Livingston	91	17.0	1 035	10.4	728	1.1	818	4.7	653	3.2	2 226	6.8
McDonald	146	17.2	1 924	2.6	1 072	.8	907	3.3	914	3.0	3 991	2.6
Macon	232	12.2	1 101	15.6	1 131	1.2	1 098	5.2	989	2.6	2 675	4.7
Madison	63	24.5	103	32.0	387	.9	285	8.1	331	5.5	559	9.8
Maries	150	16.3	458	18.9	804	1.1	628	5.0	736	2.8	1 772	6.9
Marion	149	14.7	2 368	9.7	649	2.3	742	5.4	618	3.0	2 730	5.8
Mercer	108	20.1	689	30.4	510	2.9	2 490	1.4	430	5.4	12 800	1.8
Miller	188	14.6	524	12.7	1 036	1.5	869	7.2	970	2.0	3 349	4.5
Mississippi	120	9.0	3 152	4.2	229	1.8	861	1.9	267	.9	6 440	1.6
Moniteau	194	12.6	658	9.3	1 023	.6	905	7.3	904	2.7	2 853	4.7
Monroe	160	15.3	2 490	9.1	850	2.5	1 142	6.3	786	2.6	3 488	5.5
Montgomery	163	14.7	1 564	20.4	753	1.1	858	6.7	679	2.9	3 634	16.9
Morgan	135	15.7	1 029	8.5	848	1.3	702	3.9	724	3.5	2 521	3.7
New Madrid	126	5.5	4 307	3.2	378	3.1	1 000	4.7	405	3.1	6 019	3.0
Newton	282	11.3	1 063	20.4	1 560	1.3	1 351	4.3	1 469	1.9	5 082	5.8
Nodaway	396	8.7	4 196	8.5	1 197	1.6	2 070	3.4	1 197	1.6	5 563	5.1
Oregon	71	26.7	319	24.6	777	1.7	522	8.9	711	3.1	2 000	9.6
Osage	148	15.2	558	12.3	1 133	.8	887	5.8	1 017	2.5	2 949	7.7
Ozark	137	18.5	182	24.2	771	1.4	519	5.5	693	3.2	1 762	13.1
Pemiscot	183	8.8	3 413	15.4	274	5.2	757	3.1	283	1.1	4 796	3.4
Perry	189	15.4	943	8.6	858	.7	834	6.8	779	2.9	2 549	5.6

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.											
	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)
Pettis	203	13.8	1 409	10.1	1 219	1.2	1 282	3.8	1 174	1.8	4 742	5.9
Phelps	143	19.2	458	36.5	726	2.1	460	9.1	605	4.4	1 126	7.2
Pike	102	14.6	1 361	7.2	921	1.5	1 271	5.8	837	2.5	4 262	5.9
Platte	147	14.2	1 361	5.4	681	1.6	820	6.4	639	2.2	2 077	4.1
Polk	358	10.6	978	14.5	1 494	1.7	978	6.0	1 415	2.3	3 515	3.9
Pulaski	64	25.7	208	23.2	512	2.6	272	8.5	465	4.1	940	7.8
Putnam	69	24.3	510	6.0	605	1.6	869	7.6	529	3.7	1 446	6.5
Ralls	144	14.2	1 858	16.0	519	2.8	545	4.9	465	4.5	2 237	3.8
Randolph	137	16.8	593	18.5	772	1.9	587	4.7	643	4.0	1 874	7.1
Ray	156	16.2	989	14.2	1 053	1.2	1 158	4.2	925	2.8	2 549	4.2
Reynolds	17	34.2	35	47.2	303	1.3	223	5.7	253	4.4	458	9.7
Ripley	40	29.8	163	22.3	467	1.4	349	10.2	394	3.4	824	9.1
St. Charles	98	16.6	1 132	2.3	648	2.2	1 000	5.9	590	3.4	2 619	4.7
St. Clair	159	17.9	852	21.7	760	1.5	680	6.3	722	2.5	1 707	8.7
Ste. Genevieve	91	22.9	494	9.0	616	1.7	622	5.9	565	3.5	1 305	6.7
St. Francois	52	28.2	215	9.0	643	1.3	520	8.7	556	3.4	1 557	12.4
St. Louis	57	17.5	500	17.9	262	3.7	416	9.9	237	4.9	3 231	1.9
Saline	230	11.0	2 307	6.0	900	1.6	1 203	4.0	883	2.2	5 937	2.8
Schuyler	98	24.6	406	29.2	464	3.4	561	10.1	423	4.6	1 192	9.1
Scotland	140	15.3	1 285	11.5	567	2.7	852	5.8	542	3.2	2 709	11.5
Scott	124	12.3	3 648	4.2	517	2.2	775	3.4	469	4.0	3 412	2.4
Shannon	63	26.5	78	33.5	465	1.2	288	7.2	400	4.4	537	12.2
Shelby	163	12.6	1 735	6.5	625	1.8	1 047	5.6	611	2.2	5 135	5.0
Stoddard	256	10.1	9 659	3.6	895	2.2	1 729	3.6	859	2.4	8 022	2.8
Stone	126	18.5	311	19.1	663	2.2	380	6.1	551	5.2	1 264	9.8
Sullivan	231	10.4	1 403	13.4	765	1.7	1 164	4.9	676	3.4	4 882	3.4
Taney	80	27.1	91	24.8	450	1.6	344	10.0	376	4.8	697	8.7
Texas	232	13.9	595	16.7	1 451	1.0	888	4.5	1 318	2.1	3 500	6.2
Vernon	282	11.2	1 988	10.1	1 241	1.2	1 183	4.2	1 112	2.5	8 688	1.7
Warren	72	22.8	1 008	21.7	529	2.6	574	7.7	483	3.5	2 155	3.6
Washington	52	34.9	123	49.3	499	.9	398	9.1	446	3.6	3 083	1.4
Wayne	40	35.5	163	30.3	375	1.9	307	7.5	340	4.3	424	8.7
Webster	222	13.5	598	8.8	1 652	1.1	1 156	5.1	1 488	2.2	3 713	4.1
Worth	90	17.0	441	28.3	328	3.9	430	6.2	291	5.2	905	8.7
Wright	151	16.1	490	16.5	1 309	1.1	805	4.8	1 140	2.6	3 265	4.8

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)
Missouri	**98 856**	**.6**	**1 097 695**	**.9**	**87 092**	**.6**	**19 229 468**	**.5**	**72 316**	**.6**	**12 449 272**	**.4**
Adair	861	.9	4 397	13.9	757	.8	171 090	1.4	640	1.0	91 350	1.4
Andrew	820	.7	12 972	7.0	771	.7	177 991	1.0	660	.9	130 593	1.0
Atchison	471	.8	22 780	5.1	442	.7	255 799	.8	417	.8	212 683	.7
Audrain	1 005	.6	19 901	6.4	917	.6	315 545	.7	810	.7	263 791	.7
Barry	1 599	.7	5 097	22.9	1 304	.7	162 805	1.1	1 033	.8	73 191	1.2
Barton	896	.8	14 506	7.6	800	.8	252 224	1.1	677	.9	178 455	1.0
Bates	1 249	.7	18 640	3.9	1 097	.7	296 710	.9	910	.8	197 101	.9
Benton	803	.7	2 795	33.2	706	.7	124 222	1.2	609	.9	70 029	1.2
Bollinger	833	.8	2 974	15.9	759	.7	116 918	1.3	666	.9	66 480	1.5
Boone	1 226	.7	4 380	20.1	1 078	.7	172 477	1.1	885	.8	105 771	1.3
Buchanan	776	.8	12 782	7.1	714	.7	145 343	1.2	630	.8	107 657	1.3
Butler	678	.9	15 569	6.6	609	.9	218 436	.8	531	1.0	196 141	.8
Caldwell	844	.8	7 447	10.7	777	.8	163 962	1.2	641	.9	99 216	1.3
Callaway	1 338	.6	11 094	10.9	1 187	.6	210 037	.8	995	.7	133 914	1.0
Camden	583	.9	1 131	56.0	464	.9	70 672	1.6	355	1.2	24 587	1.8
Cape Girardeau	1 162	.6	7 723	10.3	1 065	.5	196 914	.7	926	.6	135 528	.8
Carroll	952	.6	16 364	5.4	887	.6	324 102	.7	747	.7	241 641	.7
Carter	202	1.6	106	(H)	151	1.6	19 986	3.3	111	2.3	8 023	3.3
Cass	1 518	.7	14 081	8.1	1 307	.7	229 181	1.0	1 090	.8	153 381	.9
Cedar	865	.8	2 299	29.1	752	.7	111 069	1.3	607	.9	51 817	1.4
Chariton	1 071	.7	22 456	6.1	994	.6	332 183	.8	868	.7	244 969	.8
Christian	1 209	.7	3 259	29.2	1 016	.7	115 022	1.2	778	.9	51 100	1.4
Clark	634	.9	8 428	11.5	605	.7	183 893	.9	499	.9	129 278	.9
Clay	635	.8	3 438	12.6	542	.8	92 908	1.4	441	1.1	61 266	1.7
Clinton	768	.8	4 785	10.9	688	.8	155 978	1.1	565	.9	98 875	1.1
Cole	1 044	.7	2 417	25.6	921	.7	97 564	1.0	796	.8	52 395	1.1
Cooper	879	.8	11 094	15.4	806	.7	223 680	1.0	713	.9	154 946	1.1
Crawford	691	.8	236	(H)	566	.8	81 650	1.6	456	1.0	28 513	1.5
Dade	808	.8	4 756	17.3	691	.8	159 200	1.3	568	.9	84 264	1.4
Dallas	1 130	.7	1 815	46.8	992	.7	126 629	1.2	819	.8	53 612	1.2
Daviess	885	.8	19 110	5.7	802	.8	209 028	1.2	635	1.0	134 711	1.2
De Kalb	768	.9	6 575	17.3	717	.8	161 773	1.3	572	1.1	90 236	1.4
Dent	727	.7	–580	90.4	613	.8	95 774	1.5	479	1.0	28 879	1.7
Douglas	1 206	.7	4 421	20.6	988	.8	134 533	1.2	736	1.0	43 247	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	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)
Dunklin	473	.7	37 278	2.5	459	.6	302 816	.4	442	.7	292 912	.4
Franklin	1 592	.6	7 109	10.6	1 428	.5	180 438	.8	1 263	.6	105 162	1.0
Gasconade	761	.7	991	42.3	715	.6	96 004	1.0	627	.8	51 492	1.2
Gentry	667	.8	13 614	5.5	619	.8	190 737	1.2	461	1.1	106 226	1.2
Greene	1 996	.7	496	(H)	1 675	.7	183 177	1.0	1 307	.8	84 412	1.2
Grundy	669	.8	8 291	10.9	605	.8	170 172	1.1	457	1.0	107 996	1.2
Harrison	900	.8	11 226	6.3	803	.8	255 343	1.0	617	1.0	150 491	1.0
Henry	938	.7	7 748	13.6	841	.7	234 641	1.1	707	.9	138 470	1.2
Hickory	521	.7	1 510	28.8	457	.7	84 509	1.4	400	.9	39 027	1.6
Holt	465	.8	14 717	5.9	441	.8	204 136	.8	415	.8	176 539	.8
Howard	708	.7	7 091	10.8	659	.7	158 770	1.1	563	.8	104 701	1.1
Howell	1 637	.7	4 577	26.0	1 346	.7	161 888	1.1	989	.9	55 070	1.1
Iron	274	1.2	377	48.7	240	.9	29 279	2.2	178	1.5	9 549	2.6
Jackson	767	.8	7 296	12.2	661	.8	114 401	1.1	525	1.0	88 107	1.1
Jasper	1 354	.8	11 251	8.7	1 112	.8	180 041	1.2	936	.9	109 753	1.3
Jefferson	659	.8	1 204	53.3	579	.7	56 789	1.3	490	.9	31 874	1.4
Johnson	1 626	.7	6 613	19.6	1 457	.7	279 405	.9	1 263	.7	169 554	1.0
Knox	602	.9	6 779	15.1	562	.8	207 498	1.1	457	1.0	123 536	1.1
Laclede	1 300	.7	1 575	44.7	1 100	.7	165 630	1.1	864	.8	63 406	1.1
Lafayette	1 214	.7	27 681	5.1	1 116	.6	286 203	.7	1 021	.7	241 084	.7
Lawrence	1 732	.6	20 692	5.9	1 494	.6	222 914	.9	1 244	.7	117 031	1.0
Lewis	719	.7	8 397	10.3	676	.7	190 404	1.0	535	.9	134 459	1.0
Lincoln	990	.7	12 874	6.2	895	.6	187 747	.9	762	.7	142 215	1.0
Linn	932	.8	10 483	7.9	840	.7	250 578	.9	637	.9	127 520	1.0
Livingston	738	.9	12 253	5.2	697	.7	212 674	1.0	581	.9	159 594	1.0
McDonald	1 078	.7	12 817	6.4	858	.7	97 072	1.1	687	.9	45 387	1.4
Macon	1 155	.7	7 828	13.7	1 055	.7	249 412	1.0	842	.8	139 799	1.1
Madison	387	.9	733	37.0	350	.9	47 509	2.0	295	1.1	22 334	2.2
Maries	816	.7	415	(H)	722	.6	104 603	1.2	603	.8	45 219	1.4
Marion	694	.7	10 831	6.6	643	.7	163 886	1.0	531	.9	120 978	1.1
Mercer	538	.8	34 512	1.6	480	.8	158 660	1.3	375	1.2	82 130	1.2
Miller	1 067	.6	6 573	10.6	917	.6	118 260	1.1	762	.7	51 279	1.1
Mississippi	267	.9	30 436	2.7	261	.6	254 735	.4	256	.7	248 960	.4
Moniteau	1 024	.6	5 342	14.4	888	.6	147 340	.9	752	.7	79 735	.9
Monroe	886	.9	10 779	11.1	807	.8	239 756	1.0	656	.9	174 470	1.0
Montgomery	765	.7	7 617	14.4	690	.6	170 945	1.0	605	.8	133 311	1.1
Morgan	869	.6	2 288	28.5	719	.6	111 963	1.1	639	.7	64 945	1.0
New Madrid	429	.7	39 964	2.0	415	.6	375 046	.3	409	.6	358 571	.3
Newton	1 622	.6	–2 720	28.0	1 369	.6	168 210	1.2	1 082	.7	80 256	1.4
Nodaway	1 257	.7	20 655	7.4	1 167	.7	396 224	.8	1 055	.7	266 664	.8
Oregon	799	.8	2 924	31.9	610	.9	100 227	1.7	444	1.2	31 719	1.7
Osage	1 147	.6	5 998	13.8	1 027	.6	140 365	1.0	916	.6	70 338	1.1
Ozark	781	.7	422	(H)	616	.8	85 160	1.4	468	1.1	25 587	1.8
Pemiscot	306	1.0	36 854	5.1	300	.6	290 872	.4	300	.6	284 918	.4
Perry	858	.7	5 430	19.2	786	.6	130 782	1.0	672	.7	88 162	1.1
Pettis	1 249	.7	18 654	6.1	1 114	.6	262 504	.9	967	.7	184 121	.9
Phelps	757	.9	–897	59.1	630	.8	84 349	1.6	503	1.1	29 619	1.9
Pike	945	.8	12 610	8.0	847	.7	217 531	.9	732	.9	162 088	.9
Platte	714	.8	11 998	6.0	648	.7	138 771	.9	571	.8	108 391	.9
Polk	1 576	.6	4 911	14.6	1 354	.6	208 920	.9	1 150	.7	103 484	1.0
Pulaski	538	.9	1 909	26.7	453	.9	65 301	1.8	341	1.3	22 457	1.8
Putnam	615	.8	2 484	24.0	531	.8	154 115	1.3	455	.9	70 210	1.3
Ralls	550	.8	11 307	5.6	510	.7	172 335	1.1	429	.9	135 318	1.1
Randolph	801	.8	2 667	36.1	710	.8	143 278	1.3	565	1.0	88 521	1.4
Ray	1 074	.7	9 936	7.3	969	.7	202 336	1.0	797	.8	144 291	1.0
Reynolds	303	1.3	–293	64.1	252	.9	33 573	2.1	196	1.3	11 046	2.4
Ripley	473	1.0	845	53.6	407	1.0	69 980	1.7	307	1.4	37 027	2.0
St. Charles	680	.6	15 025	3.7	629	.5	147 957	.8	560	.6	128 915	.8
St. Clair	779	.8	4 563	23.3	678	.8	162 322	1.4	570	1.0	94 376	1.5
Ste. Genevieve	631	.7	2 695	18.4	573	.7	85 740	1.0	505	.8	54 819	1.1
St. Francois	650	.9	636	68.7	579	.9	60 660	1.6	494	1.0	29 661	2.0
St. Louis	291	1.0	5 434	14.3	248	1.1	31 010	2.2	191	1.5	21 675	2.7
Saline	936	.7	32 554	3.6	889	.6	347 163	.6	807	.7	294 357	.6
Schuyler	492	.9	1 776	50.0	446	.9	111 004	1.7	378	1.2	55 274	1.6
Scotland	599	.9	9 355	9.3	550	.8	165 250	1.3	459	1.1	108 128	1.3
Scott	541	.9	21 916	3.1	502	.7	222 943	.6	447	.9	205 852	.6
Shannon	470	.9	–396	74.1	404	.9	50 880	1.8	279	1.4	17 339	2.1
Shelby	644	.8	15 143	6.8	582	.8	210 423	.8	519	.9	159 455	.9
Stoddard	942	.6	38 018	5.4	869	.6	415 057	.4	736	.8	378 553	.4
Stone	684	.9	1 712	25.7	534	1.0	62 311	1.7	363	1.4	19 648	1.9
Sullivan	792	.8	64 255	1.0	698	.7	211 948	1.2	540	1.0	93 832	1.2
Taney	459	.9	–278	(H)	327	1.2	39 891	2.2	245	1.6	15 436	1.7
Texas	1 478	.7	3 486	26.8	1 271	.7	205 845	.9	999	.8	72 865	1.1
Vernon	1 267	.7	13 926	8.1	1 079	.7	273 611	1.0	874	.9	176 589	1.0
Warren	555	.6	3 054	17.6	497	.6	84 905	1.2	418	.8	65 248	1.4
Washington	499	.9	4 958	6.9	452	.8	52 971	1.7	358	1.1	18 772	1.8
Wayne	380	1.2	–555	75.3	321	1.1	38 060	2.4	268	1.4	17 068	2.6
Webster	1 691	.7	4 025	25.8	1 454	.7	165 633	1.0	1 181	.8	70 710	1.1
Worth	356	.8	2 668	14.7	324	.8	104 935	1.5	259	1.2	48 680	1.6
Wright	1 330	.7	6 521	15.7	1 119	.7	163 437	1.2	898	.8	62 865	1.2

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	Irrigated land				Livestock and poultry							
					Cattle and calves inventory				Beef cows inventory			
	Farms		Acres		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)
Missouri	**2 891**	**.6**	**881 924**	**.2**	**67 198**	**.6**	**4 312 716**	**.5**	**57 935**	**.6**	**2 023 187**	**.6**
Adair	2	27.3	(D)	(D)	574	1.1	38 416	1.6	526	1.2	21 431	1.6
Andrew	8	8.8	106	.9	461	1.2	24 598	1.6	375	1.5	10 980	2.0
Atchison	21	4.2	5 543	1.0	203	1.7	17 068	1.9	170	2.0	(D)	(D)
Audrain	70	2.5	15 969	1.8	550	1.0	40 567	1.0	413	1.2	12 523	1.5
Barry	12	9.6	458	12.5	1 340	.7	86 127	.9	1 197	.8	41 178	1.1
Barton	41	3.5	8 843	1.6	612	1.0	42 893	1.3	545	1.1	21 166	1.4
Bates	15	8.4	737	8.7	908	.8	81 341	1.2	832	.9	41 880	1.1
Benton	6	13.0	211	22.6	650	.8	39 610	1.2	567	.9	20 133	1.4
Bollinger	24	5.4	6 670	5.1	645	.9	31 859	1.6	580	1.0	17 662	1.8
Boone	31	4.3	4 270	2.0	705	1.0	39 785	1.1	614	1.1	16 351	1.6
Buchanan	8	10.3	47	15.9	363	1.4	17 944	1.9	310	1.5	8 375	2.1
Butler	236	1.7	108 229	.9	280	1.7	15 354	2.9	242	1.9	5 702	3.4
Caldwell	3	19.9	(D)	(D)	489	1.2	24 077	1.6	445	1.3	12 816	1.7
Callaway	36	3.7	4 499	1.6	873	.8	48 292	1.1	776	.9	23 360	1.3
Camden	6	12.3	109	16.3	486	.9	29 561	1.2	429	1.0	14 455	1.5
Cape Girardeau	46	3.3	9 415	1.4	795	.7	46 205	1.0	666	.9	18 222	1.3
Carroll	13	5.2	2 068	1.0	444	1.2	31 091	1.3	387	1.3	14 225	1.5
Carter	2	17.2	(D)	(D)	168	1.3	9 489	3.4	153	1.6	(D)	(D)
Cass	42	4.3	5 116	2.7	970	.8	48 065	1.5	879	.9	25 963	1.5
Cedar	5	11.6	6	13.7	701	.8	46 327	1.3	652	.9	24 512	1.4
Chariton	15	5.5	1 378	.8	547	1.1	53 138	1.0	481	1.2	17 509	1.5
Christian	12	10.2	131	14.5	957	.8	55 456	1.2	798	.9	25 512	1.5
Clark	11	8.7	1 834	3.9	318	1.4	19 522	1.9	282	1.6	10 142	1.9
Clay	15	8.4	171	14.4	362	1.3	21 366	2.0	298	1.5	9 315	2.5
Clinton	7	13.9	15	19.4	457	1.2	33 454	1.5	383	1.3	14 904	1.6
Cole	14	8.5	295	14.8	860	.8	38 384	1.1	787	.8	19 788	1.1
Cooper	5	12.4	35	12.6	577	1.0	46 807	1.3	513	1.2	21 001	1.6
Crawford	6	15.3	95	22.2	547	.8	26 637	1.4	500	.9	15 777	1.6
Dade	19	4.8	3 987	.3	682	.8	58 469	1.2	615	.9	31 144	1.3
Dallas	15	7.7	365	10.7	922	.7	54 478	1.1	719	.9	22 343	1.4
Daviess	4	17.7	207	29.9	457	1.3	31 521	1.5	395	1.4	15 965	1.7
De Kalb	4	10.2	(D)	(D)	456	1.3	33 411	1.9	408	1.4	15 227	2.2
Dent	6	12.2	75	20.3	591	.8	34 935	1.2	538	.9	19 584	1.3
Douglas	11	10.2	41	23.3	1 046	.7	60 587	1.1	844	.9	24 879	1.6
Dunklin	207	1.4	87 410	.6	64	3.7	2 244	3.5	60	3.9	(D)	(D)
Franklin	24	5.8	636	2.4	1 140	.7	46 254	.9	1 017	.7	21 416	1.0
Gasconade	13	8.2	304	4.8	584	.8	29 629	1.6	525	.9	14 428	1.4
Gentry	4	21.2	(D)	(D)	387	1.2	35 732	1.4	347	1.4	18 249	1.5
Greene	47	4.6	275	9.2	1 570	.7	79 119	.9	1 298	.8	36 097	1.1
Grundy	9	11.4	671	13.8	332	1.4	21 044	1.8	280	1.5	9 952	2.0
Harrison	–	–	–	–	528	1.1	49 270	1.4	487	1.2	25 626	1.5
Henry	13	8.3	1 133	10.0	702	.9	61 936	1.1	613	1.0	29 501	1.3
Hickory	5	11.5	624	.2	448	.8	33 418	1.3	398	.9	15 939	1.6
Holt	25	4.2	9 086	1.5	170	2.0	10 935	2.2	149	2.1	(D)	(D)
Howard	10	8.3	2 674	3.8	414	1.2	30 097	1.6	364	1.3	13 894	2.0
Howell	15	7.8	109	6.7	1 399	.7	97 601	.9	1 113	.8	39 261	1.1
Iron	5	12.7	47	24.1	226	1.1	9 810	2.2	208	1.2	5 054	2.9
Jackson	32	4.6	600	2.1	368	1.4	14 307	2.0	299	1.7	6 035	2.4
Jasper	20	5.4	5 646	3.2	1 013	.9	52 965	1.3	894	1.0	25 415	1.3
Jefferson	25	5.8	148	9.8	393	1.1	14 489	1.5	339	1.3	6 077	1.8
Johnson	12	8.6	654	3.8	1 113	.8	76 172	1.1	1 002	.9	36 780	1.2
Knox	5	10.6	427	6.6	313	1.5	31 563	1.6	257	1.7	14 886	1.8
Laclede	19	6.9	138	11.3	1 075	.7	66 466	1.0	895	.8	28 018	1.4
Lafayette	15	6.2	1 580	3.2	754	.9	51 555	.8	653	1.0	17 571	1.2
Lawrence	27	5.1	1 075	4.6	1 431	.6	102 713	.8	1 155	.7	41 753	1.2
Lewis	4	11.5	(D)	(D)	351	1.3	25 857	1.2	291	1.5	11 473	1.5
Lincoln	27	5.3	1 813	3.8	513	1.1	27 308	1.4	434	1.2	11 404	1.7
Linn	9	7.8	625	8.9	593	.9	57 866	1.1	519	1.0	25 747	1.2
Livingston	9	9.7	573	9.0	362	1.4	21 232	1.5	315	1.5	10 357	1.8
McDonald	8	10.3	329	1.3	901	.7	55 958	.9	796	.8	25 406	1.1
Macon	7	14.6	47	22.2	701	1.0	45 571	1.3	622	1.1	24 203	1.4
Madison	1	32.5	(D)	(D)	314	1.0	18 439	1.9	268	1.3	8 915	2.3
Maries	12	8.3	141	9.3	704	.7	45 629	1.1	639	.7	23 488	1.2
Marion	19	5.9	3 896	3.9	381	1.3	23 122	1.6	316	1.5	10 555	1.8
Mercer	5	16.9	(D)	(D)	335	1.3	26 850	2.0	307	1.4	14 060	2.2
Miller	16	1.8	696	4.1	882	.6	55 533	.9	790	.7	28 947	.9
Mississippi	114	1.6	69 919	.7	28	4.4	2 286	1.0	22	4.9	(D)	(D)
Moniteau	25	5.8	61	7.1	823	.6	57 547	.9	709	.8	25 763	1.2
Monroe	17	5.3	2 955	1.8	502	1.2	38 492	1.4	437	1.3	18 261	1.5
Montgomery	16	6.5	1 381	3.4	402	1.2	21 798	1.8	363	1.3	10 589	1.8
Morgan	23	5.7	221	5.0	681	.7	43 794	1.0	554	.9	21 531	1.2
New Madrid	261	1.1	150 444	.5	17	7.0	1 617	3.7	13	8.0	(D)	(D)
Newton	31	6.0	222	19.6	1 309	.6	69 991	1.1	1 118	.7	34 187	1.3
Nodaway	10	7.7	499	1.9	847	.9	69 717	1.0	782	.9	36 249	1.0
Oregon	6	14.7	41	4.5	674	.8	52 462	1.2	569	1.0	24 603	1.5
Osage	18	6.3	1 052	4.6	948	.6	64 427	1.0	871	.7	32 216	1.0
Ozark	15	7.9	222	13.8	660	.7	51 965	1.0	545	.9	21 838	1.3
Pemiscot	96	1.0	49 416	.3	11	10.2	481	15.4	11	10.2	259	16.3
Perry	3	14.9	16	20.6	610	.8	35 305	1.6	479	1.0	13 245	1.4

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	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)
Pettis	12	8.6	627	.7	841	.8	58 879	1.2	720	1.0	27 142	1.4
Phelps	12	9.3	122	21.8	599	.9	31 497	1.5	543	1.0	16 684	1.6
Pike	12	7.9	1 311	3.8	506	1.2	33 825	1.4	414	1.4	14 440	1.8
Platte	12	6.8	1 060	3.8	330	1.4	14 500	2.2	291	1.5	7 813	2.3
Polk	21	6.2	1 169	6.3	1 327	.6	96 164	.8	1 101	.7	42 932	.9
Pulaski	6	11.1	122	14.2	429	1.0	26 151	2.0	380	1.2	12 356	1.8
Putnam	2	23.8	(D)	(D)	424	1.0	48 562	1.2	374	1.2	21 695	1.4
Ralls	9	7.1	1 216	6.0	292	1.4	18 908	1.8	262	1.5	9 129	2.1
Randolph	9	9.5	737	10.9	450	1.2	26 766	1.7	401	1.3	15 044	1.5
Ray	16	6.9	2 515	3.2	640	1.0	33 836	1.3	564	1.1	15 899	1.6
Reynolds	4	14.5	48	15.6	234	1.1	10 938	1.4	196	1.3	6 215	1.5
Ripley	32	5.0	8 049	2.1	365	1.1	20 103	1.7	331	1.3	10 886	1.8
St. Charles	30	4.5	1 651	1.6	245	1.5	9 506	2.2	202	1.8	4 017	3.4
St. Clair	8	11.2	258	14.4	647	.8	51 176	1.5	605	.9	26 373	1.5
Ste. Genevieve	8	12.2	56	17.4	467	.9	24 831	1.4	400	1.1	12 986	1.4
St. Francois	13	8.8	631	13.9	497	1.0	22 549	1.7	436	1.2	11 871	1.8
St. Louis	49	3.0	748	2.6	53	4.4	1 040	5.4	44	4.8	(D)	(D)
Saline	6	9.9	2 263	2.1	489	1.1	38 883	1.1	412	1.3	17 787	1.1
Schuyler	1	44.0	(D)	(D)	343	1.3	25 193	2.0	313	1.4	13 865	2.1
Scotland	5	13.4	(D)	(D)	332	1.4	23 524	2.0	259	1.8	9 766	2.3
Scott	134	1.8	65 944	.5	229	1.7	8 506	2.1	194	2.0	3 843	2.9
Shannon	5	12.9	5	12.9	412	.8	21 618	1.9	365	1.0	11 433	1.8
Shelby	11	4.6	2 027	3.1	342	1.3	27 447	1.3	293	1.5	(D)	(D)
Stoddard	314	1.2	203 790	.4	317	1.6	13 372	2.8	273	1.8	(D)	(D)
Stone	9	12.5	50	10.6	579	.9	32 448	1.5	483	1.1	14 936	1.8
Sullivan	2	17.8	(D)	(D)	559	1.0	51 407	1.3	506	1.1	29 410	1.3
Taney	6	12.7	65	4.7	367	1.0	23 271	1.6	335	1.1	13 033	1.9
Texas	12	8.2	372	3.7	1 262	.7	93 152	.8	1 055	.8	44 116	1.0
Vernon	23	4.6	4 407	.7	894	.9	57 954	1.4	803	.9	30 445	1.4
Warren	18	6.7	1 065	9.5	304	1.2	12 816	1.6	263	1.3	5 732	1.7
Washington	6	13.4	69	14.1	418	.9	18 669	1.6	364	1.1	9 317	1.7
Wayne	–	–	–	–	299	1.3	12 873	2.6	267	1.4	6 955	2.4
Webster	18	6.9	132	7.2	1 375	.7	68 610	.9	1 005	.9	25 533	1.5
Worth	1	30.0	(D)	(D)	228	1.4	22 198	1.6	213	1.5	11 733	1.6
Wright	10	9.0	524	11.4	1 134	.7	74 144	1.0	826	.9	25 859	1.6

Livestock and poultry—Con.

Geographic area	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Missouri	**4 175**	**.7**	**174 669**	**.6**	**5 419**	**.6**	**3 546 972**	**.2**	**1 984**	**.9**	**76 956**	**1.3**
Adair	24	6.8	460	7.2	33	6.1	5 920	4.1	38	5.8	1 767	11.1
Andrew	36	4.7	1 630	3.3	65	3.6	11 463	2.7	25	6.5	1 137	9.0
Atchison	3	17.6	(D)	(D)	30	4.4	5 067	3.8	13	8.3	164	17.0
Audrain	75	3.4	1 642	4.2	121	2.4	46 198	1.2	56	4.0	1 219	6.6
Barry	105	2.8	5 183	2.3	39	4.7	9 990	1.3	18	8.3	709	13.3
Barton	21	7.3	878	5.2	45	3.8	61 635	.7	12	10.1	581	13.2
Bates	56	4.3	1 775	4.4	57	3.9	23 762	2.1	17	8.0	819	14.2
Benton	40	4.6	1 435	4.6	25	5.2	10 778	3.4	15	8.1	747	10.4
Bollinger	12	9.4	129	3.4	65	3.7	13 323	3.3	9	12.1	201	15.5
Boone	13	8.2	541	4.3	48	4.4	22 426	1.9	48	4.7	2 222	5.1
Buchanan	24	6.3	852	4.3	48	4.2	6 054	3.9	12	10.0	342	19.1
Butler	4	16.5	14	15.4	10	11.4	133	14.4	2	32.3	(D)	(D)
Caldwell	13	8.6	285	8.8	55	4.1	21 575	2.0	32	6.0	1 162	7.9
Callaway	30	5.5	900	4.6	67	3.3	74 728	.7	29	5.8	1 138	9.0
Camden	23	5.5	1 056	4.2	22	6.6	7 790	1.6	11	10.8	280	13.5
Cape Girardeau	49	3.5	3 060	1.9	84	2.9	19 263	2.3	7	12.4	161	14.0
Carroll	23	6.9	577	8.0	68	3.1	25 066	1.9	27	5.6	1 349	3.5
Carter	7	12.5	(D)	(D)	11	8.4	5 864	.7	2	32.4	(D)	(D)
Cass	27	6.1	1 031	7.1	62	4.0	29 371	1.2	31	5.8	770	8.4
Cedar	31	5.3	880	4.6	33	4.5	20 106	.4	19	7.2	486	16.5
Chariton	9	10.7	187	14.9	65	3.4	32 579	2.0	27	6.0	1 640	3.9
Christian	70	3.4	2 901	2.7	19	7.7	348	15.5	15	8.4	438	18.0
Clark	16	8.8	303	11.2	46	4.6	8 955	3.4	22	7.2	945	8.6
Clay	9	10.5	71	15.2	20	6.6	11 654	1.1	14	9.6	271	11.9
Clinton	15	7.0	482	7.5	62	3.6	15 309	2.8	23	6.8	1 337	8.6
Cole	37	5.1	987	5.0	60	3.6	30 407	1.6	13	9.4	216	7.1
Cooper	31	5.9	703	5.3	67	3.4	29 187	1.8	15	9.3	320	12.7
Crawford	21	7.1	170	6.8	16	7.6	2 898	5.7	10	10.5	609	19.6
Dade	18	6.6	1 035	4.7	14	6.9	7 695	5.0	11	9.5	286	17.9
Dallas	134	2.5	6 427	2.3	41	4.6	330	7.2	27	6.4	1 082	8.5
Daviess	28	6.6	518	5.4	44	4.4	(D)	(D)	19	7.8	588	8.6
De Kalb	24	6.3	918	4.3	43	4.8	10 277	3.5	20	7.9	845	8.5
Dent	18	7.5	196	15.0	26	6.4	1 237	10.5	23	6.8	666	9.7
Douglas	158	2.4	8 056	2.3	33	6.1	865	26.3	14	8.2	490	14.0

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	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)
Dunklin	1	41.2	(D)	(D)	2	30.6	(D)	(D)	1	41.2	(D)	(D)
Franklin	48	3.7	2 447	2.0	141	2.2	74 604	1.0	30	5.6	715	10.8
Gasconade	19	6.9	667	5.1	57	3.6	34 059	1.3	13	8.2	215	9.9
Gentry	18	7.6	385	10.7	61	3.3	139 106	.3	27	6.4	653	7.6
Greene	79	3.2	4 383	2.5	37	5.2	4 545	3.1	24	6.1	701	8.7
Grundy	18	7.0	503	7.8	32	5.7	4 771	6.3	18	7.6	654	14.1
Harrison	21	7.4	519	9.0	35	4.8	59 589	.4	32	6.5	1 299	8.8
Henry	23	6.6	1 186	4.3	28	5.8	34 606	.9	16	8.5	533	15.1
Hickory	34	4.5	2 470	3.0	9	10.5	1 074	12.3	7	13.5	88	19.5
Holt	2	25.4	(D)	(D)	44	4.0	15 070	3.0	7	11.6	276	12.1
Howard	11	8.0	286	6.5	40	4.4	10 563	4.3	15	8.3	876	13.5
Howell	121	2.7	5 834	2.0	49	4.6	10 255	2.3	19	7.9	518	18.1
Iron	4	16.5	5	16.4	7	10.2	(D)	(D)	1	33.7	(D)	(D)
Jackson	11	9.8	181	12.6	16	7.7	829	26.5	15	8.5	2 106	1.4
Jasper	54	4.4	2 371	3.7	38	5.2	13 044	.3	30	6.0	859	9.7
Jefferson	18	6.0	1 021	2.2	28	5.6	1 108	7.8	6	13.4	96	19.6
Johnson	37	5.2	1 154	4.3	72	3.8	11 566	4.2	30	5.9	1 162	4.8
Knox	32	5.5	1 564	4.3	47	4.1	15 311	3.2	28	6.5	1 140	8.4
Laclede	132	2.3	8 532	1.8	35	5.1	3 290	4.4	16	8.4	1 182	7.0
Lafayette	41	4.3	1 545	3.3	137	2.0	68 933	.9	20	7.1	834	11.3
Lawrence	161	2.0	9 121	1.6	46	4.6	3 649	5.9	23	6.4	1 092	8.2
Lewis	19	7.4	300	6.4	51	3.8	19 357	1.8	17	7.0	504	8.5
Lincoln	20	5.9	1 185	3.8	114	2.5	38 409	2.1	24	6.1	755	10.1
Linn	21	6.4	878	3.6	61	3.0	27 497	1.5	35	5.2	1 413	7.2
Livingston	16	8.0	260	11.4	44	4.5	4 040	4.4	22	6.5	761	7.4
McDonald	55	4.0	1 996	4.3	37	5.2	(D)	(D)	12	9.8	209	16.1
Macon	38	5.7	573	8.3	49	4.4	11 821	3.5	37	5.6	1 572	7.6
Madison	7	12.9	39	15.9	20	6.5	7 872	.7	4	11.7	210	11.8
Maries	25	5.8	723	6.6	52	3.5	28 645	2.1	12	8.5	205	9.8
Marion	27	5.6	1 097	5.2	57	3.6	30 150	1.6	17	8.0	720	16.4
Mercer	11	9.2	247	6.5	21	7.7	(D)	(D)	13	10.1	495	16.0
Miller	16	7.1	447	5.2	78	2.4	106 410	.6	6	13.2	144	16.1
Mississippi	1	–	(D)	(D)	1	48.5	(D)	(D)	–	–	–	–
Moniteau	59	3.4	1 583	3.3	85	2.5	20 707	1.8	11	9.7	320	14.6
Monroe	38	5.2	879	4.9	96	2.5	67 484	.9	26	6.8	1 540	12.5
Montgomery	14	9.3	99	18.6	93	2.7	36 045	1.5	17	7.8	1 304	11.2
Morgan	75	3.0	1 967	3.3	71	2.7	32 480	1.4	12	9.3	143	13.5
New Madrid	1	48.7	(D)	(D)	4	19.5	(D)	(D)	–	–	–	–
Newton	84	3.3	4 827	2.9	58	3.7	2 008	16.5	31	5.6	691	12.7
Nodaway	26	5.2	495	4.4	147	2.2	56 445	1.6	35	5.1	1 007	6.8
Oregon	40	4.8	1 531	4.2	37	5.2	9 999	2.1	8	12.8	285	14.0
Osage	28	4.8	1 000	4.7	161	2.0	83 324	1.3	12	8.5	427	10.4
Ozark	74	3.3	4 817	2.5	23	6.6	2 600	4.4	10	9.9	124	10.5
Pemiscot	–	–	–	–	–	–	–	–	–	–	–	–
Perry	37	4.2	1 706	3.7	94	2.6	20 212	2.8	6	12.9	211	14.3
Pettis	46	4.6	1 216	5.9	105	2.6	66 105	1.2	22	7.1	654	10.5
Phelps	15	7.8	235	6.8	16	8.5	3 466	14.2	12	9.9	801	27.1
Pike	26	7.3	332	6.7	122	2.5	47 339	1.5	18	8.1	1 063	20.1
Platte	7	11.7	59	14.3	22	5.9	10 068	1.5	13	8.5	251	10.7
Polk	121	2.3	8 321	1.6	48	4.5	6 897	5.3	17	8.0	319	11.8
Pulaski	14	8.8	373	2.4	24	6.8	(D)	(D)	6	14.3	44	17.4
Putnam	12	9.5	453	6.6	21	6.9	1 315	8.6	25	6.5	666	7.2
Ralls	6	12.8	212	14.0	51	4.0	24 342	1.4	12	9.4	333	12.3
Randolph	25	6.9	272	10.2	50	4.0	20 101	1.6	27	6.8	796	9.6
Ray	23	6.8	187	11.9	47	4.7	10 994	3.7	24	6.6	560	10.6
Reynolds	7	9.9	18	17.6	11	8.5	868	7.7	1	33.1	(D)	(D)
Ripley	7	13.3	10	14.3	17	7.2	3 324	4.6	7	11.5	174	20.0
St. Charles	13	5.4	857	.4	60	3.2	22 001	2.3	15	7.0	314	10.0
St. Clair	29	6.6	858	8.7	43	5.0	6 708	5.5	16	8.4	617	11.4
Ste. Genevieve	9	9.1	141	1.3	61	3.5	16 924	3.1	4	16.7	148	31.4
St. Francois	9	10.7	364	3.6	19	7.8	1 183	5.9	9	11.7	235	12.8
St. Louis	1	–	(D)	(D)	3	20.5	(D)	(D)	1	–	(D)	(D)
Saline	14	9.2	312	9.0	97	2.3	103 234	.6	19	7.8	419	15.2
Schuyler	26	6.8	443	11.4	20	7.4	4 247	6.8	72	4.0	6 268	6.0
Scotland	48	4.1	1 949	4.0	64	3.8	16 017	4.3	25	7.0	979	12.0
Scott	5	16.4	49	27.2	19	7.3	3 480	4.5	4	16.5	45	18.7
Shannon	16	8.7	285	13.8	19	7.4	353	12.7	12	10.0	598	17.3
Shelby	5	14.2	(D)	(D)	95	2.3	77 893	1.0	22	7.4	2 882	4.4
Stoddard	2	18.7	(D)	(D)	25	5.9	7 144	1.6	12	10.3	235	16.2
Stone	51	4.1	3 398	3.2	13	10.0	215	13.6	8	12.8	129	15.9
Sullivan	21	7.5	365	11.0	20	6.7	(D)	(D)	23	7.2	1 172	9.9
Taney	14	8.8	294	12.9	17	7.8	292	5.4	5	14.5	31	23.1
Texas	157	2.2	8 481	1.8	26	6.5	190	10.6	24	6.6	1 023	11.4
Vernon	30	5.6	1 192	2.5	60	3.5	145 219	.1	25	6.9	870	11.0
Warren	6	11.3	251	1.8	75	2.9	29 938	1.8	21	6.1	570	9.8
Washington	7	10.7	31	13.1	17	7.6	3 416	5.5	6	13.7	265	3.1
Wayne	10	10.5	73	16.9	8	12.7	456	17.8	4	19.3	43	30.8
Webster	293	1.7	11 255	1.5	114	3.1	16 534	4.3	23	6.7	398	11.2
Worth	7	12.5	10	14.4	14	5.4	4 891	2.6	14	9.1	397	10.6
Wright	272	1.6	15 999	1.4	37	5.4	(D)	(D)	15	8.9	463	11.5

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)
Missouri	**3 559**	**.8**	**7 175 652**	**.6**	**451**	**.9**	**202 970 912**	**.1**
Adair	21	7.8	436	10.0	3	20.4	40	20.2
Andrew	32	6.2	1 223	9.6	–	–	–	–
Atchison	7	12.8	134	22.4	–	–	–	–
Audrain	80	3.3	18 692	.9	3	16.4	(D)	(D)
Barry	67	4.1	253 900	8.0	127	.8	55 566 081	.1
Barton	23	7.3	478	8.4	–	–	–	–
Bates	35	5.8	2 228	20.9	–	–	–	–
Benton	38	5.3	77 650	21.7	5	11.8	3 572 900	1.6
Bollinger	39	5.5	440	6.7	2	19.3	(D)	(D)
Boone	60	4.3	1 193	5.4	7	13.3	1 641	2.8
Buchanan	21	7.2	308	9.3	–	–	–	–
Butler	32	6.4	(D)	(D)	–	–	–	–
Caldwell	22	7.3	543	8.2	3	19.8	30	31.0
Callaway	51	4.3	1 324	6.8	4	14.3	125	15.9
Camden	28	6.2	701	8.8	–	–	–	–
Cape Girardeau	26	6.1	363	7.6	–	–	–	–
Carroll	18	7.0	699	9.5	1	32.1	(D)	(D)
Carter	12	11.0	181	14.5	1	34.5	(D)	(D)
Cass	43	4.9	884	6.7	1	32.5	(D)	(D)
Cedar	37	5.3	739	8.1	3	15.9	(D)	(D)
Chariton	20	7.2	685	15.6	–	–	–	–
Christian	29	6.8	850	18.0	–	–	–	–
Clark	11	9.1	263	9.2	1	–	(D)	(D)
Clay	21	7.2	300	8.2	2	18.0	(D)	(D)
Clinton	26	6.5	843	8.9	2	29.1	(D)	(D)
Cole	50	4.5	1 172	7.3	2	18.1	(D)	(D)
Cooper	37	5.8	(D)	(D)	5	10.8	(D)	(D)
Crawford	39	5.0	717	5.6	–	–	–	–
Dade	17	7.9	211	10.4	–	–	–	–
Dallas	68	3.8	(D)	(D)	3	16.8	(D)	(D)
Daviess	38	5.4	(D)	(D)	3	24.2	1 800	25.4
De Kalb	17	9.0	521	19.9	2	19.6	(D)	(D)
Dent	30	6.2	437	9.2	1	39.2	(D)	(D)
Douglas	50	4.7	1 380	7.3	2	25.5	(D)	(D)
Dunklin	4	18.3	31	18.0	2	–	(D)	(D)
Franklin	69	3.6	1 911	8.1	3	18.8	(D)	(D)
Gasconade	33	5.5	818	8.1	1	36.4	(D)	(D)
Gentry	21	6.5	577	10.5	–	–	–	–
Greene	58	4.3	1 123	8.1	1	35.8	(D)	(D)
Grundy	22	7.2	682	6.6	2	24.1	(D)	(D)
Harrison	19	8.0	333	12.7	–	–	–	–
Henry	28	6.4	37 298	19.3	1	–	(D)	(D)
Hickory	17	8.4	463	11.7	–	–	–	–
Holt	9	10.6	149	9.8	1	–	(D)	(D)
Howard	24	6.2	784	7.8	2	27.5	(D)	(D)
Howell	77	3.7	1 362	4.2	2	27.6	(D)	(D)
Iron	11	7.7	(D)	(D)	–	–	–	–
Jackson	36	5.5	732	7.5	–	–	–	–
Jasper	52	4.9	(D)	(D)	1	38.8	(D)	(D)
Jefferson	31	5.4	888	6.4	1	34.0	(D)	(D)
Johnson	62	4.3	(D)	(D)	2	26.1	(D)	(D)
Knox	8	12.4	214	13.1	–	–	–	–
Laclede	56	4.4	1 268	5.4	–	–	–	–
Lafayette	36	5.4	636	6.8	–	–	–	–
Lawrence	61	3.9	298 887	2.5	14	4.1	9 545 040	1.2
Lewis	27	6.2	770	7.8	–	–	–	–
Lincoln	30	5.4	(D)	(D)	2	15.7	(D)	(D)
Linn	22	6.2	1 745	15.7	4	13.0	106	21.5
Livingston	28	6.0	541	7.9	–	–	–	–
McDonald	51	3.9	1 443 445	.9	87	1.6	54 180 847	.2
Macon	34	5.9	1 091	9.4	3	17.0	1 090	16.8
Madison	19	7.3	419	8.2	–	–	–	–
Maries	32	5.7	1 853	15.5	–	–	–	–
Marion	22	6.9	877	9.0	–	–	–	–
Mercer	16	9.2	730	16.8	1	39.1	(D)	(D)
Miller	27	6.1	493	7.2	–	–	–	–
Mississippi	1	46.6	(D)	(D)	–	–	–	–
Moniteau	36	4.7	10 343	1.0	4	–	2 923 786	–
Monroe	26	6.5	603	9.6	–	–	–	–
Montgomery	34	5.1	860	4.8	–	–	–	–
Morgan	55	4.0	28 531	3.7	15	3.8	12 370 507	(L)
New Madrid	–	–	–	–	2	–	(D)	(D)
Newton	69	3.7	1 635 420	1.0	50	1.8	20 345 950	.3
Nodaway	27	5.2	1 008	6.0	–	–	–	–
Oregon	39	5.5	657	6.3	2	28.2	(D)	(D)
Osage	34	5.4	3 264	2.0	5	14.1	55 075	19.3
Ozark	30	6.2	657	9.3	1	37.4	(D)	(D)
Pemiscot	1	49.8	(D)	(D)	–	–	–	–
Perry	15	8.6	310	10.1	–	–	–	–

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)
Pettis	47	4.6	134 680	9.1	23	3.2	15 897 357	(L)
Phelps	28	6.4	551	8.4	1	34.4	(D)	(D)
Pike	36	5.6	963	6.9	1	38.9	(D)	(D)
Platte	24	7.0	374	8.2	–	–	–	–
Polk	70	3.8	102 894	4.8	2	25.0	(D)	(D)
Pulaski	26	6.9	561	8.4	1	40.4	(D)	(D)
Putnam	17	7.7	492	11.4	1	34.6	(D)	(D)
Ralls	7	11.7	196	14.8	–	–	–	–
Randolph	40	5.4	1 428	16.1	–	–	–	–
Ray	39	5.3	868	6.2	–	–	–	–
Reynolds	15	8.0	216	10.7	–	–	–	–
Ripley	22	6.7	(D)	(D)	–	–	–	–
St. Charles	17	6.9	942	10.4	–	–	–	–
St. Clair	28	6.1	1 465	15.9	–	–	–	–
Ste. Genevieve	45	4.2	95 861	(L)	1	–	(D)	(D)
St. Francois	31	6.3	89 599	5.5	–	–	–	–
St. Louis	5	16.9	102	23.6	–	–	–	–
Saline	25	6.9	514	7.6	2	21.0	(D)	(D)
Schuyler	14	9.2	288	9.7	1	44.0	(D)	(D)
Scotland	17	8.8	805	15.2	2	27.5	(D)	(D)
Scott	8	10.4	(D)	(D)	7	–	8 164 956	–
Shannon	30	5.9	684	10.8	–	–	–	–
Shelby	11	11.3	303	15.9	–	–	–	–
Stoddard	15	8.4	78 950	10.6	6	–	13 891 293	–
Stone	24	7.4	(D)	(D)	–	–	–	–
Sullivan	13	9.7	369	10.9	–	–	–	–
Taney	24	6.7	314	8.7	–	–	–	–
Texas	76	3.6	1 346	4.2	3	16.3	480	15.5
Vernon	57	4.3	2 153	13.3	2	25.6	(D)	(D)
Warren	19	6.9	541	10.1	2	14.8	(D)	(D)
Washington	14	8.3	(D)	(D)	–	–	–	–
Wayne	11	10.7	230	14.1	–	–	–	–
Webster	85	3.6	134 857	3.8	3	21.1	(D)	(D)
Worth	8	9.3	405	10.4	–	–	–	–
Wright	57	4.5	1 297	7.6	1	44.9	(D)	(D)

Geographic area	Selected crops harvested											
	Corn for grain or seed						Corn for silage or green chop					
	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)	Tons, green	Relative standard error of estimate (percent)
Missouri	**18 417**	**.6**	**2 477 027**	**.4**	**274 381 159**	**.3**	**2 021**	**.8**	**76 404**	**.8**	**1 048 825**	**.8**
Adair	188	2.2	13 365	2.3	1 441 542	2.4	16	7.2	233	7.5	2 481	6.7
Andrew	349	1.4	45 327	1.2	5 289 001	1.2	25	6.1	694	5.0	7 366	5.5
Atchison	361	1.0	100 337	.7	12 321 829	.7	7	10.1	241	11.4	7 054	14.7
Audrain	408	1.1	59 896	.8	5 677 863	.8	104	2.4	3 036	1.3	41 294	1.7
Barry	29	5.2	1 208	9.9	127 685	7.9	15	7.1	692	4.9	10 974	4.1
Barton	124	2.4	13 978	1.4	1 866 817	1.4	17	6.1	332	4.4	5 217	5.2
Bates	251	1.8	31 092	1.3	3 227 093	1.3	28	5.7	968	8.1	10 772	7.4
Benton	90	3.1	5 889	3.2	464 840	3.5	22	6.2	979	6.4	10 697	6.6
Bollinger	115	2.8	12 669	2.6	1 273 395	2.8	5	7.7	304	13.9	3 890	9.8
Boone	156	2.3	15 694	1.8	1 347 582	1.7	18	6.7	784	4.8	12 381	4.4
Buchanan	297	1.5	36 249	1.5	4 194 237	1.5	11	9.2	278	8.0	2 559	8.7
Butler	106	2.3	18 377	1.6	2 272 993	1.5	–	–	–	–	–	–
Caldwell	217	2.0	20 464	1.9	1 854 618	1.8	14	7.9	350	5.6	4 646	4.5
Callaway	190	2.0	20 210	1.5	1 976 113	1.4	24	5.1	1 075	13.2	15 928	11.7
Camden	3	18.9	(D)	(D)	(D)	(D)	2	19.2	(D)	(D)	(D)	(D)
Cape Girardeau	341	1.3	33 569	1.0	3 617 505	.9	38	3.6	1 900	2.4	28 372	2.0
Carroll	406	1.1	60 428	.9	6 478 651	.8	29	4.8	1 525	6.0	21 160	8.3
Carter	–	–	–	–	–	–	–	–	–	–	–	–
Cass	192	2.1	22 463	1.6	2 182 454	1.7	17	7.3	661	7.2	9 237	6.3
Cedar	25	6.2	1 747	3.6	235 059	2.8	1	–	(D)	(D)	(D)	(D)
Chariton	442	1.2	63 461	.9	6 469 412	.9	32	4.8	1 749	3.9	20 007	5.7
Christian	8	9.2	385	12.6	36 075	10.0	13	7.4	675	9.1	8 445	9.4
Clark	314	1.4	45 340	1.1	5 696 647	1.1	22	7.2	358	12.9	5 635	15.7
Clay	71	3.1	9 080	1.6	1 070 255	1.6	4	14.4	(D)	(D)	7 182	35.1
Clinton	181	2.0	27 466	1.5	3 342 789	1.3	19	6.2	653	6.2	9 472	5.6
Cole	144	2.3	5 740	2.6	587 715	2.6	30	4.7	652	5.7	7 362	6.5
Cooper	324	1.5	38 980	1.2	3 306 829	1.3	35	5.3	1 526	7.3	20 357	7.6
Crawford	16	7.5	1 354	3.5	167 869	1.6	5	13.1	128	13.7	743	13.4
Dade	34	4.3	2 716	2.4	324 066	2.3	3	12.3	(D)	(D)	242	26.7
Dallas	3	–	115	–	9 337	–	22	6.4	481	7.0	6 192	8.1
Daviess	243	1.9	26 157	1.8	2 694 586	1.6	18	7.7	218	11.9	2 910	13.4
De Kalb	238	1.9	23 920	1.6	2 658 954	1.6	22	6.0	626	4.1	8 217	3.8
Dent	14	8.0	395	9.2	34 199	9.8	2	24.7	(D)	(D)	(D)	(D)
Douglas	4	15.8	(D)	(D)	2 965	14.1	1	48.3	(D)	(D)	(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											
	Corn for grain or seed						Corn for silage or green chop					
	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)	Tons, green	Relative standard error of estimate (percent)
Dunklin	94	2.3	17 390	1.6	2 217 207	1.6	1	–	(D)	(D)	(D)	(D)
Franklin	287	1.5	19 007	1.5	1 878 097	1.6	58	3.3	2 343	3.6	36 770	4.2
Gasconade	141	2.2	7 595	2.2	711 839	2.2	34	4.6	926	4.9	9 174	5.0
Gentry	238	1.7	27 245	1.5	3 040 633	1.4	16	6.9	720	9.8	9 184	9.9
Greene	21	6.0	1 104	7.3	88 237	6.9	17	4.9	1 212	3.0	14 585	2.8
Grundy	159	2.1	17 201	1.8	2 050 150	1.7	23	5.4	566	6.7	9 445	5.4
Harrison	268	1.8	43 439	1.3	4 767 196	1.3	15	8.2	578	9.3	8 210	11.2
Henry	142	2.5	14 151	2.3	1 226 274	2.2	19	6.6	604	4.0	8 780	4.2
Hickory	12	8.1	306	10.9	18 795	11.0	8	10.0	472	5.5	6 350	6.5
Holt	330	1.1	77 733	.9	9 330 064	.9	1	39.5	(D)	(D)	(D)	(D)
Howard	227	1.8	31 814	1.9	3 310 535	2.0	20	5.9	854	6.3	9 005	6.8
Howell	1	–	(D)	(D)	(D)	(D)	4	8.2	135	2.4	(D)	(D)
Iron	2	24.5	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Jackson	92	3.0	12 717	1.8	1 539 984	1.8	10	9.2	499	10.7	7 030	9.8
Jasper	48	4.2	6 240	3.1	832 505	3.1	6	13.2	180	13.8	2 644	14.3
Jefferson	53	3.6	3 605	2.7	325 310	2.6	11	5.9	432	3.5	5 775	2.2
Johnson	282	1.7	27 775	1.6	2 491 327	1.6	27	6.0	847	4.5	10 629	4.1
Knox	257	1.6	28 639	1.3	3 106 700	1.3	31	4.5	3 979	1.3	68 015	1.1
Laclede	10	9.1	314	6.7	32 430	6.3	20	4.3	1 283	3.3	15 151	3.3
Lafayette	561	1.0	85 117	.7	9 686 119	.7	63	2.8	3 001	5.5	52 495	6.1
Lawrence	65	3.3	3 495	1.9	428 327	1.5	33	4.0	1 127	2.7	16 706	2.1
Lewis	328	1.3	46 110	1.1	5 415 662	1.2	29	5.5	583	2.9	9 480	3.2
Lincoln	394	1.2	47 644	1.2	4 093 732	1.2	49	3.6	2 156	2.9	28 481	3.6
Linn	225	1.7	21 646	1.4	2 049 672	1.4	22	3.9	979	3.2	12 150	3.9
Livingston	184	2.0	18 468	1.6	1 825 191	1.7	28	5.7	769	4.9	10 324	4.8
McDonald	4	16.7	271	17.4	(D)	(D)	6	7.5	280	3.2	3 080	5.8
Macon	231	1.9	21 930	1.3	2 337 856	1.3	21	7.6	581	14.1	5 509	12.6
Madison	10	9.7	224	18.5	20 335	18.5	–	–	–	–	–	–
Maries	46	4.3	1 542	4.4	118 410	4.2	14	6.3	375	5.4	3 375	7.0
Marion	311	1.4	37 623	1.2	4 160 158	1.2	27	5.3	922	8.7	10 572	7.2
Mercer	125	2.6	13 344	2.2	1 430 798	2.1	8	10.1	236	13.0	3 534	12.9
Miller	73	3.2	2 502	4.0	247 635	4.4	27	5.3	1 148	3.1	22 376	2.4
Mississippi	148	1.5	56 634	.6	7 377 871	.7	–	–	–	–	–	–
Moniteau	186	1.8	12 737	1.8	982 473	1.9	37	4.4	922	5.0	9 466	5.3
Monroe	269	1.7	32 874	1.4	3 248 369	1.3	27	5.6	833	3.2	12 120	3.2
Montgomery	324	1.3	39 422	1.3	3 365 016	1.4	35	4.5	986	4.5	11 943	5.7
Morgan	119	2.2	7 630	1.8	687 157	1.8	52	3.5	1 475	3.8	17 288	3.6
New Madrid	231	1.2	65 635	.5	9 063 504	.5	–	–	–	–	–	–
Newton	19	6.4	662	6.2	63 260	6.8	11	9.0	484	5.9	6 610	6.7
Nodaway	683	1.0	98 536	.9	10 912 903	.9	41	4.0	1 464	6.3	23 359	9.1
Oregon	–	–	–	–	–	–	–	–	–	–	–	–
Osage	136	2.3	8 544	2.3	897 946	2.4	42	4.3	963	4.7	11 258	5.0
Ozark	2	–	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Pemiscot	60	2.0	19 118	.7	2 527 673	.7	–	–	–	–	–	–
Perry	305	1.4	24 832	1.4	2 632 512	1.4	32	4.4	868	2.7	11 564	3.0
Pettis	321	1.5	37 385	1.3	3 247 695	1.3	35	4.7	1 193	4.1	14 636	3.8
Phelps	21	7.1	592	11.0	45 944	12.5	2	16.6	(D)	(D)	(D)	(D)
Pike	408	1.3	49 627	1.0	5 479 081	1.0	51	4.5	1 339	4.0	23 790	4.2
Platte	182	1.9	29 423	1.1	3 451 092	1.1	3	17.6	(D)	(D)	(D)	(D)
Polk	31	4.7	1 732	5.3	152 908	5.5	16	5.6	999	4.4	12 940	3.7
Pulaski	15	8.7	766	6.0	68 425	7.0	1	38.6	(D)	(D)	(D)	(D)
Putnam	146	2.2	12 928	2.1	1 289 463	2.3	13	7.5	319	6.5	3 689	5.7
Ralls	198	1.8	28 019	1.5	2 884 167	1.6	27	5.0	1 003	6.2	13 220	5.1
Randolph	200	2.0	14 533	2.0	1 054 370	2.1	15	8.8	947	5.3	9 155	8.4
Ray	242	1.8	28 858	1.2	3 278 489	1.2	14	7.3	1 683	2.9	20 880	1.9
Reynolds	2	16.4	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Ripley	16	6.5	1 971	5.7	233 479	6.1	–	–	–	–	–	–
St. Charles	283	1.2	45 088	.9	4 934 291	.9	21	5.2	781	5.6	12 856	7.2
St. Clair	93	3.2	7 901	3.2	711 301	3.3	15	7.6	429	9.2	4 397	10.8
Ste. Genevieve	129	2.2	12 162	1.4	1 218 712	1.5	3	10.9	153	6.4	1 595	8.2
St. Francois	36	5.1	1 343	6.5	114 858	5.9	5	9.9	187	7.0	3 460	7.2
St. Louis	40	4.2	5 192	3.3	591 847	3.3	–	–	–	–	–	–
Saline	557	1.0	115 046	.7	12 983 464	.6	20	5.5	1 151	9.6	12 978	8.7
Schuyler	124	2.7	7 716	3.0	843 073	3.2	6	15.3	90	16.3	875	16.5
Scotland	259	1.6	34 022	1.8	3 884 231	1.9	39	4.8	1 642	3.8	27 040	4.4
Scott	241	1.4	64 075	.6	8 456 748	.6	3	13.1	(D)	(D)	(D)	(D)
Shannon	–	–	–	–	–	–	–	–	–	–	–	–
Shelby	277	1.4	34 917	1.1	4 005 290	1.1	23	4.2	898	2.8	12 062	2.7
Stoddard	354	1.2	115 520	.4	15 480 380	.4	5	16.3	120	15.7	1 140	16.6
Stone	2	–	(D)	(D)	(D)	(D)	8	12.1	171	13.2	2 860	14.7
Sullivan	135	2.5	10 944	2.1	1 174 523	1.9	17	7.1	453	7.0	6 961	5.5
Taney	2	18.2	(D)	(D)	(D)	(D)	2	19.6	(D)	(D)	(D)	(D)
Texas	20	6.8	529	4.2	29 528	5.0	7	8.7	1 413	1.4	14 746	1.6
Vernon	158	2.3	21 655	1.6	2 560 549	1.5	11	8.9	277	8.8	4 256	8.6
Warren	186	1.6	20 912	1.7	2 070 054	1.9	21	5.4	363	4.8	5 833	5.2
Washington	3	18.3	113	18.7	12 860	19.2	2	23.5	(D)	(D)	(D)	(D)
Wayne	16	8.6	1 171	5.5	109 609	5.7	3	14.2	140	15.2	2 400	17.7
Webster	10	9.2	228	15.9	20 513	20.0	62	3.6	1 506	2.8	20 393	2.2
Worth	120	2.2	11 178	2.4	1 112 084	2.4	17	5.7	597	3.7	5 843	6.7
Wright	3	23.0	41	23.5	2 756	25.2	8	8.4	204	8.6	2 130	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	Selected crops harvested—Con.											
	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)
Missouri	**3 566**	**.7**	**311 511**	**.6**	**26 886 487**	**.5**	**12 394**	**.6**	**1 055 664**	**.4**	**52 178 347**	**.4**
Adair	2	19.2	(D)	(D)	(D)	(D)	59	4.1	2 787	3.3	135 167	3.3
Andrew	13	9.6	599	10.2	48 150	11.0	62	3.6	2 620	3.3	112 886	3.3
Atchison	1	–	(D)	(D)	(D)	(D)	13	7.7	783	10.1	32 448	10.5
Audrain	233	1.6	24 627	1.5	2 255 553	1.5	327	1.3	30 436	1.1	1 670 782	1.1
Barry	13	7.9	492	9.7	35 964	9.1	25	6.1	1 006	5.3	44 724	5.1
Barton	309	1.5	30 177	1.6	2 938 796	1.6	338	1.4	40 622	1.4	2 161 259	1.4
Bates	109	2.8	7 428	2.9	660 462	3.1	243	1.9	27 390	1.4	1 578 524	1.4
Benton	45	4.3	2 915	3.3	251 297	3.3	105	2.8	5 984	2.9	289 585	2.7
Bollinger	25	6.2	1 403	7.8	107 755	8.3	70	3.5	4 481	3.4	205 267	3.7
Boone	26	5.4	1 563	6.3	128 294	7.2	124	2.5	13 488	2.8	647 394	2.6
Buchanan	18	6.9	865	9.2	76 897	8.6	96	2.9	6 331	4.1	258 416	4.0
Butler	116	2.5	12 639	1.9	823 759	2.0	134	2.3	16 147	1.8	738 899	1.7
Caldwell	11	9.9	605	11.0	39 398	10.0	107	2.9	4 334	3.7	187 347	4.0
Callaway	69	3.2	6 300	2.6	581 508	2.7	168	2.1	13 249	1.7	636 896	1.7
Camden	1	29.5	(D)	(D)	(D)	(D)	3	20.8	135	22.3	7 605	23.4
Cape Girardeau	34	4.0	3 097	1.8	249 784	1.8	308	1.3	18 183	1.1	806 718	1.1
Carroll	17	6.1	1 062	6.7	91 389	6.2	357	1.2	31 787	1.1	1 561 622	1.0
Carter	–	–	–	–	–	–	–	–	–	–	–	–
Cass	36	5.3	3 481	3.9	295 280	3.7	111	2.8	9 318	1.9	468 188	1.9
Cedar	18	7.6	1 022	7.6	94 260	8.3	25	5.8	1 446	4.1	68 880	4.1
Chariton	18	7.1	818	6.4	77 935	5.5	339	1.5	27 467	1.3	1 460 507	1.4
Christian	3	17.3	152	9.3	(D)	(D)	14	7.8	433	9.2	22 409	9.6
Clark	3	17.9	182	26.2	13 037	26.7	89	2.9	4 995	1.6	242 927	1.4
Clay	5	11.5	400	6.8	37 537	8.7	47	4.1	4 237	3.1	178 741	3.3
Clinton	4	13.1	325	2.1	(D)	(D)	43	4.0	2 183	3.3	110 135	3.2
Cole	24	5.8	754	4.0	67 893	3.6	121	2.5	2 885	3.1	141 629	3.6
Cooper	29	4.7	1 327	3.5	100 796	3.4	296	1.6	24 971	1.5	1 278 363	1.5
Crawford	3	16.0	14	22.6	700	22.6	7	9.5	464	7.6	25 850	10.8
Dade	61	3.6	6 442	3.7	629 609	3.6	96	2.9	13 905	2.6	705 025	2.6
Dallas	2	–	(D)	(D)	(D)	(D)	11	9.4	233	13.1	8 719	12.9
Daviess	29	5.7	2 235	4.3	183 965	4.7	120	2.6	6 265	2.2	272 408	2.3
De Kalb	8	9.7	822	11.4	58 720	11.3	53	4.1	2 181	3.4	89 009	3.3
Dent	1	31.0	(D)	(D)	(D)	(D)	7	10.4	209	10.1	9 885	6.9
Douglas	2	18.7	(D)	(D)	(D)	(D)	3	17.6	12	25.7	360	25.7
Dunklin	84	2.5	8 320	2.0	533 933	2.1	159	1.8	25 435	.8	1 090 574	.9
Franklin	22	5.6	937	6.5	74 471	7.1	193	1.9	8 351	2.0	369 348	1.9
Gasconade	24	6.0	1 197	5.9	88 432	6.5	88	3.0	2 749	2.9	124 716	3.3
Gentry	16	7.3	855	7.0	73 291	7.2	82	3.0	3 545	2.3	137 116	3.1
Greene	3	16.0	(D)	(D)	(D)	(D)	40	4.5	3 011	5.4	152 397	5.0
Grundy	39	4.8	2 069	3.9	202 114	4.0	82	3.0	6 471	3.5	290 980	3.1
Harrison	5	8.3	606	2.5	53 975	2.7	49	4.1	2 632	5.0	87 675	6.5
Henry	126	2.8	9 413	2.5	775 648	2.4	196	2.2	15 736	2.3	807 886	2.4
Hickory	7	10.4	511	6.8	38 418	5.4	8	9.3	149	5.7	5 925	5.7
Holt	11	6.2	1 325	2.0	92 456	1.8	24	5.3	1 634	2.4	55 014	2.4
Howard	7	9.8	575	9.2	59 500	10.3	172	2.1	14 048	1.8	686 954	1.7
Howell	2	–	(D)	(D)	(D)	(D)	7	8.1	246	2.5	12 679	2.3
Iron	1	–	(D)	(D)	(D)	(D)	1	–	(D)	(D)	(D)	(D)
Jackson	8	7.8	1 032	7.5	111 327	7.0	82	3.1	10 227	1.6	542 338	1.5
Jasper	122	2.9	8 641	3.0	756 081	3.2	183	2.4	19 906	2.1	984 912	2.2
Jefferson	9	8.0	404	9.4	28 075	10.1	56	3.6	2 235	4.3	96 032	4.0
Johnson	77	3.4	4 470	3.1	344 522	3.1	174	2.2	9 041	2.0	449 719	2.2
Knox	2	–	(D)	(D)	(D)	(D)	124	2.4	7 376	2.1	359 461	2.1
Laclede	1	–	(D)	(D)	(D)	(D)	10	7.9	755	6.0	21 896	10.9
Lafayette	17	7.0	733	4.8	60 706	3.8	301	1.5	19 028	1.3	1 042 183	1.2
Lawrence	40	4.3	2 218	4.5	176 209	3.9	96	2.9	6 506	3.0	326 759	3.1
Lewis	12	8.8	217	11.8	24 766	12.5	182	1.8	10 842	1.8	565 866	2.0
Lincoln	12	5.9	1 129	5.4	92 444	6.9	272	1.5	19 818	1.4	993 019	1.4
Linn	7	9.2	304	8.3	27 069	6.2	115	2.3	7 499	1.8	367 076	1.8
Livingston	32	5.6	3 117	3.7	296 473	3.3	200	1.9	17 139	1.6	869 573	1.6
McDonald	1	–	(D)	(D)	(D)	(D)	3	15.0	(D)	(D)	(D)	(D)
Macon	17	8.1	1 564	9.6	146 298	9.7	137	2.6	7 768	2.7	360 650	2.7
Madison	6	11.3	232	15.1	18 800	15.6	6	11.7	80	12.8	3 277	13.9
Maries	3	19.9	65	22.2	(D)	(D)	32	4.8	921	5.3	43 486	5.3
Marion	18	6.6	1 070	6.1	97 769	6.1	230	1.8	15 974	1.7	802 095	1.7
Mercer	8	9.9	729	5.4	44 100	4.6	20	6.7	1 170	6.2	40 913	5.7
Miller	7	9.5	122	12.3	7 774	12.7	31	4.9	640	5.6	22 511	5.3
Mississippi	67	1.9	12 309	.4	1 048 002	.4	186	1.2	46 391	.5	2 378 636	.6
Moniteau	40	3.7	1 662	2.7	128 387	2.3	115	2.4	6 107	2.1	286 356	2.1
Monroe	151	2.3	14 495	2.3	1 425 386	2.3	230	1.8	20 151	1.4	1 071 977	1.3
Montgomery	52	3.8	3 554	4.1	291 532	3.4	236	1.6	17 124	1.7	823 837	1.8
Morgan	25	5.0	833	4.9	65 776	4.5	101	2.4	3 442	2.2	153 258	2.2
New Madrid	128	1.5	18 197	.9	1 351 697	.6	222	1.2	34 008	.7	1 691 681	.6
Newton	17	7.6	563	12.3	40 768	13.8	62	3.7	4 648	4.7	220 313	4.4
Nodaway	5	12.9	356	9.1	23 580	10.3	81	2.7	2 881	3.0	110 754	2.8
Oregon	1	35.6	(D)	(D)	(D)	(D)	5	12.6	103	12.7	4 210	12.9
Osage	46	3.8	1 373	4.0	112 327	4.1	79	3.1	1 734	3.6	74 790	3.6
Ozark	–	–	–	–	–	–	2	–	(D)	(D)	(D)	(D)
Pemiscot	73	2.0	12 266	1.5	1 055 433	1.3	155	1.4	34 192	.7	1 304 587	.8
Perry	15	6.9	740	8.0	67 512	11.0	276	1.5	14 772	1.5	769 475	1.4

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	Selected crops harvested—Con.											
	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)
Pettis	118	2.5	7 708	2.9	651 533	2.9	281	1.6	24 228	1.4	1 221 463	1.4
Phelps	4	12.0	94	5.6	2 742	7.7	4	17.6	101	19.1	3 080	18.8
Pike	38	4.8	5 137	3.5	500 872	3.6	264	1.7	17 663	1.4	928 406	1.5
Platte	16	7.3	590	12.5	53 688	12.1	90	2.6	6 571	2.5	272 226	2.2
Polk	13	8.2	353	12.2	27 432	13.7	45	4.1	1 460	4.2	71 826	4.4
Pulaski	1	40.4	(D)	(D)	(D)	(D)	5	13.6	124	10.2	5 730	10.8
Putnam	–	–	–	–	–	–	11	7.2	647	6.2	25 244	5.6
Ralls	67	3.3	7 012	2.4	765 005	2.4	166	1.9	18 404	1.8	938 984	1.8
Randolph	23	6.6	1 339	6.0	107 592	6.6	146	2.4	10 630	2.7	494 861	2.8
Ray	23	6.6	1 083	4.3	84 965	3.9	153	2.3	13 637	1.9	672 655	1.7
Reynolds	1	23.4	(D)	(D)	(D)	(D)	2	20.2	(D)	(D)	(D)	(D)
Ripley	14	7.0	1 856	5.2	125 913	4.6	21	6.1	1 810	5.8	64 487	6.1
St. Charles	13	7.3	581	9.4	28 407	7.3	225	1.4	16 192	1.4	820 923	1.5
St. Clair	81	3.2	6 196	2.8	515 836	2.8	132	2.5	10 947	2.6	513 732	2.7
Ste. Genevieve	18	6.8	429	8.2	33 608	9.1	108	2.5	5 751	1.8	298 969	1.7
St. Francois	2	25.8	(D)	(D)	(D)	(D)	23	6.6	803	6.9	29 522	7.0
St. Louis	3	17.1	90	22.2	(D)	(D)	43	3.7	3 879	4.0	174 958	4.1
Saline	22	6.4	960	15.7	68 176	13.8	304	1.4	22 908	1.0	1 306 321	.9
Schuyler	1	36.5	(D)	(D)	(D)	(D)	23	6.8	880	9.2	36 416	8.7
Scotland	2	26.9	(D)	(D)	(D)	(D)	63	3.5	3 403	3.5	184 813	3.4
Scott	63	2.8	8 354	1.9	666 801	1.5	248	1.4	44 009	.7	2 163 030	.8
Shannon	–	–	–	–	–	–	–	–	–	–	–	–
Shelby	80	3.0	6 558	2.1	692 017	2.1	233	1.6	17 196	1.3	933 326	1.3
Stoddard	115	2.4	11 728	1.7	958 972	1.7	309	1.3	50 404	.7	2 584 009	.7
Stone	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Sullivan	3	12.2	126	5.2	6 400	7.7	22	5.5	1 457	3.4	63 991	3.9
Taney	1	–	(D)	(D)	(D)	(D)	5	11.0	457	5.6	19 470	3.5
Texas	4	8.7	(D)	(D)	(D)	(D)	12	9.0	338	12.5	8 401	11.8
Vernon	156	2.3	17 519	2.1	1 608 802	1.9	219	2.0	24 261	1.6	1 133 616	1.7
Warren	18	6.1	779	5.6	58 742	5.2	147	1.9	7 834	1.8	360 332	1.9
Washington	–	–	–	–	–	–	2	18.7	(D)	(D)	(D)	(D)
Wayne	6	13.2	292	12.8	12 399	9.3	9	9.7	775	5.9	33 333	9.1
Webster	4	10.6	59	10.8	(D)	(D)	33	5.1	582	5.4	23 612	5.6
Worth	1	31.4	(D)	(D)	(D)	(D)	12	5.8	350	6.2	11 582	7.5
Wright	1	–	(D)	(D)	(D)	(D)	7	10.8	244	21.5	6 831	19.2

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)
Missouri	**863**	**.7**	**388 725**	**.3**	**554 360**	**.2**	**24 201**	**.6**	**4 671 797**	**.4**	**164 562 845**	**.4**
Adair	–	–	–	–	–	–	269	1.8	30 993	2.2	1 116 539	2.2
Andrew	–	–	–	–	–	–	423	1.3	65 091	1.2	2 453 589	1.2
Atchison	–	–	–	–	–	–	369	.9	105 389	.8	4 216 017	.8
Audrain	–	–	–	–	–	–	560	.9	130 374	.8	4 519 543	.8
Barry	–	–	–	–	–	–	10	9.2	352	14.8	12 524	18.5
Barton	5	7.6	(D)	(D)	(D)	(D)	405	1.3	76 042	1.3	2 444 640	1.3
Bates	–	–	–	–	–	–	383	1.5	82 338	1.1	2 800 902	1.1
Benton	–	–	–	–	–	–	136	2.4	16 136	2.3	514 260	2.2
Bollinger	–	–	–	–	–	–	132	2.5	16 966	2.8	532 428	2.7
Boone	–	–	–	–	–	–	239	1.9	40 471	2.0	1 262 260	1.9
Buchanan	–	–	–	–	–	–	375	1.3	55 554	1.5	1 943 852	1.4
Butler	7	6.6	828	1.9	1 075	1.6	322	1.5	93 195	1.0	3 007 504	.9
Caldwell	–	–	–	–	–	–	347	1.5	46 907	1.6	1 369 335	1.6
Callaway	–	–	–	–	–	–	310	1.5	52 212	1.4	1 870 359	1.3
Camden	–	–	–	–	–	–	4	15.9	99	17.7	3 460	18.8
Cape Girardeau	–	–	–	–	–	–	367	1.2	47 798	1.1	1 641 350	1.1
Carroll	–	–	–	–	–	–	533	1.0	125 664	.8	4 033 032	.8
Carter	–	–	–	–	–	–	–	–	–	–	–	–
Cass	–	–	–	–	–	–	361	1.5	66 956	1.2	2 248 679	1.1
Cedar	–	–	–	–	–	–	39	4.8	5 369	3.7	177 907	4.1
Chariton	–	–	–	–	–	–	590	1.0	124 998	.9	4 200 552	.9
Christian	–	–	–	–	–	–	4	9.1	100	12.7	3 075	14.5
Clark	–	–	–	–	–	–	312	1.4	60 849	1.1	2 488 628	1.1
Clay	–	–	–	–	–	–	127	2.5	26 183	2.3	951 769	1.9
Clinton	–	–	–	–	–	–	213	1.8	39 079	1.4	1 491 131	1.3
Cole	–	–	–	–	–	–	137	2.4	8 884	2.5	329 083	2.5
Cooper	–	–	–	–	–	–	414	1.3	60 079	1.3	1 988 258	1.2
Crawford	–	–	–	–	–	–	6	10.6	1 364	1.8	(D)	(D)
Dade	3	–	667	–	616	–	102	2.8	19 241	2.8	553 003	3.0
Dallas	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Daviess	–	–	–	–	–	–	373	1.5	73 202	1.4	2 657 740	1.4
De Kalb	–	–	–	–	–	–	285	1.7	35 055	1.8	1 363 822	1.7
Dent	–	–	–	–	–	–	4	14.6	188	9.3	6 493	8.1
Douglas	–	–	–	–	–	–	–	–	–	–	–	–

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)
Dunklin	298	1.1	162 794	.4	243 280	.3	289	1.1	81 625	.8	2 413 565	.7
Franklin	1	–	(D)	(D)	(D)	(D)	246	1.6	25 605	2.1	939 861	2.1
Gasconade	–	–	–	–	–	–	102	2.7	7 653	2.6	288 791	2.7
Gentry	–	–	–	–	–	–	280	1.6	44 986	1.3	1 764 935	1.2
Greene	–	–	–	–	–	–	14	7.8	962	9.5	31 712	11.2
Grundy	–	–	–	–	–	–	264	1.5	61 700	1.3	2 411 168	1.3
Harrison	–	–	–	–	–	–	335	1.5	60 543	1.2	2 301 047	1.2
Henry	–	–	–	–	–	–	292	1.7	41 172	1.7	1 173 751	1.6
Hickory	–	–	–	–	–	–	16	7.6	1 324	9.5	40 905	11.4
Holt	–	–	–	–	–	–	366	1.0	91 429	.9	3 539 192	.9
Howard	–	–	–	–	–	–	263	1.6	37 230	1.4	1 356 169	1.5
Howell	–	–	–	–	–	–	–	–	–	–	–	–
Iron	–	–	–	–	–	–	–	–	–	–	–	–
Jackson	–	–	–	–	–	–	191	2.1	49 085	1.3	1 636 736	1.2
Jasper	1	–	(D)	(D)	(D)	(D)	227	2.1	34 501	2.2	1 097 225	2.1
Jefferson	–	–	–	–	–	–	59	3.3	6 367	2.9	226 220	2.7
Johnson	–	–	–	–	–	–	445	1.4	58 219	1.4	1 851 895	1.4
Knox	–	–	–	–	–	–	346	1.3	59 895	1.3	2 191 727	1.3
Laclede	–	–	–	–	–	–	6	11.4	687	4.8	30 145	3.6
Lafayette	–	–	–	–	–	–	619	1.0	108 933	.8	4 361 629	.8
Lawrence	–	–	–	–	–	–	85	3.2	9 271	3.4	292 023	3.2
Lewis	–	–	–	–	–	–	354	1.3	63 089	1.1	2 382 717	1.1
Lincoln	–	–	–	–	–	–	386	1.2	51 750	1.3	1 757 240	1.3
Linn	–	–	–	–	–	–	312	1.4	51 772	1.5	1 752 290	1.5
Livingston	–	–	–	–	–	–	399	1.2	102 566	1.1	3 553 047	1.0
McDonald	–	–	–	–	–	–	3	15.6	(D)	(D)	(D)	(D)
Macon	–	–	–	–	–	–	396	1.4	62 810	1.5	2 055 264	1.5
Madison	–	–	–	–	–	–	6	13.6	525	16.4	14 820	19.8
Maries	–	–	–	–	–	–	11	9.3	1 244	7.6	38 809	7.5
Marion	–	–	–	–	–	–	354	1.3	52 289	1.2	2 025 895	1.2
Mercer	–	–	–	–	–	–	169	2.2	23 459	2.3	895 982	2.3
Miller	–	–	–	–	–	–	50	3.9	2 839	7.6	100 605	7.6
Mississippi	8	–	2 757	–	2 949	–	232	.9	161 134	.5	6 152 308	.5
Moniteau	–	–	–	–	–	–	171	1.9	15 359	1.9	545 059	1.9
Monroe	–	–	–	–	–	–	399	1.3	81 094	1.2	2 715 571	1.1
Montgomery	–	–	–	–	–	–	363	1.2	56 744	1.2	1 787 132	1.2
Morgan	–	–	–	–	–	–	126	2.0	11 459	2.0	381 078	1.9
New Madrid	243	1.1	94 410	.4	123 437	.5	372	.8	157 608	.4	5 075 182	.4
Newton	–	–	–	–	–	–	59	4.0	3 569	5.9	99 601	6.1
Nodaway	–	–	–	–	–	–	762	.9	123 908	.9	4 945 090	.8
Oregon	–	–	–	–	–	–	–	–	–	–	–	–
Osage	–	–	–	–	–	–	115	2.5	7 855	3.2	315 015	3.0
Ozark	–	–	–	–	–	–	–	–	–	–	–	–
Pemiscot	167	1.4	77 092	.6	117 788	.5	283	.7	160 771	.6	5 355 553	.5
Perry	–	–	–	–	–	–	244	1.6	28 258	1.5	1 061 731	1.4
Pettis	–	–	–	–	–	–	465	1.2	72 654	1.2	2 525 963	1.1
Phelps	–	–	–	–	–	–	4	14.3	435	16.7	15 040	18.0
Pike	–	–	–	–	–	–	423	1.3	66 458	1.1	2 474 989	1.1
Platte	–	–	–	–	–	–	255	1.6	54 902	1.1	2 113 362	1.0
Polk	–	–	–	–	–	–	25	5.3	1 547	6.8	57 337	7.6
Pulaski	–	–	–	–	–	–	5	16.7	254	21.2	10 381	23.5
Putnam	–	–	–	–	–	–	133	2.3	15 937	2.2	596 513	2.2
Ralls	–	–	–	–	–	–	262	1.4	66 340	1.2	2 417 730	1.1
Randolph	–	–	–	–	–	–	266	1.7	32 518	2.0	937 156	1.9
Ray	–	–	–	–	–	–	378	1.4	71 778	1.3	2 428 595	1.2
Reynolds	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Ripley	–	–	–	–	–	–	38	5.0	11 139	3.6	353 164	3.7
St. Charles	–	–	–	–	–	–	317	1.1	56 996	1.0	2 091 741	1.0
St. Clair	–	–	–	–	–	–	167	2.2	21 226	2.3	651 687	2.3
Ste. Genevieve	–	–	–	–	–	–	100	2.6	14 056	1.6	527 343	1.4
St. Francois	–	–	–	–	–	–	16	7.9	1 167	13.4	31 104	11.3
St. Louis	–	–	–	–	–	–	57	3.4	9 108	4.0	310 764	3.9
Saline	–	–	–	–	–	–	634	.9	135 726	.7	5 296 917	.7
Schuyler	–	–	–	–	–	–	124	2.7	17 447	2.7	647 381	2.5
Scotland	–	–	–	–	–	–	284	1.6	45 000	1.5	1 763 288	1.4
Scott	37	2.2	11 898	1.9	14 766	1.6	309	1.3	105 138	.7	3 402 897	.6
Shannon	–	–	–	–	–	–	–	–	–	–	–	–
Shelby	–	–	–	–	–	–	399	1.1	83 329	1.1	3 080 227	1.0
Stoddard	93	2.2	37 829	1.0	50 118	.9	469	1.0	143 328	.6	4 861 453	.6
Stone	–	–	–	–	–	–	–	–	–	–	–	–
Sullivan	–	–	–	–	–	–	184	2.2	25 394	2.1	947 770	2.1
Taney	–	–	–	–	–	–	4	13.4	175	11.3	8 660	7.5
Texas	–	–	–	–	–	–	1	34.9	(D)	(D)	(D)	(D)
Vernon	–	–	–	–	–	–	338	1.6	64 768	1.3	2 158 997	1.4
Warren	–	–	–	–	–	–	209	1.5	23 870	1.7	846 543	1.7
Washington	–	–	–	–	–	–	5	13.3	319	12.4	14 695	13.0
Wayne	–	–	–	–	–	–	19	7.8	2 389	5.0	71 983	4.8
Webster	–	–	–	–	–	–	3	20.8	(D)	(D)	2 126	24.1
Worth	–	–	–	–	–	–	143	1.9	18 942	2.0	686 328	2.0
Wright	–	–	–	–	–	–	1	33.9	(D)	(D)	(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—Con.					
	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Missouri	**57 483**	**.6**	**3 661 772**	**.6**	**6 847 820**	**.6**
Adair	542	1.1	45 680	1.7	78 931	1.9
Andrew	437	1.3	19 403	2.1	45 101	2.1
Atchison	167	1.9	7 656	3.9	16 843	3.6
Audrain	511	1.0	21 030	1.4	42 429	1.6
Barry	959	.9	59 470	1.2	113 199	1.3
Barton	514	1.1	38 861	1.7	64 771	1.7
Bates	762	1.0	57 992	1.5	120 183	1.5
Benton	552	1.0	38 860	1.3	69 103	1.6
Bollinger	585	1.0	33 880	1.9	64 118	2.4
Boone	685	1.0	36 851	1.7	63 184	1.9
Buchanan	349	1.4	14 179	2.1	26 716	2.6
Butler	204	2.2	9 523	3.6	15 104	3.6
Caldwell	481	1.2	29 244	1.8	47 074	2.0
Callaway	825	.9	44 650	1.3	82 015	1.4
Camden	350	1.2	23 928	1.8	43 568	2.1
Cape Girardeau	766	.8	42 673	1.1	95 099	1.1
Carroll	405	1.2	28 822	1.6	54 399	1.9
Carter	107	2.3	7 758	3.4	12 164	3.6
Cass	895	.9	51 405	1.4	97 026	1.5
Cedar	574	1.0	39 120	1.6	67 998	1.7
Chariton	509	1.2	31 963	1.6	59 693	1.8
Christian	744	1.0	49 538	1.4	95 539	1.8
Clark	325	1.4	20 258	1.7	44 025	2.0
Clay	348	1.4	22 992	2.2	38 258	2.2
Clinton	438	1.2	30 400	1.7	48 398	1.9
Cole	741	.9	34 060	1.2	66 961	1.5
Cooper	534	1.1	32 839	1.7	64 693	1.8
Crawford	434	1.1	24 995	1.6	42 335	2.0
Dade	508	1.1	41 586	1.6	74 068	1.7
Dallas	799	.8	51 589	1.2	88 496	1.4
Daviess	463	1.3	30 462	1.8	58 207	2.0
De Kalb	456	1.3	30 905	2.0	56 549	2.3
Dent	463	1.1	28 115	1.7	47 613	2.0
Douglas	703	1.0	39 054	1.3	64 398	1.6
Dunklin	43	4.9	1 282	7.8	2 643	7.7
Franklin	1 113	.7	52 700	1.0	95 490	1.1
Gasconade	567	.8	32 105	1.3	58 335	1.6
Gentry	364	1.3	33 579	1.8	63 647	1.9
Greene	1 225	.8	75 721	1.1	137 580	1.2
Grundy	322	1.4	21 130	2.0	39 206	2.3
Harrison	477	1.2	46 072	1.5	88 443	1.8
Henry	603	1.0	56 118	1.3	104 185	1.4
Hickory	394	1.0	34 899	1.6	57 942	2.1
Holt	151	2.2	5 343	3.0	12 018	4.1
Howard	387	1.2	22 706	1.7	43 279	1.9
Howell	957	.9	49 874	1.2	91 265	1.3
Iron	172	1.6	9 458	2.6	16 337	3.8
Jackson	358	1.5	17 076	2.6	34 712	3.0
Jasper	804	1.0	43 079	1.4	80 833	1.6
Jefferson	418	1.1	20 187	1.8	36 286	2.2
Johnson	1 083	.8	71 553	1.2	128 608	1.3
Knox	310	1.5	26 936	2.1	57 265	2.3
Laclede	841	.9	59 757	1.1	109 346	1.2
Lafayette	711	.9	30 021	1.3	68 624	1.4
Lawrence	1 179	.7	87 648	1.0	165 996	1.0
Lewis	337	1.3	17 898	1.7	39 435	1.7
Lincoln	483	1.1	21 555	1.6	43 297	1.7
Linn	499	1.1	49 658	1.3	93 534	1.5
Livingston	369	1.4	20 274	1.7	36 308	1.9
McDonald	669	.9	42 724	1.4	87 494	1.8
Macon	654	1.1	49 151	1.5	83 619	1.9
Madison	291	1.1	21 764	2.1	34 692	2.4
Maries	578	.8	37 039	1.4	71 195	1.5
Marion	347	1.4	16 220	2.0	34 055	2.2
Mercer	316	1.4	43 726	1.3	82 817	1.4
Miller	724	.7	41 393	1.0	77 985	1.1
Mississippi	19	4.9	1 425	2.9	2 692	5.2
Moniteau	667	.8	39 811	1.1	76 291	1.3
Monroe	464	1.2	30 375	1.7	61 115	1.8
Montgomery	376	1.3	19 974	2.2	39 342	2.4
Morgan	566	.8	39 344	1.1	78 465	1.4
New Madrid	12	7.8	915	5.8	1 810	3.9
Newton	1 024	.8	64 881	1.4	131 099	1.4
Nodaway	805	.9	44 935	1.3	92 246	1.5
Oregon	418	1.3	26 659	1.7	50 274	1.8
Osage	853	.7	48 894	1.1	105 012	1.4
Ozark	454	1.1	24 123	1.6	46 383	1.5
Pemiscot	11	8.3	824	18.4	2 082	22.3
Perry	537	.9	24 651	1.4	53 190	1.5

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.					
	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Pettis	735	.9	44 668	1.4	85 652	1.4
Phelps	480	1.1	27 328	1.7	47 032	1.8
Pike	466	1.3	25 261	1.6	57 189	1.5
Platte	340	1.4	16 371	2.1	27 296	2.1
Polk	1 103	.7	86 734	.9	154 224	1.1
Pulaski	328	1.4	20 585	1.7	38 517	2.0
Putnam	422	1.0	41 689	1.3	75 765	1.5
Ralls	284	1.4	17 312	2.1	30 642	2.0
Randolph	445	1.2	30 057	1.9	49 379	2.1
Ray	582	1.1	32 560	1.7	52 501	2.2
Reynolds	190	1.4	10 879	2.4	15 199	2.5
Ripley	272	1.5	16 748	2.2	28 972	2.4
St. Charles	279	1.4	10 759	2.0	23 758	2.2
St. Clair	496	1.1	46 969	1.8	82 337	2.0
Ste. Genevieve	438	1.0	24 820	1.8	46 663	2.2
St. Francois	465	1.1	26 026	2.2	47 340	2.5
St. Louis	72	3.6	2 245	6.2	3 791	6.0
Saline	435	1.3	24 271	1.5	49 653	1.6
Schuyler	330	1.3	30 353	2.1	56 437	2.2
Scotland	348	1.4	26 465	2.3	56 774	2.9
Scott	192	2.0	5 956	2.6	12 446	3.5
Shannon	270	1.4	17 316	2.1	28 704	2.3
Shelby	307	1.4	20 744	1.7	45 394	1.6
Stoddard	251	1.9	10 866	3.0	19 938	3.4
Stone	351	1.5	19 297	1.9	38 685	2.1
Sullivan	483	1.1	57 052	1.5	101 211	1.7
Taney	232	1.6	14 214	1.8	24 150	2.2
Texas	957	.8	66 373	1.2	118 154	1.2
Vernon	694	1.1	53 887	1.5	93 733	1.5
Warren	296	1.2	12 661	2.3	22 894	2.2
Washington	346	1.2	18 323	1.9	29 189	2.1
Wayne	250	1.6	12 696	2.9	24 681	3.2
Webster	1 143	.8	65 001	1.0	121 591	1.2
Worth	228	1.4	19 213	2.2	34 730	2.4
Wright	886	.8	60 875	1.2	118 469	1.4

[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	98 860	12 102	110 962	1.6	10.9
Land in farms ..... acres	28 826 188	1 467 099	30 293 287	1.2	4.8
Average size of farm ..... acres	292	121	273	(X)	(X)
Farms by size of farm:					
Less than 10 acres	3 148	632	3 780	11.6	16.7
10 to 49 acres	16 714	4 757	21 471	5.3	22.2
50 to 179 acres	36 346	4 203	40 549	2.4	10.4
180 acres or more	42 652	2 510	45 162	1.5	5.6
Farms by value of sales:					
Less than $2,500	25 039	8 336	33 375	3.9	25.0
$2,500 to $9,999	29 943	2 071	32 014	2.6	6.5
$10,000 or more	43 878	1 695	45 573	1.6	3.7
Market value of agricultural products sold $1,000	5 367 813	112 297	5 480 109	1.1	2.0
Farms by type of organization:					
Individual or family	87 919	12 034	99 953	1.7	12.0
Partnership, corporation, or other	10 941	68	11 009	3.6	.6
Farms by tenure of operator:					
Full owners	65 924	10 787	76 711	2.1	14.1
Part owners	25 743	728	26 471	1.7	2.8
Tenants	7 193	587	7 780	4.0	7.5
Operators by place of residence:					
On farm operated	72 622	9 935	82 557	1.8	12.0
Not on farm operated	19 385	1 820	21 205	3.4	8.6
Not reported	6 853	347	7 200	3.2	4.8
Operators by principal occupation:					
Farming	44 751	1 507	46 258	1.4	3.3
Other	54 109	10 595	64 704	2.5	16.4
Operators by sex:					
Male	90 823	10 129	100 952	1.6	10.0
Female	8 037	1 973	10 010	5.3	19.7
Operators by race:					
White	98 313	11 940	110 253	1.6	10.8
Black and other races	547	162	709	47.2	22.8
Operators by years on present farm:					
4 years or less	11 746	1 397	13 143	3.3	10.6
5 years or more	71 375	5 147	76 522	1.4	6.7
Not reported	15 739	5 558	21 297	6.2	26.1

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