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	12.7	Corn for grain or seed ..... acres	3.6
Land in farms ..... acres	9.5	Wheat for grain ..... acres	2.3
Estimated market value of land and buildings[1] $1,000	9.1	Livestock and poultry inventory:	
Market value of agricultural products sold $1,000	5.5	Cattle and calves ..... number	9.6
Harvested cropland ..... acres	6.9	Hogs and pigs ..... number	2.1
		Layers 20 weeks old and older ..... number	1.8

[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	5.9	25	42.9
50	3.8	50	29.9
75	2.7	75	24.1
100	2.0	100	20.6
150	.8	150	16.3
200	.7	200	13.6
300	.6	300	10.3
500	.4	500	6.6
750	.4	750	3.5
1,000	.3	1,000	3.1
1,500	.2	1,500	2.5
2,000	.2	2,000	2.2

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..	82 273	.6
Land in farms ..... acres..	13 334 234	.5
Average size of farm ..... acres..	162	.8
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ..... farms..	82 273	.6
$1,000..	3 064 460	.4
Average per farm ..... dollars..	37 247	.7
Farms by value of sales:		
Less than $1,000 (see text) ..... farms..	9 351	.7
$1,000..	2 222	.9
$1,000 to $2,499 ..... farms..	9 792	.7
$1,000..	16 790	.7
$2,500 to $4,999 ..... farms..	12 566	.6
$1,000..	45 516	.7
$5,000 to $9,999 ..... farms..	14 393	.7
$1,000..	103 306	.7
$10,000 to $19,999 ..... farms..	13 696	.8
$1,000..	193 927	.8
$20,000 to $24,999 ..... farms..	3 692	1.1
$1,000..	82 202	1.1
$25,000 to $39,999 ..... farms..	6 086	1.0
$1,000..	190 442	1.0
$40,000 to $49,999 ..... farms..	2 253	1.2
$1,000..	100 079	1.2
$50,000 to $99,999 ..... farms..	4 843	1.1
$1,000..	338 423	1.1
$100,000 to $249,999 ..... farms..	3 528	.6
$1,000..	534 371	.5
$250,000 to $499,999 ..... farms..	1 245	–
$1,000..	430 353	–
$500,000 or more ..... farms..	828	–
$1,000..	1 026 828	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops ..... farms..	57 556	.6
$1,000..	1 578 861	.5
Grains ..... farms..	10 575	.7
$1,000..	624 432	.2
Corn for grain ..... farms..	7 510	.7
$1,000..	273 075	.2
Wheat ..... farms..	3 053	.7
$1,000..	70 018	.2
Soybeans ..... farms..	6 609	.7
$1,000..	273 779	.3
Sorghum for grain ..... farms..	110	2.4
$1,000..	1 091	2.5
Barley ..... farms..	85	2.1
$1,000..	822	.9
Oats ..... farms..	27	6.2
$1,000..	56	3.7
Other grains ..... farms..	135	1.8
$1,000..	5 592	.8
Cotton and cottonseed ..... farms..	1	–
$1,000..	(D)	(D)
Tobacco ..... farms..	44 915	.7
$1,000..	828 038	.6
Hay, silage, and field seeds ..... farms..	16 005	.6
$1,000..	58 578	.7
Vegetables, sweet corn, and melons ..... farms..	1 007	1.1
$1,000..	7 984	1.4
Fruits, nuts, and berries ..... farms..	450	1.6
$1,000..	2 450	2.1
Nursery and greenhouse crops ..... farms..	1 103	1.0
$1,000..	56 018	.5
Other crops ..... farms..	320	1.9
$1,000..	(D)	(D)
Livestock, poultry, and their products ..... farms..	50 500	.6
$1,000..	1 485 599	.3
Poultry and poultry products ..... farms..	903	1.0
$1,000..	240 744	.1
Dairy products ..... farms..	2 600	.9
$1,000..	237 849	.5
Cattle and calves ..... farms..	47 355	.6
$1,000..	553 436	.5
Hogs and pigs ..... farms..	1 523	.9
$1,000..	114 322	.3
Sheep, lambs, and wool ..... farms..	654	1.3
$1,000..	1 245	1.9
Other livestock and livestock products (see text) ..... farms..	3 689	.7
$1,000..	338 004	.1
Value of agricultural products sold directly to individuals for human consumption (see text) ..... farms..	1 748	.9
$1,000..	4 761	1.4

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ..... farms..	82 263	.6
$1,000..	2 033 070	.5
Average per farm ..... dollars..	24 714	.8
Livestock and poultry purchased ..... farms..	19 647	1.5
$1,000..	236 935	.9
Feed for livestock and poultry ..... farms..	39 926	1.0
$1,000..	341 123	.6
Commercially mixed formula feeds ..... farms..	21 539	1.5
$1,000..	232 290	.7
Seeds, bulbs, plants, and trees ..... farms..	44 944	.9
$1,000..	82 095	.9
Commercial fertilizer ..... farms..	63 592	.7
$1,000..	183 802	.8
Agricultural chemicals ..... farms..	42 350	1.0
$1,000..	84 326	.8
Petroleum products ..... farms..	77 810	.6
$1,000..	105 514	.8
Electricity ..... farms..	47 619	.9
$1,000..	29 183	1.0
Hired farm labor ..... farms..	33 464	1.1
$1,000..	209 578	.8
Contract labor ..... farms..	11 693	2.0
$1,000..	49 793	1.9
Repair and maintenance ..... farms..	63 768	.7
$1,000..	156 916	.9
Customwork, machine hire, and rental of machinery and equipment ..... farms..	20 304	1.5
$1,000..	31 027	1.7
Interest ..... farms..	31 739	1.2
$1,000..	179 810	1.2
Secured by real estate ..... farms..	24 789	1.4
$1,000..	137 429	1.4
Not secured by real estate ..... farms..	13 877	1.8
$1,000..	42 380	1.4
Cash rent ..... farms..	9 031	2.1
$1,000..	62 085	1.1
Property taxes ..... farms..	77 459	.6
$1,000..	59 942	1.0
All other farm production expenses ..... farms..	70 738	.7
$1,000..	220 941	.7
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]		
All farms ..... number..	82 264	.6
$1,000..	979 715	.8
Average per farm ..... dollars..	11 909	1.0
Farms with net gains[2] ..... number..	52 475	.8
$1,000..	1 145 308	.6
Average net gain ..... dollars..	21 826	1.0
Farms with net losses ..... number..	29 789	1.1
$1,000..	165 594	1.5
Average net loss ..... dollars..	5 559	1.9
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ..... farms..	20 965	.7
$1,000..	54 741	.5
Other farm-related income[1] ..... farms..	19 976	1.6
$1,000..	70 717	2.8
Customwork and other agricultural services ..... farms..	5 129	3.2
$1,000..	30 224	5.0
Gross cash rent or share payments ..... farms..	9 234	2.4
$1,000..	26 391	3.6
Forest products, excluding Christmas trees and maple products ..... farms..	1 645	5.8
$1,000..	9 563	7.6
Other farm-related income sources ..... farms..	7 260	2.6
$1,000..	4 538	3.5
COMMODITY CREDIT CORPORATION LOANS		
Total ..... farms..	1 603	1.0
$1,000..	22 923	.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	77 784	.6
	acres	8 549 027	.5
Harvested cropland	farms	68 953	.6
	acres	4 678 622	.4
Farms by acres harvested:			
1 to 9 acres	farms	22 095	.6
	acres	76 959	.6
10 to 19 acres	farms	11 072	.7
	acres	147 558	.7
20 to 29 acres	farms	8 098	.7
	acres	186 578	.7
30 to 49 acres	farms	9 283	.8
	acres	342 219	.8
50 to 99 acres	farms	9 197	.9
	acres	613 452	.9
100 to 199 acres	farms	4 869	.9
	acres	647 597	.9
200 to 499 acres	farms	2 807	.7
	acres	837 920	.7
500 to 999 acres	farms	873	.3
	acres	602 571	.3
1,000 acres or more	farms	659	–
	acres	1 223 768	–
Cropland:			
Pasture or grazing only	farms	46 723	.6
	acres	3 101 480	.7
Other cropland	farms	23 704	.6
	acres	768 925	.7
Total woodland	farms	47 699	.6
	acres	3 012 001	.6
Pastureland and rangeland other than cropland and woodland pastured	farms	16 010	.6
	acres	1 127 746	.6
Land in house lots, ponds, roads, wasteland, etc.	farms	53 434	.6
	acres	645 460	.6
Irrigated land	farms	4 104	.8
	acres	58 490	.6
Acres irrigated:			
1 to 9 acres	farms	2 787	.9
	acres	10 438	1.0
10 to 49 acres	farms	1 148	1.0
	acres	21 005	.9
50 to 99 acres	farms	106	1.5
	acres	6 527	1.5
100 to 199 acres	farms	30	3.2
	acres	3 912	3.2
200 to 499 acres	farms	19	–
	acres	5 422	–
500 to 999 acres	farms	11	–
	acres	6 971	–
1,000 acres or more	farms	3	–
	acres	4 215	–
Harvested cropland irrigated	farms	3 971	.8
	acres	54 948	.5
Pasture and other land irrigated	farms	229	2.1
	acres	3 542	3.6
Land under Conservation Reserve or Wetlands Reserve Programs	farms	6 189	.8
	acres	330 431	.9
VALUE OF LAND AND BUILDINGS[1]			
Estimated market value of land and buildings	farms	82 264	.6
	$1,000	18 943 221	.8
Average per farm	dollars	230 274	1.0
Average per acre	dollars	1 450	1.1
VALUE OF MACHINERY AND EQUIPMENT[1]			
Estimated market value of all machinery and equipment	farms	82 263	.6
	$1,000	2 741 593	.9
Average per farm	dollars	33 327	1.1
AGRICULTURAL CHEMICALS[1]			
Commercial fertilizer	farms	63 439	.7
	acres on which used	3 753 370	.9

Item		Total	Relative standard error of estimate (percent)
TENURE OF OPERATOR			
All operators	farms	82 273	.6
	acres	13 334 234	.5
Full owners	farms	58 840	.6
	acres	7 211 730	.6
Part owners	farms	17 222	.7
	acres	5 323 220	.5
Tenants	farms	6 211	.8
	acres	799 284	.8
OWNED AND RENTED LAND			
Land owned	farms	76 183	.6
	acres	10 374 528	.6
Owned land in farms	farms	76 062	.6
	acres	9 682 939	.6
Land rented or leased from others	farms	23 642	.7
	acres	3 693 021	.5
	landlords	50 246	.6
Rented or leased land in farms	farms	23 433	.7
	acres	3 651 295	.5
Land rented or leased to others	farms	11 365	.7
	acres	733 315	1.0
OPERATOR CHARACTERISTICS			
Operators by place of residence:			
On farm operated		58 367	.6
Not on farm operated		17 566	.7
Not reported		6 340	.7
Operators by principal occupation:			
Farming		33 841	.7
Other		48 432	.6
Operators by days worked off farm:			
Any		48 491	.6
200 days or more		35 100	.6
Operators by sex:			
Male	farms	74 862	.6
	acres	12 457 336	.5
Female	farms	7 411	.8
	acres	876 898	.9
Average age of operator	years	54.0	.9
FARMS BY TYPE OF ORGANIZATION			
Individual or family (sole proprietorship)	farms	71 307	.6
	acres	10 333 608	.6
Partnership	farms	9 353	.8
	acres	2 327 799	.6
Corporation:			
Family held	farms	1 098	1.2
	acres	494 597	.7
More than 10 stockholders	farms	22	5.7
10 or less stockholders	farms	1 076	1.2
Other than family held	farms	168	2.3
	acres	70 888	1.3
More than 10 stockholders	farms	9	8.9
10 or less stockholders	farms	159	2.4
Other—cooperative, estate or trust, institutional, etc.	farms	347	1.9
	acres	107 342	1.2
HIRED FARM LABOR[1]			
Hired workers by days worked:			
150 days or more	farms	7 706	2.2
	workers	14 600	1.6
Less than 150 days	farms	32 185	1.2
	workers	139 002	1.6
INJURIES AND DEATHS			
Farm-related injuries:			
Operator and family members	farms	611	1.3
	number	679	1.4
Hired workers	farms	343	1.2
	number	558	1.1
Farm-related deaths:			
Operator and family members	farms	14	–
	number	14	–
Hired workers	farms	1	–
	number	(D)	(D)

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	7 114	.7
	acres	29 852	.7
10 to 49 acres	farms	20 754	.6
	acres	564 632	.6
50 to 69 acres	farms	8 163	.7
	acres	474 272	.7
70 to 99 acres	farms	9 575	.7
	acres	794 448	.7
100 to 139 acres	farms	10 029	.7
	acres	1 161 529	.7
140 to 179 acres	farms	6 225	.8
	acres	976 981	.8
180 to 219 acres	farms	4 601	.9
	acres	909 610	.9
220 to 259 acres	farms	3 152	.9
	acres	752 110	.9
260 to 499 acres	farms	7 769	.9
	acres	2 720 290	.9
500 to 999 acres	farms	3 399	.8
	acres	2 270 352	.7
1,000 to 1,999 acres	farms	1 104	–
	acres	1 460 804	–
2,000 acres or more	farms	388	–
	acres	1 219 354	–
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM			
Oilseed and grain farming (1111)	farms	6 984	.7
	acres	2 896 465	.4
Vegetable and melon farming (1112)	farms	393	1.7
	acres	24 578	2.6
Fruit and tree nut farming (1113)	farms	289	1.9
	acres	32 525	2.0
Greenhouse, nursery, and floriculture production (1114)	farms	683	1.3
	acres	43 885	1.6
Other crop farming (1119)	farms	41 305	.6
	acres	5 562 389	.7
Beef cattle ranching and farming (112111)	farms	24 962	.6
	acres	3 517 273	.6
Cattle feedlots (112112)	farms	877	1.2
	acres	131 043	1.4
Dairy cattle and milk production (11212)	farms	2 010	.9
	acres	555 240	.7
Hog and pig farming (1122)	farms	588	1.2
	acres	162 334	.8
Poultry and egg production (1123)	farms	418	1.1
	acres	65 525	.7
Sheep and goat farming (1124)	farms	269	2.0
	acres	14 989	2.8
Animal aquaculture and other animal production (1125, 1129)	farms	3 495	.8
	acres	327 988	.7
LIVESTOCK			
Cattle and calves inventory	farms	48 898	.6
	number	2 428 891	.6
Beef cows	farms	41 171	.6
	number	1 126 748	.7
Milk cows	farms	3 393	.8
	number	145 557	.6
Cattle and calves sold	farms	47 355	.6
	number	1 388 647	.6
	$1,000	553 436	.5
Hogs and pigs inventory	farms	1 881	.9
	number	563 797	.3
Hogs and pigs sold	farms	1 523	.9
	number	1 100 523	.3
	$1,000	114 322	.3
Sheep and lambs of all ages inventory	farms	795	1.2
	number	21 664	1.7
Sheep and lambs sold	farms	598	1.4
	number	15 555	1.8
Horses and ponies inventory	farms	13 400	.6
	number	95 932	.7
Horses and ponies sold	farms	2 855	.8
	number	17 854	.6
POULTRY			
Layers and pullets 13 weeks old and older inventory (see text)	farms	1 991	.9
	number	3 500 904	1.1
Layers 20 weeks old and older	farms	1 882	.9
	number	2 822 970	1.0
Broilers and other meat-type chickens sold	farms	243	.9
	number	91 548 829	(L)
SELECTED CROPS HARVESTED			
Corn for grain or seed	farms	11 021	.7
	acres	1 086 381	.3
	bushels	110 787 023	.3
Corn for silage or green chop	farms	3 062	.8
	acres	104 920	.5
	tons, green	1 438 492	.5
Wheat for grain	farms	3 180	.7
	acres	408 771	.2
	bushels	21 658 648	.2
Tobacco	farms	44 967	.7
	acres	255 053	.7
	pounds	505 257 589	.7
Soybeans for beans	farms	6 644	.7
	acres	1 214 938	.3
	bushels	41 294 246	.3
Potatoes, excluding sweetpotatoes	farms	330	1.9
	acres	1 133	4.2
	cwt	155 863	3.4
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	46 388	.6
	acres	2 009 061	.7
	tons, dry	4 138 965	.7
Alfalfa hay	farms	10 757	.7
	acres	228 087	.7
	tons, dry	607 143	.7
Vegetables harvested for sale (see text)	farms	1 007	1.1
	acres	4 486	1.2
Land in orchards	farms	715	1.3
	acres	3 537	2.3

[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..	36 171	.8
Land in farms ..... acres..	9 701 625	.6
Average size of farm ..... acres..	268	1.0
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ..... farms..	36 171	.8
$1,000..	2 896 626	.4
Average per farm ..... dollars..	80 081	.9
Farms by value of sales:		
$10,000 to $19,999 ..... farms..	13 696	.8
$1,000..	193 927	.8
$20,000 to $24,999 ..... farms..	3 692	1.1
$1,000..	82 202	1.1
$25,000 to $39,999 ..... farms..	6 086	1.0
$1,000..	190 442	1.0
$40,000 to $49,999 ..... farms..	2 253	1.2
$1,000..	100 079	1.2
$50,000 to $99,999 ..... farms..	4 843	1.1
$1,000..	338 423	1.1
$100,000 to $249,999 ..... farms..	3 528	.6
$1,000..	534 371	.5
$250,000 to $499,999 ..... farms..	1 245	–
$1,000..	430 353	–
$500,000 or more ..... farms..	828	–
$1,000..	1 026 828	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops ..... farms..	32 030	.8
$1,000..	1 485 170	.5
Grains ..... farms..	8 655	.7
$1,000..	618 793	.2
Corn for grain ..... farms..	6 350	.7
$1,000..	270 454	.2
Wheat ..... farms..	2 911	.7
$1,000..	69 793	.2
Soybeans ..... farms..	5 781	.7
$1,000..	271 117	.3
Sorghum for grain ..... farms..	86	2.4
$1,000..	1 047	2.5
Barley ..... farms..	73	1.8
$1,000..	799	.8
Oats ..... farms..	22	6.8
$1,000..	52	3.9
Other grains ..... farms..	120	1.7
$1,000..	5 531	.8
Cotton and cottonseed ..... farms..	1	–
$1,000..	(D)	(D)
Tobacco ..... farms..	27 020	.8
$1,000..	757 596	.7
Hay, silage, and field seeds ..... farms..	7 802	.8
$1,000..	43 382	.8
Vegetables, sweet corn, and melons ..... farms..	597	1.4
$1,000..	7 179	1.5
Fruits, nuts, and berries ..... farms..	220	2.1
$1,000..	2 052	2.3
Nursery and greenhouse crops ..... farms..	742	1.2
$1,000..	55 085	.5
Other crops ..... farms..	185	2.4
$1,000..	(D)	(D)
Livestock, poultry, and their products ..... farms..	26 513	.8
$1,000..	1 411 456	.3
Poultry and poultry products ..... farms..	495	1.1
$1,000..	240 520	.1
Dairy products ..... farms..	2 565	.9
$1,000..	237 759	.5
Cattle and calves ..... farms..	25 246	.8
$1,000..	484 607	.5
Hogs and pigs ..... farms..	1 117	1.0
$1,000..	113 502	.3
Sheep, lambs, and wool ..... farms..	289	1.9
$1,000..	887	2.4
Other livestock and livestock products (see text) ..... farms..	1 587	.9
$1,000..	334 181	.1
Value of agricultural products sold directly to individuals for human consumption (see text) ..... farms..	782	1.3
$1,000..	3 595	1.7

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ..... farms..	36 135	.8
$1,000..	1 824 828	.5
Average per farm ..... dollars..	50 500	.9
Livestock and poultry purchased ..... farms..	11 541	1.8
$1,000..	223 011	.9
Feed for livestock and poultry ..... farms..	21 165	1.2
$1,000..	323 726	.7
Commercially mixed formula feeds ..... farms..	11 964	1.8
$1,000..	225 809	.7
Seeds, bulbs, plants, and trees ..... farms..	27 015	1.1
$1,000..	77 773	.9
Commercial fertilizer ..... farms..	33 624	.9
$1,000..	165 431	.8
Agricultural chemicals ..... farms..	26 328	1.1
$1,000..	80 750	.8
Petroleum products ..... farms..	35 596	.8
$1,000..	88 014	.8
Electricity ..... farms..	26 758	1.1
$1,000..	24 736	1.1
Hired farm labor ..... farms..	21 396	1.2
$1,000..	200 207	.8
Contract labor ..... farms..	8 502	2.2
$1,000..	47 236	1.9
Repair and maintenance ..... farms..	32 152	.9
$1,000..	124 983	.9
Customwork, machine hire, and rental of machinery and equipment ..... farms..	12 729	1.8
$1,000..	26 849	1.8
Interest ..... farms..	19 247	1.4
$1,000..	147 547	1.3
Secured by real estate ..... farms..	14 566	1.6
$1,000..	108 759	1.6
Not secured by real estate ..... farms..	9 656	2.0
$1,000..	38 789	1.5
Cash rent ..... farms..	7 057	2.3
$1,000..	60 467	1.1
Property taxes ..... farms..	33 799	.8
$1,000..	37 822	1.3
All other farm production expenses ..... farms..	36 132	.8
$1,000..	196 276	.7
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]		
All farms ..... number..	36 136	.8
$1,000..	1 019 549	.7
Average per farm ..... dollars..	28 214	1.1
Farms with net gains[2] ..... number..	31 021	.9
$1,000..	1 093 034	.6
Average net gain ..... dollars..	35 235	1.1
Farms with net losses ..... number..	5 115	3.0
$1,000..	73 485	2.2
Average net loss ..... dollars..	14 367	3.8
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ..... farms..	12 530	.8
$1,000..	40 439	.5
Other farm-related income[1] ..... farms..	9 742	2.1
$1,000..	47 673	3.5
Customwork and other agricultural services ..... farms..	2 870	4.1
$1,000..	23 398	6.0
Gross cash rent or share payments ..... farms..	3 069	4.0
$1,000..	14 796	4.9
Forest products, excluding Christmas trees and maple products ..... farms..	852	7.8
$1,000..	5 683	9.2
Other farm-related income sources ..... farms..	5 066	3.0
$1,000..	3 796	2.7
COMMODITY CREDIT CORPORATION LOANS		
Total ..... farms..	1 331	1.0
$1,000..	22 408	.6

See footnotes at end of table.

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

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

Item		Total	Relative standard error of estimate (percent)
LAND IN FARMS ACCORDING TO USE			
Total cropland	farms	35 456	.8
	acres	6 758 462	.6
Harvested cropland	farms	34 479	.8
	acres	4 122 774	.4
Cropland:			
Pasture or grazing only	farms	23 402	.8
	acres	2 230 856	.8
Total woodland	farms	22 022	.8
	acres	1 760 968	.7
Pastureland and rangeland other than cropland and woodland pastured	farms	7 730	.8
	acres	805 811	.6
Land in house lots, ponds, roads, wasteland, etc.	farms	24 213	.8
	acres	376 384	.7
Irrigated land	farms	3 425	.9
	acres	55 457	.5
Harvested cropland irrigated	farms	3 363	.9
	acres	52 985	.5
Pasture and other land irrigated	farms	144	2.6
	acres	2 472	4.6
Land under Conservation Reserve or Wetlands Reserve Programs	farms	2 360	1.0
	acres	138 778	1.0
VALUE OF LAND AND BUILDINGS[1]			
Estimated market value of land and buildings	farms	36 136	.8
	$1,000	13 302 207	.9
Average per farm	dollars	368 115	1.2
Average per acre	dollars	1 402	1.3
VALUE OF MACHINERY AND EQUIPMENT[1]			
Estimated market value of all machinery and equipment	farms	36 135	.8
	$1,000	1 813 317	1.0
Average per farm	dollars	50 182	1.3
AGRICULTURAL CHEMICALS[1]			
Commercial fertilizer	farms	33 594	.9
	acres on which used	3 318 868	.9
TENURE OF OPERATOR			
All operators	farms	36 171	.8
	acres	9 701 625	.6
Full owners	farms	20 956	.8
	acres	4 252 389	.7
Part owners	farms	11 823	.8
	acres	4 792 320	.5
Tenants	farms	3 392	1.0
	acres	656 916	.9
OWNED AND RENTED LAND			
Land owned	farms	32 830	.8
	acres	6 830 034	.7
Owned land in farms	farms	32 779	.8
	acres	6 457 556	.7
Land rented or leased from others	farms	15 316	.8
	acres	3 275 771	.5
	landlords	37 683	.7
Rented or leased land in farms	farms	15 215	.8
	acres	3 244 069	.5
Land rented or leased to others	farms	5 050	.9
	acres	404 180	1.1
OPERATOR CHARACTERISTICS			
Operators by place of residence:			
On farm operated		25 976	.8
Not on farm operated		7 581	.9
Not reported		2 614	.8
Operators by principal occupation:			
Farming		21 331	.8
Other		14 840	.8
Operators by days worked off farm:			
Any		18 243	.8
200 days or more		11 740	.8
Operators by sex:			
Male		33 778	.8
Female		2 393	1.1
Average age of operator	years	53.9	1.1

Item		Total	Relative standard error of estimate (percent)
FARMS BY TYPE OF ORGANIZATION			
Individual or family (sole proprietorship)	farms	29 545	.8
	acres	7 120 197	.6
Partnership	farms	5 586	.9
	acres	1 993 205	.6
Corporation:			
Family held	farms	795	1.2
	acres	450 570	.6
More than 10 stockholders	farms	12	7.9
10 or less stockholders	farms	783	1.2
Other than family held	farms	103	2.6
	acres	59 240	1.1
More than 10 stockholders	farms	4	11.9
10 or less stockholders	farms	99	2.7
Other—cooperative, estate or trust, institutional, etc.	farms	142	2.5
	acres	78 413	1.3
HIRED FARM LABOR[1]			
Hired workers by days worked:			
150 days or more	farms	5 317	2.4
	workers	12 155	1.7
Less than 150 days	farms	20 232	1.3
	workers	105 570	1.9
INJURIES AND DEATHS			
Farm-related injuries:			
Operator and family members	farms	355	1.6
	number	401	1.7
Hired workers	farms	300	1.2
	number	495	.9
Farm-related deaths:			
Operator and family members	farms	8	–
	number	(D)	(D)
Hired workers	farms	1	–
	number	(D)	(D)
FARMS BY SIZE			
1 to 9 acres		1 652	1.1
10 to 49 acres		3 967	.9
50 to 69 acres		2 246	1.0
70 to 99 acres		3 717	.9
100 to 139 acres		4 857	1.0
140 to 179 acres		3 693	1.0
180 to 219 acres		3 052	1.1
220 to 259 acres		2 261	1.1
260 to 499 acres		6 226	.9
500 to 999 acres		3 058	.7
1,000 to 1,999 acres		1 065	–
2,000 acres or more		377	–
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM			
Oilseed and grain farming (1111)		3 720	.7
Vegetable and melon farming (1112)		129	2.8
Fruit and tree nut farming (1113)		42	4.3
Greenhouse, nursery, and floriculture production (1114)		418	1.5
Other crop farming (1119)		20 612	.9
Beef cattle ranching and farming (112111)		7 376	.9
Cattle feedlots (112112)		392	1.6
Dairy cattle and milk production (11212)		1 988	.9
Hog and pig farming (1122)		389	1.3
Poultry and egg production (1123)		295	.9
Sheep and goat farming (1124)		15	7.4
Animal aquaculture and other animal production (1125, 1129)		795	1.0
LIVESTOCK			
Cattle and calves inventory	farms	24 913	.8
	number	1 937 673	.7
Beef cows	farms	20 803	.8
	number	855 513	.8
Milk cows	farms	2 784	.9
	number	143 728	.6
Cattle and calves sold	farms	25 246	.8
	number	1 176 436	.6
	$1,000	484 607	.5
Hogs and pigs inventory	farms	1 186	1.0
	number	556 148	.3
Hogs and pigs sold	farms	1 117	1.0
	number	1 091 303	.3
	$1,000	113 502	.3
Sheep and lambs of all ages inventory	farms	322	1.8
	number	13 811	2.2
Sheep and lambs sold	farms	271	1.9
	number	10 587	2.3
Horses and ponies inventory	farms	4 943	.8
	number	50 511	.7
Horses and ponies sold	farms	1 322	.9
	number	14 533	.7

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	626	1.4
	number	3 460 021	1.1
Layers 20 weeks old and older	farms	583	1.5
	number	2 798 050	1.0
Broilers and other meat-type chickens sold	farms	221	.7
	number	91 547 096	(L)
SELECTED CROPS HARVESTED			
Corn for grain or seed	farms	8 931	.8
	acres	1 064 533	.3
	bushels	109 354 549	.3
Corn for silage or green chop	farms	2 839	.8
	acres	102 272	.5
	tons, green	1 408 851	.5
Wheat for grain	farms	3 002	.7
	acres	406 628	.2
	bushels	21 579 431	.2
Tobacco	farms	27 025	.8
	acres	225 352	.7
	pounds	458 087 882	.7
Soybeans for beans	farms	5 791	.7
	acres	1 197 226	.3
	bushels	40 830 661	.3
Potatoes, excluding sweetpotatoes	farms	170	2.6
	acres	875	4.7
	cwt	121 355	3.9
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms	24 412	.8
	acres	1 523 036	.7
	tons, dry	3 304 282	.7
Alfalfa hay	farms	7 369	.9
	acres	191 901	.8
	tons, dry	530 436	.8
Vegetables harvested for sale (see text)	farms	597	1.4
	acres	3 726	1.4
Land in orchards	farms	235	2.0
	acres	1 939	3.4

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

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	–8.9	1.0	–10.7	1.1
Land in farms ..... acres	–2.4	.9	–3.3	.9
Average size of farm ..... acres	7.3	1.6	8.1	1.7
Estimated market value of land and buildings[1]:				
Average per farm ..... dollars	40.7	2.4	40.2	2.6
Average per acre ..... dollars	34.6	2.3	33.1	2.4
Estimated market value of all machinery and equipment[1]:				
Average per farm ..... dollars	33.7	2.3	23.0	2.3
Farms by size:				
1 to 9 acres	–31.6	1.0	–27.8	1.2
10 to 49 acres	–5.3	1.2	–11.7	1.3
50 to 179 acres	–6.9	.8	–12.1	.9
180 to 499 acres	–6.4	1.0	–9.2	1.0
500 to 999 acres	–2.0	1.0	–3.5	1.0
1,000 to 1,999 acres	3.6	–	2.9	–
2,000 acres or more	16.5	–	16.7	–
Total cropland ..... farms	–9.9	1.0	–11.0	1.1
acres	–3.7	.8	–4.0	.8
Harvested cropland ..... farms	–13.4	1.0	–11.5	1.1
acres	5.9	.7	5.3	.7
Irrigated land ..... farms	93.6	2.6	163.3	3.7
acres	111.6	2.2	125.3	2.3
Market value of agricultural products sold $1,000	15.0	.7	17.4	.7
Average per farm ..... dollars	26.2	1.6	31.6	1.8
Crops, including nursery and greenhouse crops $1,000	8.9	.8	12.1	.8
Livestock, poultry, and their products $1,000	22.4	.6	23.7	.6
Farms by value of sales:				
Less than $2,500	7.1	1.2	(X)	(X)
$2,500 to $4,999	–14.8	1.2	(X)	(X)
$5,000 to $9,999	–16.0	1.2	(X)	(X)
$10,000 to $24,999	–14.6	1.1	–14.6	1.1
$25,000 to $49,999	–13.3	1.2	–13.3	1.2
$50,000 to $99,999	–12.2	1.3	–12.2	1.3
$100,000 to $249,999	1.6	.6	1.6	.6
$250,000 to $499,999	13.8	–	13.8	–
$500,000 or more	79.2	–	79.2	–
Total farm production expenses[1] $1,000	11.2	.9	12.7	1.1
Average per farm ..... dollars	22.0	1.7	25.9	1.8
Net cash return from agricultural sales for the farm unit (see text)[1] ..... farms	–8.9	1.1	–10.5	1.1
$1,000	19.8	1.4	23.3	1.4
Average per farm ..... dollars	31.5	2.2	37.8	2.3
Operators by principal occupation:				
Farming	–15.8	1.0	–14.0	1.1
Other	–3.3	1.2	–5.6	1.3
Operators by days worked off farm:				
Any	–5.1	1.1	–6.9	1.2
200 days or more	–3.8	1.2	–5.9	1.3
Livestock and poultry:				
Cattle and calves inventory ..... farms	–7.0	1.1	–11.3	1.2
number	–3.0	1.0	–4.2	1.0
Beef cows ..... farms	–4.0	1.1	–8.1	1.2
number	3.5	1.2	2.1	1.2
Milk cows ..... farms	–31.9	.8	–31.9	.8
number	–21.8	.6	–21.9	.6
Cattle and calves sold ..... farms	–5.6	1.1	–10.6	1.2
number	8.7	1.0	7.6	1.0
Hogs and pigs inventory ..... farms	–61.4	.5	–60.9	.6
number	–27.9	.4	–25.9	.4
Hogs and pigs sold ..... farms	–64.9	.5	–62.4	.5
number	–24.9	.4	–23.1	.4
Sheep and lambs inventory ..... farms	–23.0	1.4	–32.1	1.7
number	–42.6	1.4	–48.0	1.5
Layers and pullets 13 weeks old and older inventory (see text) ..... farms	–36.3	1.0	–35.8	1.3
number	32.8	1.5	33.8	1.5
Broilers and other meat-type chickens sold ..... farms	120.9	5.0	151.1	4.7
number	231.4	2.2	231.7	2.2
Selected crops harvested:				
Corn for grain or seed ..... farms	–35.0	.7	–31.6	.8
acres	–6.8	.4	–5.7	.4
bushels	–23.7	.3	–23.0	.3
Corn for silage or green chop ..... farms	–20.6	.9	–19.8	.9
acres	–.1	.7	.5	.7
tons, green	–17.0	.6	–16.6	.6
Wheat for grain ..... farms	–18.1	.8	–16.5	.8
acres	25.3	.5	26.0	.5
bushels	33.3	.4	33.9	.4
Tobacco ..... farms	–24.3	.9	–16.3	1.1
acres	–4.9	1.0	.4	1.1
pounds	–6.8	1.0	–2.7	1.0
Soybeans for beans ..... farms	–7.5	.9	–5.4	1.0
acres	17.9	.5	18.7	.5
bushels	9.3	.4	9.9	.4
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ..... farms	–2.3	1.1	–9.0	1.2
acres	9.3	1.2	5.9	1.2
tons, dry	10.1	1.1	6.1	1.1

[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)
Kentucky	**82 273**	**.6**	**13 334 234**	**.5**	**162**	**.8**	**230 274**	**1.0**	**2 741 593**	**.9**
Adair	1 350	.7	160 437	1.1	119	1.3	120 984	6.9	32 711	6.2
Allen	1 097	.6	159 149	1.0	145	1.2	153 118	5.5	26 678	7.4
Anderson	691	.6	83 948	1.3	121	1.4	246 116	8.4	20 523	10.3
Ballard	482	.5	118 597	.9	246	1.0	321 867	5.4	27 767	3.6
Barren	2 000	.8	249 683	1.1	125	1.4	179 785	5.9	61 099	7.4
Bath	799	.7	128 696	1.3	161	1.5	150 225	6.3	24 444	8.0
Bell	54	.9	3 684	5.6	68	5.7	103 976	11.4	757	6.8
Boone	691	.5	79 855	1.2	116	1.3	356 083	9.4	22 648	7.7
Bourbon	910	.7	196 537	.9	216	1.1	521 732	4.1	38 439	4.4
Boyd	207	.5	26 094	1.8	126	1.9	182 435	9.8	4 960	11.1
Boyle	673	.5	94 905	1.0	141	1.1	228 096	6.0	20 737	6.6
Bracken	656	.6	91 714	1.1	140	1.3	160 124	6.4	19 243	5.9
Breathitt	193	.7	46 646	2.0	242	2.1	216 840	17.5	3 175	10.5
Breckinridge	1 379	.6	267 918	.8	194	1.1	195 122	6.6	46 390	5.5
Bullitt	564	.5	56 570	1.2	100	1.3	305 715	12.3	20 349	12.0
Butler	700	.7	151 373	1.0	216	1.2	191 514	7.3	20 201	8.6
Caldwell	608	.7	148 020	1.1	243	1.3	203 838	5.4	20 404	4.7
Calloway	749	.5	145 909	.7	195	.9	305 056	4.9	37 467	4.5
Campbell	503	.3	45 108	.9	90	1.0	273 774	9.4	13 737	10.6
Carlisle	323	.4	90 258	.7	279	.8	284 846	6.9	14 829	4.9
Carroll	324	.6	59 975	1.5	185	1.6	209 075	6.5	10 370	8.7
Carter	872	.7	108 672	1.1	125	1.3	95 177	9.4	17 944	8.1
Casey	1 332	.7	190 623	1.1	143	1.3	113 642	4.4	29 636	6.4
Christian	1 158	.6	309 615	.6	267	.9	369 673	3.3	69 003	5.1
Clark	847	.6	146 819	1.0	173	1.1	318 042	4.4	24 746	4.2
Clay	402	.6	57 164	1.7	142	1.8	138 103	10.2	10 280	9.8
Clinton	639	.8	78 057	1.5	122	1.7	163 164	11.2	14 790	10.6
Crittenden	599	.5	141 557	.9	236	1.0	180 201	6.6	16 244	7.7
Cumberland	524	.9	108 409	1.6	207	1.9	132 377	16.0	10 879	10.4
Daviess	1 042	.5	250 921	.4	241	.6	387 508	2.5	59 087	3.5
Edmonson	706	.6	89 568	1.2	127	1.4	134 005	10.1	15 974	6.8
Elliott	439	.5	57 663	1.5	131	1.6	102 052	12.5	8 500	11.8
Estill	432	.6	62 104	1.7	144	1.8	199 116	9.3	10 919	13.9
Fayette	745	.6	135 923	.8	182	1.0	674 160	4.9	39 693	7.7
Fleming	1 132	.8	189 048	1.2	167	1.4	173 215	4.8	35 870	4.8
Floyd	59	.7	7 319	5.2	124	5.3	135 120	7.2	1 032	5.3
Franklin	675	.6	82 636	1.3	122	1.5	222 992	8.5	20 466	9.6
Fulton	162	.5	93 677	.5	578	.7	742 557	1.6	16 699	1.6
Gallatin	253	.6	36 406	1.9	144	2.0	197 373	9.0	7 925	11.3
Garrard	880	.7	124 749	1.3	142	1.5	198 576	6.5	25 776	11.0
Grant	936	.6	115 355	1.2	123	1.3	188 919	5.9	25 175	7.4
Graves	1 371	.6	237 083	.7	173	.9	241 913	4.3	58 778	3.7
Grayson	1 412	.6	208 828	.9	148	1.1	155 016	5.4	36 387	6.4
Green	1 059	.7	129 123	1.2	122	1.4	127 398	5.9	29 654	4.9
Greenup	733	.5	97 967	1.2	134	1.3	140 072	8.0	15 959	9.1
Hancock	449	.6	65 046	1.1	145	1.3	177 060	10.2	13 315	10.9
Hardin	1 637	.6	222 972	.9	136	1.0	235 285	5.0	50 947	6.2
Harlan	27	.8	2 326	3.9	86	4.0	142 142	8.1	455	7.3
Harrison	1 079	.5	169 381	.9	157	1.0	226 168	6.2	32 412	5.5
Hart	1 352	.8	186 446	1.1	138	1.3	149 170	5.3	37 950	7.3
Henderson	526	.4	196 277	.4	373	.6	561 113	2.4	40 791	3.5
Henry	955	.7	149 179	1.0	156	1.2	242 874	5.7	35 147	5.7
Hickman	294	.5	114 598	.5	390	.7	511 987	5.6	30 133	5.8
Hopkins	538	.5	141 248	.7	263	.9	279 470	6.6	23 464	7.8
Jackson	689	.6	73 677	1.6	107	1.7	106 110	6.7	14 115	7.9
Jefferson	475	.6	34 028	1.8	72	1.9	331 450	7.6	15 838	6.4
Jessamine	754	.5	88 508	1.2	117	1.3	329 067	5.6	23 606	6.9
Johnson	182	.6	20 389	2.4	112	2.5	138 849	19.1	3 597	8.7
Kenton	442	.4	37 788	1.3	85	1.4	271 234	11.3	11 183	10.3
Knott	21	1.6	3 710	5.6	177	5.8	159 372	11.3	442	7.7
Knox	322	.7	46 470	1.8	144	2.0	166 030	18.0	8 092	8.0
Larue	806	.5	116 503	1.0	145	1.1	217 186	7.0	30 791	10.9
Laurel	1 083	.5	95 610	1.1	88	1.2	169 827	10.7	23 121	5.5
Lawrence	297	.4	48 940	1.5	165	1.6	119 008	19.7	7 132	18.7
Lee	161	.7	23 956	3.0	149	3.1	92 843	6.7	2 880	8.2
Leslie	17	1.1	2 670	2.7	157	2.9	85 006	9.7	139	9.0
Letcher	31	1.0	2 686	7.1	87	7.1	69 696	9.4	510	9.8
Lewis	774	.5	143 179	1.0	185	1.2	154 177	5.3	17 662	5.7
Lincoln	1 258	.6	170 356	1.1	135	1.3	163 039	5.3	30 069	5.3
Livingston	405	.6	117 279	.9	290	1.1	210 338	7.7	12 589	8.8
Logan	1 203	.7	273 455	.8	227	1.1	318 522	4.8	57 852	4.4
Lyon	249	.5	48 344	1.2	194	1.3	245 517	12.4	11 081	23.9
McCracken	457	.5	66 547	1.0	146	1.1	194 839	6.7	15 295	5.7
McCreary	108	.8	10 902	3.8	101	3.9	95 834	9.8	2 336	9.2
McLean	422	.7	134 356	.7	318	1.0	537 980	4.2	34 439	4.0
Madison	1 444	.6	221 605	.9	153	1.1	269 775	5.8	37 142	3.6
Magoffin	373	.9	40 715	2.4	109	2.6	89 194	9.8	5 074	10.4
Marion	983	.7	166 135	1.0	169	1.2	187 848	4.9	39 399	8.0
Marshall	673	.5	89 337	1.2	133	1.3	224 725	6.1	24 636	7.9
Martin	9	.8	2 230	3.8	248	3.9	288 407	7.2	275	7.9
Mason	751	.8	131 457	1.2	175	1.4	229 014	6.8	24 339	6.5
Meade	841	.5	120 645	1.1	143	1.2	240 600	6.8	31 346	10.5
Menifee	346	.7	38 135	1.7	110	1.9	99 426	9.1	7 406	20.7
Mercer	976	.5	126 389	.9	129	1.0	223 639	4.7	31 847	7.9

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	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)
Metcalfe	950	.7	133 706	1.2	141	1.4	181 717	14.6	26 335	6.9
Monroe	973	.7	167 161	1.0	172	1.3	168 641	6.3	27 701	7.7
Montgomery	734	.7	111 651	1.3	152	1.5	192 786	7.3	19 967	6.1
Morgan	698	.7	111 300	1.5	159	1.6	94 363	12.2	14 195	9.3
Muhlenberg	559	.5	114 824	.9	205	1.0	188 983	4.3	19 465	9.7
Nelson	1 249	.6	176 468	1.0	141	1.2	274 761	5.5	46 655	4.6
Nicholas	567	.7	106 292	1.3	187	1.5	180 803	6.3	17 993	9.0
Ohio	943	.6	162 179	.8	172	1.0	200 658	6.5	28 902	6.8
Oldham	392	.4	70 535	1.0	180	1.1	487 817	5.7	15 631	6.3
Owen	803	.6	150 444	1.0	187	1.2	229 613	5.8	32 926	10.8
Owsley	246	.8	31 767	2.7	129	2.8	109 037	18.5	6 475	18.4
Pendleton	816	.5	116 691	1.1	143	1.2	182 234	6.0	26 168	7.4
Perry	29	.9	6 784	5.6	234	5.7	237 605	9.1	1 067	5.4
Pike	37	.7	5 851	6.0	158	6.0	143 358	8.5	705	5.7
Powell	231	.6	28 490	2.4	123	2.4	129 932	14.3	5 418	10.3
Pulaski	1 958	.5	214 849	.9	110	1.0	166 403	5.2	51 935	5.3
Robertson	272	.6	47 849	1.6	176	1.7	138 935	11.8	7 501	14.0
Rockcastle	771	.6	93 657	1.3	121	1.4	130 060	10.4	17 456	6.3
Rowan	413	.6	42 472	1.7	103	1.8	129 286	7.8	8 432	9.0
Russell	943	.6	94 837	1.2	101	1.3	151 927	7.1	18 544	5.8
Scott	851	.5	145 858	.9	171	1.0	392 203	4.4	32 551	7.4
Shelby	1 399	.6	198 639	.8	142	1.0	353 399	5.6	54 943	4.2
Simpson	582	.7	114 972	.8	198	1.0	348 404	4.6	27 625	3.8
Spencer	592	.6	81 071	1.2	137	1.3	260 141	6.8	19 606	4.9
Taylor	971	.7	112 307	1.3	116	1.5	149 090	8.0	28 438	7.4
Todd	679	.6	189 968	.7	280	1.0	378 171	4.4	35 747	5.5
Trigg	411	.7	116 966	1.0	285	1.2	369 264	5.4	30 508	9.7
Trimble	526	.6	64 144	1.5	122	1.6	170 570	7.5	12 822	9.0
Union	352	.6	211 642	.5	601	.8	880 786	3.7	38 650	3.5
Warren	1 819	.7	254 813	1.0	140	1.3	241 805	5.6	62 665	5.1
Washington	1 050	.6	157 392	.9	150	1.1	184 880	4.7	26 510	4.2
Wayne	803	.5	131 366	1.2	164	1.3	142 410	5.9	22 536	5.3
Webster	455	.5	136 292	.7	300	.8	324 240	3.0	27 926	6.7
Whitley	368	.6	43 526	1.7	118	1.8	150 785	12.9	9 257	11.9
Wolfe	382	.8	56 718	1.9	148	2.1	131 047	17.0	7 873	13.6
Woodford	678	.7	122 917	.9	181	1.1	548 469	5.0	33 275	6.1

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)
Kentucky	**33 327**	**1.1**	**3 064 460**	**.4**	**37 247**	**.7**	**82 263**	**.6**	**2 033 070**	**.5**
Adair	24 230	6.3	29 640	1.2	21 956	1.4	1 350	.8	19 434	4.5
Allen	24 297	7.5	35 124	.6	32 019	.9	1 098	.8	30 356	2.4
Anderson	29 744	10.3	11 397	1.5	16 494	1.6	690	.8	8 401	10.4
Ballard	57 609	3.7	34 703	.5	71 998	.7	482	.7	23 778	1.3
Barren	30 534	7.5	59 789	.9	29 894	1.2	2 001	.9	41 360	2.5
Bath	30 517	8.0	22 751	1.1	28 475	1.3	801	.9	12 754	4.4
Bell	14 009	8.3	127	5.3	2 352	5.4	54	4.8	151	6.6
Boone	32 775	7.8	15 856	1.0	22 946	1.1	691	.6	11 339	6.3
Bourbon	42 240	4.5	89 869	.4	98 757	.8	909	.8	49 152	1.5
Boyd	23 963	11.1	2 271	2.5	10 969	2.6	207	1.0	1 922	22.3
Boyle	30 859	6.6	27 040	.6	40 178	.8	672	.7	17 622	2.7
Bracken	29 334	5.9	17 639	1.2	26 888	1.3	656	.8	9 122	4.9
Breathitt	16 536	10.6	1 419	2.5	7 351	2.6	192	1.2	893	7.6
Breckinridge	33 616	5.5	31 955	.8	23 172	1.0	1 380	.7	22 596	2.8
Bullitt	36 079	12.0	7 583	1.0	13 445	1.1	564	.7	6 777	6.1
Butler	28 776	8.7	21 536	.7	30 766	1.0	702	.8	16 911	2.4
Caldwell	33 560	4.8	22 631	.8	37 221	1.1	608	.8	16 764	4.3
Calloway	50 023	4.5	49 112	.5	65 571	.7	749	.7	33 831	2.1
Campbell	27 311	10.6	5 441	1.7	10 817	1.7	503	.7	4 647	6.1
Carlisle	45 910	5.0	24 949	.5	77 243	.6	323	.9	17 465	2.7
Carroll	31 906	8.8	8 693	1.3	26 829	1.4	325	1.0	4 769	4.2
Carter	20 555	8.2	9 373	1.4	10 748	1.6	873	.8	6 305	11.4
Casey	22 249	6.5	28 805	1.0	21 625	1.2	1 332	.8	17 427	3.9
Christian	59 588	5.2	82 557	.4	71 293	.7	1 158	.7	57 441	1.8
Clark	29 217	4.3	35 471	.7	41 879	1.0	847	.8	20 926	3.1
Clay	25 636	9.9	5 297	1.4	13 176	1.5	401	.8	3 688	8.6
Clinton	23 146	10.7	10 978	1.6	17 179	1.8	639	1.0	6 932	4.6
Crittenden	27 119	7.7	9 884	1.2	16 502	1.3	599	.8	7 622	4.0
Cumberland	20 801	10.5	7 611	2.0	14 525	2.2	523	1.2	4 845	14.7
Daviess	56 760	3.5	71 279	.3	68 406	.6	1 042	.6	47 282	1.0
Edmonson	22 626	6.9	10 713	1.4	15 175	1.5	706	.8	7 180	6.9
Elliott	19 362	11.9	4 041	1.6	9 205	1.7	439	.8	2 014	9.2
Estill	25 275	14.0	4 520	1.9	10 464	2.0	432	1.0	3 065	8.1
Fayette	53 423	7.7	139 292	.2	186 969	.6	743	.7	78 690	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	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)
Fleming	31 659	4.8	37 044	1.0	32 724	1.3	1 133	.9	23 907	3.7
Floyd	17 493	6.7	508	4.5	8 613	4.5	59	4.1	523	2.8
Franklin	30 321	9.6	15 871	1.4	23 513	1.5	675	.8	9 970	9.0
Fulton	103 079	2.0	23 260	.4	143 579	.7	162	1.3	15 654	1.2
Gallatin	31 322	11.3	6 746	1.4	26 662	1.5	253	1.2	3 508	6.1
Garrard	29 325	11.0	29 852	1.0	33 923	1.3	879	.9	19 115	4.0
Grant	26 867	7.5	15 554	1.3	16 618	1.5	937	.7	9 563	8.3
Graves	42 872	3.7	114 700	.3	83 662	.7	1 371	.6	90 584	1.0
Grayson	25 788	6.4	32 844	.7	23 260	.9	1 411	.7	24 825	2.5
Green	28 028	5.0	23 858	1.2	22 529	1.4	1 058	.9	14 739	4.5
Greenup	21 772	9.1	8 303	1.4	11 327	1.5	733	.7	4 704	7.9
Hancock	29 590	10.9	12 088	.9	26 923	1.0	450	.9	8 057	8.2
Hardin	31 122	6.2	38 948	.7	23 792	.9	1 637	.7	30 187	3.0
Harlan	16 855	9.4	184	10.7	6 817	10.8	27	5.9	136	5.3
Harrison	30 067	5.5	28 984	.9	26 862	1.0	1 078	.7	17 859	4.2
Hart	28 069	7.4	35 089	1.1	25 953	1.4	1 352	.8	21 105	3.9
Henderson	77 550	3.6	50 142	.3	95 326	.6	526	.7	35 303	2.1
Henry	36 803	5.8	36 835	.8	38 571	1.1	955	.8	21 418	4.0
Hickman	102 492	5.9	43 958	.3	149 518	.6	294	1.0	31 890	1.1
Hopkins	43 614	7.8	27 411	.6	50 950	.8	538	.6	20 063	3.4
Jackson	20 515	8.0	9 326	1.5	13 536	1.6	688	.8	6 008	7.5
Jefferson	33 343	6.5	12 295	1.0	25 885	1.1	475	.9	8 974	3.5
Jessamine	31 349	7.0	66 452	.3	88 133	.6	753	.6	26 837	1.3
Johnson	19 872	8.8	1 259	2.6	6 918	2.7	181	1.5	933	9.9
Kenton	25 301	10.4	5 094	1.4	11 524	1.4	442	.7	3 512	6.0
Knott	21 048	10.1	64	9.3	3 037	9.5	21	6.6	92	7.0
Knox	25 131	8.1	3 173	2.6	9 855	2.7	322	1.1	2 475	9.5
Larue	38 202	10.9	24 766	.8	30 727	1.0	806	.7	16 502	3.2
Laurel	21 369	5.5	14 402	1.2	13 298	1.3	1 082	.7	8 652	4.7
Lawrence	24 013	18.7	2 009	1.9	6 763	1.9	297	.9	1 269	8.3
Lee	18 000	8.3	1 779	4.9	11 052	5.0	160	1.6	1 003	11.6
Leslie	8 175	11.8	114	14.6	6 694	14.7	17	7.6	51	7.0
Letcher	16 447	11.5	59	5.9	1 907	6.0	31	6.0	104	6.8
Lewis	22 790	5.7	14 264	1.2	18 429	1.3	775	.7	7 776	5.2
Lincoln	23 903	5.3	38 573	.9	30 662	1.1	1 258	.7	24 923	3.5
Livingston	31 160	8.9	9 938	1.0	24 539	1.2	404	.8	8 705	4.6
Logan	48 090	4.4	63 634	.6	52 896	.9	1 203	.8	42 281	2.2
Lyon	44 503	23.9	6 114	1.1	24 554	1.2	249	1.3	4 538	6.8
McCracken	33 468	5.8	16 468	.8	36 035	.9	457	.9	11 899	3.0
McCreary	21 630	9.5	515	4.4	4 767	4.5	108	2.5	583	10.5
McLean	81 609	4.1	53 771	.4	127 419	.8	422	1.0	41 375	1.1
Madison	25 739	3.7	44 288	.9	30 670	1.1	1 443	.7	27 740	3.2
Magoffin	13 640	10.5	2 682	2.1	7 191	2.3	372	1.2	1 191	7.0
Marion	40 122	8.0	33 590	.8	34 171	1.0	982	.7	23 135	3.2
Marshall	36 552	7.9	17 746	.9	26 369	1.0	674	.8	15 151	3.0
Martin	30 556	9.7	50	1.3	5 550	1.5	9	5.6	65	5.1
Mason	32 366	6.6	30 991	1.0	41 266	1.2	752	1.0	17 838	3.7
Meade	37 317	10.6	17 578	1.1	20 901	1.2	840	.6	13 074	4.9
Menifee	21 465	20.7	3 802	1.8	10 988	2.0	345	1.1	2 297	10.8
Mercer	32 663	7.9	30 601	.8	31 354	.9	975	.7	23 583	2.8
Metcalfe	27 691	6.9	24 993	1.1	26 308	1.3	951	.8	16 326	5.0
Monroe	28 470	7.7	25 602	.9	26 312	1.2	973	.8	17 593	3.1
Montgomery	27 166	6.1	22 680	1.2	30 899	1.4	735	.9	13 344	5.3
Morgan	20 395	9.4	9 768	1.3	13 995	1.5	696	.9	5 890	9.6
Muhlenberg	34 822	9.8	32 419	.4	57 994	.7	559	.8	18 384	1.7
Nelson	37 324	4.7	38 646	.8	30 942	1.0	1 250	.7	28 996	2.8
Nicholas	31 734	9.0	16 024	1.3	28 261	1.5	567	.9	10 622	5.3
Ohio	30 616	6.8	36 980	.4	39 216	.7	944	.7	26 971	1.9
Oldham	39 874	6.3	16 085	.9	41 034	1.0	392	.8	14 022	4.0
Owen	40 953	10.8	22 337	1.1	27 817	1.2	804	.8	12 841	5.0
Owsley	26 429	18.4	2 914	2.3	11 845	2.5	245	1.0	1 531	12.6
Pendleton	32 068	7.4	14 793	1.2	18 129	1.3	816	.8	8 439	5.4
Perry	36 782	7.6	457	2.3	15 752	2.4	29	5.3	435	3.2
Pike	19 066	7.6	176	4.7	4 756	4.8	37	5.1	228	5.4
Powell	23 555	10.4	2 558	3.1	11 071	3.1	230	1.3	1 697	17.6
Pulaski	26 538	5.4	35 952	.9	18 362	1.0	1 957	.6	24 358	3.2
Robertson	27 476	14.1	6 677	1.6	24 550	1.7	273	1.1	4 064	10.0
Rockcastle	22 670	6.3	10 417	1.5	13 512	1.6	770	.8	6 366	5.7
Rowan	20 417	9.0	4 430	1.9	10 727	2.0	413	1.0	2 837	7.9
Russell	19 664	5.9	27 945	.9	29 634	1.0	943	.8	19 671	4.7
Scott	38 250	7.4	65 483	.4	76 948	.7	851	.6	34 961	2.5
Shelby	39 245	4.2	56 164	.6	40 146	.9	1 400	.7	37 155	2.3
Simpson	47 466	3.9	32 107	.6	55 166	.9	582	.8	22 050	2.3
Spencer	33 062	4.9	19 997	.9	33 779	1.1	593	.8	12 001	3.9
Taylor	29 287	7.5	24 457	1.1	25 188	1.3	971	.8	18 040	3.8
Todd	52 646	5.6	69 686	.4	102 631	.7	679	.9	44 424	2.3
Trigg	74 228	9.7	26 535	.6	64 563	.9	411	.8	20 988	2.9
Trimble	24 377	9.1	10 812	1.5	20 555	1.7	526	.9	6 614	9.5
Union	109 802	3.6	58 623	.3	166 542	.7	352	.9	38 710	2.2
Warren	34 469	5.2	65 241	.6	35 867	.9	1 818	.8	45 998	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	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)
Washington	25 271	4.2	32 584	.8	31 033	1.0	1 049	.7	22 204	3.8
Wayne	28 030	5.4	49 995	.4	62 260	.7	804	.7	26 973	1.6
Webster	61 375	6.8	31 584	.5	69 416	.7	455	.6	22 150	2.9
Whitley	25 224	12.0	3 141	2.5	8 535	2.5	367	1.0	2 466	7.4
Wolfe	20 663	13.6	3 876	2.3	10 146	2.5	381	1.3	2 269	14.3
Woodford	49 078	6.2	115 401	.2	170 208	.7	678	.7	82 317	.8

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)
Kentucky	**19 647**	**1.5**	**236 935**	**.9**	**39 926**	**1.0**	**341 123**	**.6**	**44 944**	**.9**	**82 095**	**.9**
Adair	415	9.9	1 947	26.1	728	6.1	4 252	9.5	751	6.1	417	11.6
Allen	364	10.5	8 694	1.2	663	5.7	7 682	2.0	483	7.0	345	17.8
Anderson	194	15.5	647	22.4	394	7.8	1 605	34.3	272	11.8	224	26.0
Ballard	86	19.1	1 180	2.5	175	13.0	6 469	.7	311	5.7	1 244	3.5
Barren	548	8.3	4 768	8.4	1 076	4.6	7 027	4.7	1 203	3.8	1 492	5.8
Bath	177	15.4	1 853	7.4	369	9.7	889	13.9	542	7.0	417	13.5
Bell	8	13.4	10	14.8	24	7.2	27	10.5	6	15.1	2	15.9
Boone	180	19.0	685	30.6	300	11.8	925	17.2	360	9.6	489	10.5
Bourbon	342	8.9	8 047	3.6	507	6.6	5 257	4.7	535	5.1	1 169	6.4
Boyd	64	21.5	465	52.9	123	11.7	285	26.3	31	30.9	18	20.8
Boyle	227	12.4	6 600	3.0	358	8.2	1 177	7.3	376	7.7	329	9.9
Bracken	91	20.5	279	38.9	304	9.9	726	13.6	408	6.1	419	9.6
Breathitt	19	39.6	27	59.7	26	38.5	20	39.3	121	9.3	16	25.5
Breckinridge	291	11.3	1 265	17.2	668	5.8	2 861	6.4	756	5.0	1 034	7.0
Bullitt	125	18.8	639	15.0	320	8.6	819	9.7	247	10.8	271	13.1
Butler	188	14.5	2 552	2.5	419	7.9	5 057	1.1	223	12.0	505	5.1
Caldwell	150	16.4	898	9.4	247	11.3	1 473	3.9	284	9.1	1 102	4.3
Calloway	121	17.2	2 114	8.4	228	11.2	7 874	1.2	392	5.6	1 638	3.3
Campbell	112	19.2	559	10.0	274	9.3	309	15.7	187	9.3	204	22.7
Carlisle	66	20.7	934	3.9	137	12.7	4 057	1.4	160	8.3	1 148	5.4
Carroll	58	21.8	215	17.9	167	11.2	431	7.4	214	7.3	178	6.0
Carter	168	16.7	444	21.6	320	10.8	559	15.5	538	6.2	190	13.3
Casey	343	10.2	2 010	14.3	597	6.7	2 517	6.0	761	5.1	435	8.1
Christian	292	11.8	3 202	5.6	551	6.9	4 959	11.9	630	5.4	3 871	6.0
Clark	204	11.8	4 065	6.7	395	7.8	2 474	3.9	433	6.9	509	8.4
Clay	26	36.9	73	10.9	102	21.6	250	10.9	240	11.0	121	25.5
Clinton	191	15.6	1 371	12.8	297	12.0	873	6.7	332	10.1	137	12.9
Crittenden	167	13.7	665	18.9	335	6.7	946	13.6	194	11.6	499	21.8
Cumberland	74	24.2	134	32.4	208	12.0	459	18.2	266	8.9	200	24.7
Daviess	206	15.9	1 368	5.9	395	9.9	5 001	2.3	718	4.1	3 964	2.2
Edmonson	131	21.1	271	21.1	335	8.7	1 628	19.7	311	10.6	217	8.9
Elliott	65	28.8	42	41.8	109	20.2	44	25.6	297	6.8	65	17.4
Estill	115	15.5	189	23.1	218	9.9	201	19.7	282	7.4	125	11.9
Fayette	232	9.4	13 273	3.6	455	5.4	11 477	2.1	308	8.3	794	6.1
Fleming	283	11.3	2 720	7.4	552	6.2	4 704	8.1	730	4.5	890	10.1
Floyd	9	10.2	9	12.3	30	5.8	22	8.0	22	6.4	23	5.0
Franklin	159	16.6	690	11.6	368	8.7	897	21.7	420	6.9	299	16.1
Fulton	29	18.7	190	10.5	51	12.5	676	2.5	97	5.1	1 487	2.2
Gallatin	75	19.9	155	18.9	106	14.6	255	12.6	171	7.5	185	12.4
Garrard	280	11.4	4 242	7.3	475	7.0	2 442	7.3	496	7.5	506	12.3
Grant	150	18.2	641	22.3	435	9.3	554	11.0	540	6.4	394	10.6
Graves	238	11.6	17 923	1.1	496	8.2	34 751	1.1	683	4.9	2 463	3.2
Grayson	362	10.1	2 992	10.0	754	5.9	7 270	5.0	756	5.4	586	7.8
Green	180	16.2	710	25.6	512	7.8	2 707	12.4	607	6.2	532	26.7
Greenup	144	16.8	427	9.0	293	11.0	652	23.8	431	6.2	95	20.1
Hancock	55	29.8	657	12.1	168	13.8	1 108	5.1	297	8.3	387	10.2
Hardin	448	9.3	1 291	8.1	826	5.5	3 986	4.9	900	4.5	1 572	3.8
Harlan	7	12.3	28	6.5	11	9.5	20	12.5	2	22.0	(D)	(D)
Harrison	304	12.2	1 048	19.3	592	6.6	1 355	10.7	634	5.1	673	8.3
Hart	311	12.3	1 068	17.2	675	6.5	3 870	8.9	998	3.8	638	7.4
Henderson	121	17.7	3 591	1.7	209	11.7	820	13.5	334	6.4	3 161	3.6
Henry	291	11.9	2 039	29.5	408	8.3	2 251	6.1	580	5.8	757	6.5
Hickman	75	15.0	2 459	1.5	92	14.7	11 472	.5	131	10.1	1 706	1.1
Hopkins	125	19.6	1 511	16.5	258	11.3	3 724	1.8	188	12.0	1 248	9.7
Jackson	101	21.4	282	22.0	236	11.6	481	22.4	421	7.1	195	27.2
Jefferson	100	20.0	283	26.0	211	10.3	614	18.9	190	10.8	840	4.7
Jessamine	160	14.7	5 921	1.6	375	8.1	2 870	4.1	417	7.3	579	19.6
Johnson	44	25.2	32	30.1	72	17.3	63	22.2	104	11.0	33	22.2
Kenton	70	21.9	193	13.7	204	10.9	297	9.0	196	11.0	103	19.6

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)
Knott	7	10.5	13	4.3	15	7.3	14	5.5	7	11.2	1	12.1
Knox	64	23.8	170	18.4	136	17.2	139	21.4	192	10.4	79	22.3
Larue	205	13.8	1 069	19.2	415	7.8	2 620	8.9	480	5.7	668	6.8
Laurel	191	14.8	784	21.4	392	8.9	557	11.3	559	6.2	277	17.1
Lawrence	30	38.9	71	39.7	95	19.5	67	20.8	179	10.8	41	22.1
Lee	15	25.9	81	47.4	53	11.5	106	23.9	88	7.9	35	15.9
Leslie	–	–	–	–	5	14.9	6	25.3	9	9.2	1	3.5
Letcher	8	11.3	9	16.5	23	6.9	24	7.9	10	10.1	2	11.8
Lewis	144	15.5	429	19.6	325	9.6	899	18.7	464	6.7	315	15.4
Lincoln	326	10.9	3 916	9.0	602	5.6	4 061	7.5	772	5.5	663	10.6
Livingston	131	20.4	771	13.4	250	8.8	2 070	8.8	90	23.8	249	8.2
Logan	263	13.7	1 560	16.8	644	6.9	3 462	7.4	577	6.7	2 857	3.0
Lyon	49	22.4	119	29.9	134	9.9	569	15.0	92	11.5	293	11.7
McCracken	78	24.3	633	12.8	167	12.7	2 540	2.1	229	8.0	752	6.2
McCreary	25	17.3	37	24.6	63	9.1	62	19.4	35	14.4	19	30.2
McLean	113	15.4	3 049	1.7	166	13.1	16 573	.4	313	4.8	2 051	8.5
Madison	527	7.2	7 146	6.9	811	5.7	3 297	8.3	868	4.9	777	8.4
Magoffin	40	39.7	38	43.1	83	26.6	52	32.8	293	5.9	33	12.7
Marion	284	11.0	2 383	15.8	592	5.9	4 523	7.3	525	6.9	698	9.1
Marshall	195	13.0	1 291	12.4	338	7.8	5 098	1.5	175	10.4	499	12.4
Martin	4	–	4	–	7	7.2	14	5.3	3	–	1	–
Mason	200	13.9	783	15.0	433	7.8	2 524	6.5	490	7.0	575	10.7
Meade	248	12.2	1 162	8.8	511	5.6	2 220	5.0	406	7.8	675	10.6
Menifee	60	26.7	77	30.5	98	21.0	175	18.8	223	9.6	103	30.3
Mercer	241	13.4	3 364	5.9	568	6.2	3 461	8.3	446	7.6	770	15.5
Metcalfe	252	13.2	2 500	9.9	519	7.0	4 250	12.8	612	5.7	330	8.3
Monroe	220	15.9	2 174	12.7	493	7.6	3 481	7.8	488	7.3	407	8.2
Montgomery	162	15.8	1 363	16.7	367	8.3	1 304	14.8	445	7.0	503	22.8
Morgan	133	20.0	426	34.3	208	15.4	354	16.4	521	5.5	175	15.0
Muhlenberg	101	17.4	997	3.4	275	8.8	8 222	.8	227	8.9	547	5.3
Nelson	304	10.6	2 207	10.1	668	6.1	5 946	4.8	704	5.5	959	9.5
Nicholas	133	18.8	881	11.8	257	10.8	714	13.9	388	6.7	392	14.3
Ohio	212	12.7	2 380	2.4	463	7.8	10 342	.6	444	6.9	852	5.2
Oldham	71	22.4	2 234	6.8	252	10.0	1 526	8.1	164	14.6	493	3.1
Owen	217	13.0	1 212	26.6	411	7.2	1 023	15.4	423	7.4	394	9.8
Owsley	9	83.0	37	83.0	36	38.7	19	44.8	147	12.0	62	26.8
Pendleton	166	15.2	376	17.0	448	7.0	762	8.7	361	8.3	410	18.5
Perry	15	6.9	57	7.9	20	6.8	29	9.8	14	6.6	(D)	(D)
Pike	13	8.1	25	10.3	22	6.9	34	9.0	12	8.5	4	8.1
Powell	33	26.4	221	74.0	86	15.0	66	24.9	130	7.6	80	19.9
Pulaski	425	10.3	2 594	22.0	1 039	5.1	3 319	7.0	1 048	4.4	639	9.2
Robertson	63	30.0	201	47.9	129	16.8	361	19.3	211	5.1	187	20.0
Rockcastle	123	18.8	234	25.2	376	8.4	549	9.6	434	6.7	194	15.2
Rowan	67	24.6	201	22.2	139	13.9	151	15.1	246	9.1	106	17.5
Russell	238	14.0	6 416	4.1	459	7.2	3 078	14.3	501	7.2	362	10.4
Scott	267	12.7	6 890	9.0	506	5.9	2 521	5.9	424	7.5	1 200	3.3
Shelby	287	11.7	3 412	2.8	779	5.5	4 567	4.7	889	4.5	1 677	5.6
Simpson	140	16.3	1 064	5.2	281	9.8	2 052	8.3	318	6.7	1 797	2.9
Spencer	178	15.6	607	11.5	342	8.9	1 860	4.2	293	8.2	571	13.6
Taylor	240	13.1	1 930	10.8	439	8.5	2 865	11.2	567	6.2	752	17.6
Todd	157	15.6	3 339	5.4	306	8.3	10 961	2.1	420	5.9	2 019	3.5
Trigg	135	15.5	1 417	3.7	212	9.9	3 146	4.5	209	11.7	1 256	3.7
Trimble	65	28.8	231	57.7	204	13.5	568	47.6	271	7.9	258	16.8
Union	120	13.8	2 527	6.0	175	9.3	2 848	8.1	239	6.9	3 819	1.8
Warren	396	9.8	8 734	1.8	936	5.2	8 968	2.7	799	5.1	1 558	4.4
Washington	344	10.6	2 057	13.8	578	6.8	2 891	7.7	546	6.7	1 078	4.2
Wayne	202	13.6	1 959	6.5	421	7.5	6 040	2.0	422	6.3	427	8.8
Webster	116	15.7	1 790	3.1	216	9.5	4 125	1.3	265	7.2	2 101	5.3
Whitley	100	20.7	503	8.3	191	12.5	273	14.9	126	16.5	49	16.8
Wolfe	25	52.6	26	52.8	102	24.4	135	31.6	260	8.1	85	24.9
Woodford	309	9.2	22 165	.8	412	6.7	8 174	3.4	334	8.3	701	9.2

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)
Kentucky	**63 592**	**.7**	**183 802**	**.8**	**42 350**	**1.0**	**84 326**	**.8**	**77 810**	**.6**	**105 514**	**.8**
Adair	1 153	2.6	2 522	6.9	609	7.1	287	11.1	1 286	1.5	1 058	6.4
Allen	793	3.8	1 489	9.7	524	6.3	335	19.3	1 037	1.8	980	6.4
Anderson	460	5.2	488	11.5	270	10.6	122	23.1	681	1.5	510	10.7
Ballard	318	5.7	2 547	2.5	325	5.4	1 829	3.0	447	2.9	1 163	4.0
Barren	1 683	2.2	4 256	4.7	1 211	3.8	882	6.2	1 953	1.1	2 129	3.5
Bath	746	3.1	1 100	6.3	468	7.4	271	6.2	794	1.1	765	5.3
Bell	25	7.1	8	8.6	11	10.6	3	19.4	49	5.0	14	6.9
Boone	441	6.5	925	11.4	297	11.2	370	20.2	658	2.4	771	8.5
Bourbon	638	3.5	1 427	4.0	521	5.6	688	9.2	859	2.0	1 862	3.6

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)
Boyd	75	18.1	38	21.7	20	39.5	(D)	(D)	191	4.0	131	25.3
Boyle	519	4.4	774	6.9	336	7.9	278	4.2	647	2.0	732	7.9
Bracken	558	2.8	760	7.1	409	6.2	267	7.6	618	1.9	751	10.0
Breathitt	165	4.8	88	16.7	90	13.4	19	21.3	190	1.3	111	17.0
Breckinridge	1 170	2.1	3 608	4.2	818	4.1	1 028	8.2	1 326	1.2	1 434	4.3
Bullitt	373	6.6	502	15.0	252	9.8	202	17.5	521	3.0	422	9.2
Butler	448	6.3	1 495	6.6	278	10.7	420	3.7	634	2.6	704	5.4
Caldwell	307	7.5	2 063	5.7	286	8.6	1 382	6.0	507	3.3	902	5.5
Calloway	497	3.4	4 416	4.5	391	6.0	2 613	5.0	666	2.5	1 600	3.8
Campbell	308	7.4	263	13.4	161	12.0	84	10.0	488	2.1	362	8.7
Carlisle	182	6.9	2 315	3.5	154	9.7	1 595	8.6	293	3.3	949	7.3
Carroll	265	4.4	383	7.6	200	6.0	154	7.2	325	1.0	354	6.1
Carter	777	3.1	600	8.2	332	10.2	113	26.4	811	2.5	492	14.7
Casey	1 161	2.3	1 917	7.3	690	6.0	294	8.0	1 267	1.4	1 003	6.9
Christian	925	3.0	8 407	3.8	681	5.5	5 218	2.8	1 114	1.4	2 974	3.8
Clark	610	3.7	1 187	8.6	384	7.2	296	7.0	809	1.9	945	6.2
Clay	376	3.6	361	21.2	261	9.6	81	14.0	391	1.6	230	12.0
Clinton	589	3.9	926	8.6	283	11.4	101	12.7	570	3.9	396	8.6
Crittenden	267	8.0	1 013	7.5	154	13.7	354	17.1	527	3.0	663	8.8
Cumberland	429	4.7	713	25.0	298	6.0	188	27.8	484	3.4	354	11.8
Daviess	866	3.4	7 669	1.9	696	4.3	4 768	2.3	1 003	1.8	2 704	2.1
Edmonson	540	5.6	1 004	10.1	317	9.9	164	13.7	645	3.5	477	7.8
Elliott	418	2.5	276	13.0	219	10.3	50	16.7	438	.8	229	10.8
Estill	349	4.7	320	11.7	222	10.2	70	17.4	411	2.4	303	11.4
Fayette	404	5.5	1 221	3.2	373	7.2	569	4.2	686	2.7	2 050	3.5
Fleming	980	2.2	1 764	5.9	646	4.5	399	7.6	1 096	1.6	1 326	6.1
Floyd	33	5.4	25	15.8	27	5.7	7	15.5	46	4.5	56	3.3
Franklin	549	3.4	626	9.3	410	5.8	179	11.6	658	1.8	799	14.2
Fulton	101	4.9	2 577	1.3	103	6.1	2 432	1.2	143	3.4	779	2.3
Gallatin	205	5.6	225	7.5	147	10.1	124	11.7	253	1.2	236	7.5
Garrard	743	3.2	1 349	9.0	486	6.8	301	9.6	851	1.6	1 003	9.0
Grant	722	4.2	752	8.2	468	6.4	216	34.8	852	2.7	729	14.1
Graves	745	4.4	5 937	3.2	679	5.5	3 272	3.4	1 201	2.5	3 499	2.3
Grayson	1 147	3.0	2 564	5.4	725	5.4	682	7.5	1 351	1.6	1 167	4.4
Green	947	2.7	1 805	11.4	620	6.0	376	16.9	1 011	2.0	1 036	7.1
Greenup	558	4.5	394	9.7	334	8.4	106	13.0	717	1.3	356	10.0
Hancock	374	4.6	1 071	9.5	302	7.2	519	19.7	433	2.1	597	18.5
Hardin	1 276	3.0	3 847	4.6	812	5.0	1 580	6.1	1 521	1.8	1 803	5.4
Harlan	10	10.3	5	11.8	2	22.0	(D)	(D)	23	5.9	7	6.4
Harrison	755	3.8	1 470	7.3	607	4.6	499	6.7	1 046	1.7	1 432	5.9
Hart	1 212	1.9	2 174	5.8	977	3.9	573	6.7	1 304	1.6	1 299	5.3
Henderson	364	6.8	5 566	3.2	286	7.5	3 536	2.6	519	1.3	1 882	2.0
Henry	749	3.4	1 683	5.2	558	5.9	587	5.0	917	1.9	1 341	4.6
Hickman	150	8.7	2 911	1.0	135	10.2	2 545	1.1	261	3.0	1 200	3.5
Hopkins	275	10.1	2 796	8.0	233	10.9	1 778	5.6	473	2.5	1 054	6.5
Jackson	623	2.2	687	12.2	315	10.0	123	21.1	623	2.9	369	10.1
Jefferson	282	8.0	420	11.6	174	9.9	198	19.2	456	2.0	718	4.6
Jessamine	547	3.6	935	7.6	450	6.6	245	10.9	709	2.3	1 006	6.7
Johnson	135	8.1	101	12.0	91	11.8	23	20.5	165	4.3	60	23.6
Kenton	297	6.8	218	14.4	168	11.4	66	22.6	422	2.2	286	11.2
Knott	6	13.1	7	13.1	6	12.7	1	14.8	16	7.7	10	9.6
Knox	257	7.6	345	19.0	156	12.8	38	11.5	294	4.6	208	15.0
Larue	679	3.3	2 076	3.9	475	6.1	714	4.9	780	1.5	858	9.9
Laurel	943	2.8	837	7.0	381	9.5	155	8.8	1 044	1.7	626	6.3
Lawrence	233	6.6	114	8.9	164	11.4	39	20.1	283	3.3	115	11.3
Lee	133	3.9	92	13.8	77	9.4	18	15.7	158	1.9	74	9.2
Leslie	11	8.9	4	10.1	5	14.7	1	26.9	13	8.1	5	9.8
Letcher	12	9.9	8	12.0	9	10.4	2	13.1	22	7.2	9	9.4
Lewis	679	3.2	1 009	6.8	425	7.2	174	10.0	756	1.3	618	8.6
Lincoln	1 082	2.1	1 717	6.3	676	5.4	399	7.4	1 206	1.5	1 307	8.0
Livingston	194	13.5	831	5.5	105	21.3	365	5.0	371	3.2	506	8.6
Logan	901	4.0	6 216	4.6	557	7.4	3 764	3.3	1 118	1.8	2 445	4.3
Lyon	135	8.2	495	6.7	76	12.4	310	12.2	221	4.8	275	6.2
McCracken	285	7.0	1 531	5.7	235	10.2	923	6.7	425	3.1	709	5.9
McCreary	75	7.4	79	18.2	28	16.7	7	27.0	96	4.1	46	10.3
McLean	336	5.1	3 595	4.2	321	5.8	2 504	5.7	411	2.1	1 749	2.6
Madison	1 133	2.9	1 454	6.2	739	5.4	409	6.1	1 381	1.7	1 584	8.0
Magoffin	313	5.2	189	16.6	209	11.8	57	35.8	330	5.5	153	12.5
Marion	799	3.9	2 141	4.5	591	5.6	754	8.0	946	1.9	1 293	3.9
Marshall	401	5.6	1 371	8.3	222	11.6	822	11.9	624	2.0	683	6.9
Martin	6	5.9	2	6.9	2	–	(D)	(D)	9	5.6	8	6.6
Mason	669	3.4	1 343	4.3	499	6.0	381	6.9	744	1.3	1 161	6.1
Meade	605	4.3	1 385	6.2	335	9.5	688	11.4	799	1.7	810	7.6
Menifee	307	5.1	267	14.7	201	10.4	71	32.7	336	2.6	213	11.9
Mercer	597	4.7	1 153	7.0	474	7.0	375	7.0	953	1.4	1 304	5.7
Metcalfe	816	3.6	1 417	8.5	538	6.6	243	18.8	929	1.6	806	7.2
Monroe	835	2.5	1 670	6.4	436	7.3	202	7.0	897	1.8	1 047	5.7
Montgomery	589	4.2	916	10.0	392	7.7	258	10.9	695	2.4	789	7.8
Morgan	652	2.5	579	12.5	360	8.8	138	15.6	659	2.7	451	8.9
Muhlenberg	397	4.8	1 108	6.0	218	10.4	667	6.8	503	3.2	729	5.0

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.											
	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)
Nelson	946	3.4	2 398	7.4	589	5.6	933	15.7	1 212	1.4	1 538	4.8
Nicholas	484	3.7	590	6.9	338	8.1	218	13.1	552	1.7	815	7.7
Ohio	712	3.4	1 988	3.7	436	8.0	1 154	5.8	908	1.6	1 082	5.6
Oldham	229	10.4	882	5.9	159	14.3	321	3.4	365	3.8	748	10.3
Owen	660	3.3	987	9.0	488	6.0	269	8.8	749	2.0	924	5.8
Owsley	227	4.8	179	19.4	137	15.0	69	28.3	228	4.6	142	26.2
Pendleton	647	3.3	767	11.9	359	7.2	361	30.4	782	1.6	671	8.9
Perry	22	6.2	21	6.1	17	5.5	6	3.6	27	5.2	22	6.7
Pike	21	6.0	12	6.6	17	6.6	6	10.5	31	5.5	20	7.8
Powell	178	6.3	152	15.8	140	8.8	41	17.6	207	4.3	135	15.8
Pulaski	1 651	2.5	3 359	5.4	876	5.2	548	9.6	1 880	1.4	1 554	5.2
Robertson	239	3.7	199	16.0	172	10.2	95	23.1	265	2.3	270	11.6
Rockcastle	633	3.3	658	9.1	411	7.4	150	13.7	750	1.4	626	7.3
Rowan	374	3.6	354	10.1	195	11.3	55	13.1	394	2.6	234	14.8
Russell	807	2.9	1 598	9.6	426	7.7	295	12.6	896	1.8	911	9.6
Scott	567	4.8	1 115	8.7	464	6.8	532	7.8	809	1.9	1 612	4.3
Shelby	1 093	2.6	2 550	4.5	911	3.9	1 153	6.4	1 346	1.3	1 952	4.8
Simpson	430	5.1	4 023	2.9	375	6.1	2 537	4.8	568	1.6	1 114	3.3
Spencer	450	5.2	1 053	5.3	331	6.9	371	5.6	582	1.9	810	5.7
Taylor	798	3.6	2 046	7.8	514	6.7	555	14.6	921	1.5	1 028	8.8
Todd	536	3.7	5 338	4.6	446	4.7	3 258	5.1	643	1.9	2 016	4.5
Trigg	315	7.2	2 490	4.5	200	11.6	1 535	5.3	384	3.5	1 149	5.7
Trimble	408	5.2	662	11.0	290	7.4	374	10.9	481	3.5	460	8.5
Union	293	5.3	5 578	3.2	243	6.1	3 966	3.5	325	3.8	2 508	3.4
Warren	1 267	3.4	3 877	3.3	797	5.6	1 592	3.4	1 675	1.7	2 072	3.9
Washington	804	3.4	1 585	7.3	513	7.1	435	8.6	965	2.1	1 488	6.0
Wayne	701	2.8	1 660	6.8	392	7.3	586	8.8	768	1.0	1 233	3.4
Webster	329	6.1	3 033	4.4	262	7.6	2 239	7.5	380	4.6	1 142	4.2
Whitley	281	7.3	323	14.6	109	14.3	39	13.5	335	4.5	142	12.0
Wolfe	340	3.5	243	12.2	148	17.3	32	26.6	328	4.8	235	13.1
Woodford	456	5.4	1 149	3.9	387	7.1	643	5.7	658	1.6	1 704	4.7

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)
Kentucky	**47 619**	**.9**	**29 183**	**1.0**	**33 464**	**1.1**	**209 578**	**.8**	**11 693**	**2.0**	**49 793**	**1.9**
Adair	675	6.8	350	9.4	574	6.9	1 415	10.6	142	19.1	432	11.4
Allen	499	8.0	375	5.4	349	10.6	2 688	6.4	139	17.4	432	19.3
Anderson	411	8.5	142	25.3	236	11.0	619	25.4	113	22.4	321	21.1
Ballard	297	6.9	266	5.4	196	11.1	1 491	5.4	45	25.7	338	12.6
Barren	1 353	3.7	797	5.8	927	5.7	3 840	5.0	270	12.7	1 385	11.9
Bath	451	7.8	164	10.2	463	7.8	1 302	8.4	103	18.2	533	20.0
Bell	25	6.5	4	7.4	12	10.3	5	18.2	7	14.6	4	17.2
Boone	471	6.6	249	11.2	278	11.3	1 966	10.7	52	26.7	279	28.3
Bourbon	668	4.3	588	5.4	444	7.0	9 529	1.9	278	9.5	1 999	12.3
Boyd	115	12.2	42	19.6	63	19.3	101	18.6	13	49.1	47	13.9
Boyle	431	6.5	146	6.5	293	9.8	1 172	7.0	112	17.1	579	8.7
Bracken	485	5.4	223	12.1	351	7.2	1 349	9.2	174	14.6	496	16.4
Breathitt	60	15.3	24	10.3	39	25.9	49	24.4	25	37.2	30	44.1
Breckinridge	864	4.6	399	5.7	475	8.2	1 681	9.2	215	13.7	662	18.0
Bullitt	292	9.0	113	15.0	200	12.5	457	13.6	55	26.9	125	25.9
Butler	357	8.9	201	5.3	131	16.5	805	7.1	58	26.1	85	23.5
Caldwell	315	8.7	232	4.9	146	16.2	1 277	6.3	67	27.5	255	6.3
Calloway	420	6.7	435	4.0	313	7.5	2 978	5.1	66	24.0	178	18.9
Campbell	309	7.4	115	10.6	122	17.0	589	20.5	11	73.4	17	14.2
Carlisle	176	9.3	247	4.2	100	15.5	1 169	2.6	25	36.9	123	39.3
Carroll	216	8.6	67	11.1	166	10.6	795	6.1	56	23.9	182	25.8
Carter	442	7.5	111	13.7	390	9.6	387	16.4	135	19.4	265	47.3
Casey	633	6.9	208	6.9	541	8.0	1 334	10.7	230	13.0	757	12.3
Christian	611	6.2	685	6.2	465	8.4	6 162	5.3	161	14.9	1 143	9.3
Clark	544	5.6	194	15.3	382	8.2	2 269	7.3	156	14.9	921	4.1
Clay	91	19.9	41	10.7	179	14.4	848	16.9	77	24.0	198	26.4
Clinton	303	11.1	116	17.9	252	12.8	350	14.7	67	24.0	135	17.9
Crittenden	238	11.5	108	15.7	126	18.1	290	38.9	32	36.0	41	16.6
Cumberland	154	14.8	62	19.5	283	8.5	603	23.2	42	34.4	109	34.6
Daviess	615	6.6	562	2.8	432	7.3	4 758	2.5	87	19.4	450	9.2
Edmonson	444	7.5	174	9.5	297	11.6	502	17.0	58	29.0	83	20.1
Elliott	214	11.6	32	22.0	213	11.8	195	15.3	22	52.0	20	66.6
Estill	249	8.8	60	18.0	164	13.0	271	30.0	47	26.0	116	24.1
Fayette	503	5.9	995	2.4	405	6.9	18 583	1.3	238	8.7	2 174	2.7
Fleming	843	4.1	415	6.2	526	6.7	1 968	9.3	191	13.5	706	10.9
Floyd	23	6.0	23	1.1	21	6.2	(D)	(D)	5	13.7	2	16.2
Franklin	439	7.2	137	23.6	325	9.1	1 413	15.5	77	26.5	279	23.6
Fulton	113	5.0	137	2.9	60	8.9	1 072	1.5	16	16.5	150	34.5
Gallatin	210	5.5	66	9.0	100	14.1	442	10.1	44	27.7	164	32.1

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	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)
Garrard	496	6.6	163	8.0	386	9.1	1 391	13.7	211	15.2	959	13.1
Grant	667	5.2	156	9.4	313	10.4	715	13.1	98	23.9	149	38.0
Graves	737	5.7	1 150	3.5	431	7.7	3 888	4.6	161	15.3	876	17.3
Grayson	935	4.7	420	5.2	386	10.1	1 461	7.1	100	21.9	169	14.9
Green	626	6.5	290	10.0	475	8.6	897	11.8	262	12.6	621	21.3
Greenup	281	9.8	69	15.5	286	11.2	306	17.5	62	26.3	82	33.0
Hancock	227	11.0	121	11.1	175	13.6	812	11.6	48	31.9	179	16.6
Hardin	984	4.8	539	10.7	634	7.0	2 441	6.6	131	17.5	433	15.9
Harlan	11	8.2	4	10.5	4	13.0	10	5.1	2	18.4	(D)	(D)
Harrison	781	4.4	379	17.5	455	7.3	1 991	11.6	237	11.7	1 033	12.9
Hart	831	5.4	366	8.7	638	7.3	2 147	9.3	174	16.2	435	12.6
Henderson	291	8.9	428	1.8	209	10.8	3 067	2.5	68	26.1	268	31.9
Henry	572	6.3	350	8.1	414	8.2	2 872	7.2	187	14.7	1 157	8.8
Hickman	164	6.8	321	2.4	106	12.3	1 249	4.6	11	.1	80	(L)
Hopkins	251	9.0	214	5.7	174	15.7	1 333	7.0	54	30.6	75	18.1
Jackson	303	10.1	85	13.8	293	10.0	712	16.2	93	23.0	260	30.8
Jefferson	263	7.9	217	7.3	167	12.4	1 896	1.1	86	20.2	213	15.3
Jessamine	490	5.8	278	5.0	321	9.7	5 201	2.7	126	15.0	1 303	12.5
Johnson	82	13.8	32	39.1	54	15.8	104	24.6	18	45.3	29	63.8
Kenton	251	8.7	65	13.3	160	14.4	160	15.8	7	78.6	5	47.1
Knott	8	10.3	2	16.8	3	17.9	2	17.3	6	11.2	8	11.6
Knox	116	16.4	32	14.3	105	19.5	204	22.3	11	33.5	43	7.6
Larue	483	6.2	244	4.8	269	9.8	1 321	5.9	104	20.6	289	17.8
Laurel	315	10.4	118	12.1	359	10.0	1 013	16.2	206	15.3	338	20.9
Lawrence	128	14.9	23	16.8	102	17.4	140	25.9	18	45.8	41	66.2
Lee	69	10.1	14	21.4	44	14.2	125	22.1	20	25.9	23	39.0
Leslie	3	17.2	(Z)	11.2	8	10.3	3	10.8	–	–	–	–
Letcher	13	9.0	2	12.7	3	20.8	(D)	(D)	5	14.7	4	15.0
Lewis	459	6.6	121	8.8	392	7.3	986	11.3	137	16.8	273	17.2
Lincoln	677	5.6	405	8.7	575	7.0	2 254	10.5	272	11.2	724	17.2
Livingston	229	10.5	112	11.7	68	24.7	562	2.1	23	47.3	59	63.4
Logan	700	6.1	915	17.1	411	10.1	4 263	8.8	164	17.1	854	24.1
Lyon	117	10.7	73	18.0	78	13.2	479	2.0	17	34.8	92	30.6
McCracken	218	11.2	159	10.9	128	15.4	672	3.8	49	31.5	65	22.8
McCreary	40	14.5	6	24.5	20	23.0	19	32.4	14	23.9	8	28.6
McLean	262	7.7	417	1.6	147	12.6	1 720	2.1	44	24.1	149	50.8
Madison	927	4.8	321	13.3	668	6.3	2 167	8.8	217	14.2	981	31.2
Magoffin	173	13.3	31	19.2	147	17.8	88	22.9	24	35.0	13	42.5
Marion	660	5.7	345	10.6	502	7.3	1 937	9.0	143	15.4	685	12.1
Marshall	345	8.1	231	9.9	178	13.1	606	13.0	32	36.0	43	19.6
Martin	5	7.1	2	3.3	3	11.8	3	20.6	3	–	4	–
Mason	576	5.1	289	6.8	408	7.5	2 187	8.7	215	11.6	1 016	12.2
Meade	562	5.6	245	12.2	301	11.3	975	16.1	60	28.1	120	11.8
Menifee	180	12.2	32	18.2	168	13.1	349	20.2	26	49.6	27	19.6
Mercer	616	5.6	341	8.0	334	9.6	2 575	7.0	247	12.5	1 555	13.0
Metcalfe	563	6.8	305	7.1	431	8.2	870	13.8	144	18.8	265	21.0
Monroe	537	6.5	401	5.0	345	8.5	1 368	6.5	128	21.5	404	22.2
Montgomery	431	7.1	126	9.8	411	6.5	2 138	19.2	173	13.7	934	14.7
Morgan	376	8.3	73	11.7	429	7.1	1 145	26.9	81	26.3	143	26.9
Muhlenberg	269	9.0	385	4.3	109	16.5	1 821	3.9	46	26.7	77	7.4
Nelson	726	5.9	511	5.3	511	7.1	2 817	8.5	135	18.3	599	8.5
Nicholas	347	7.6	146	9.7	379	6.7	1 511	8.4	159	16.3	902	16.5
Ohio	462	7.2	439	3.9	211	13.1	1 235	6.5	101	21.4	342	15.7
Oldham	290	7.9	209	5.1	146	15.0	2 588	6.5	51	29.8	196	14.4
Owen	586	4.8	197	9.3	386	7.2	1 570	9.8	150	14.7	721	16.1
Owsley	94	20.4	19	31.6	147	12.2	314	21.7	8	61.6	50	10.6
Pendleton	502	6.2	195	11.1	292	9.8	758	6.0	83	21.1	200	22.2
Perry	21	5.5	5	4.3	12	6.2	104	2.1	1	41.0	(D)	(D)
Pike	14	8.3	7	10.0	6	13.4	2	17.2	3	18.2	(D)	(D)
Powell	116	11.1	20	16.8	107	12.1	150	32.7	14	41.2	44	43.9
Pulaski	969	5.0	363	6.5	708	6.4	1 645	13.6	207	14.7	595	19.6
Robertson	166	9.5	61	16.5	169	9.8	386	17.4	66	28.7	179	29.1
Rockcastle	428	7.1	126	10.1	335	9.0	491	15.3	117	18.4	254	23.7
Rowan	191	11.6	42	16.8	172	11.7	428	20.8	30	38.7	18	39.6
Russell	598	5.8	251	8.2	353	8.8	1 052	13.7	161	15.8	337	14.3
Scott	566	6.4	350	5.0	453	7.2	5 939	4.3	237	12.9	1 878	8.4
Shelby	963	4.0	615	4.6	717	5.9	4 449	4.5	320	11.5	1 764	9.8
Simpson	376	6.8	290	4.2	252	9.9	1 629	3.0	35	23.2	202	5.8
Spencer	358	8.1	196	6.6	232	11.0	1 062	6.3	139	16.0	732	19.5
Taylor	581	6.0	300	10.5	416	8.0	1 173	10.5	185	14.5	639	22.7
Todd	371	7.7	661	3.6	290	8.9	4 084	9.3	97	20.7	455	13.2
Trigg	226	10.4	259	4.1	187	11.8	1 965	7.0	54	22.3	404	3.6
Trimble	325	8.2	135	13.6	235	11.2	882	14.3	61	28.6	189	23.4
Union	250	7.7	490	2.6	131	11.4	2 241	1.2	34	26.8	77	9.5
Warren	1 094	4.6	743	3.8	674	6.8	3 112	3.9	250	14.0	734	16.9
Washington	569	7.1	332	8.3	503	6.9	2 697	5.0	144	16.7	698	13.5
Wayne	466	6.3	529	4.7	327	8.9	4 801	2.4	128	17.0	1 665	1.9
Webster	243	8.9	222	3.8	157	14.2	1 207	12.8	47	29.8	75	26.4
Whitley	135	15.7	27	21.2	103	19.9	108	12.3	20	48.4	22	51.6
Wolfe	219	11.7	33	27.0	167	15.5	354	38.1	8	(H)	40	(H)
Woodford	508	5.0	679	4.8	420	6.4	17 272	1.2	172	11.0	1 991	6.9

See footnotes at end of table.

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

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

Geographic area	Farm production expenses[1]—Con.											
	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)
Kentucky	**63 768**	**.7**	**156 916**	**.9**	**20 304**	**1.5**	**31 027**	**1.7**	**31 739**	**1.2**	**179 810**	**1.2**
Adair	1 069	3.5	1 810	7.8	468	9.6	358	13.3	520	8.8	1 632	14.1
Allen	799	4.7	1 389	5.7	271	12.4	252	14.2	328	10.8	1 638	13.1
Anderson	558	4.5	867	10.2	88	24.1	82	21.7	308	10.6	1 171	14.7
Ballard	389	4.9	1 534	5.5	162	12.4	450	12.0	243	10.3	1 644	5.1
Barren	1 657	2.4	3 764	5.0	517	8.7	818	15.1	867	6.3	3 934	6.9
Bath	597	5.7	1 071	8.1	214	15.3	189	17.4	346	10.6	1 875	12.5
Bell	22	7.7	25	13.1	6	12.7	(D)	(D)	3	22.3	(D)	(D)
Boone	539	5.7	799	9.4	201	16.1	170	21.4	221	14.9	1 134	16.8
Bourbon	796	2.5	3 418	4.8	282	10.4	578	14.0	429	6.9	4 954	5.2
Boyd	160	7.6	223	24.1	34	29.7	17	28.4	62	22.1	120	28.4
Boyle	538	4.4	1 090	9.0	116	15.7	206	25.5	302	9.7	2 237	13.3
Bracken	553	3.9	1 038	8.8	180	13.1	149	22.3	259	10.4	1 016	15.1
Breathitt	80	14.5	74	13.0	26	28.3	24	41.8	48	18.1	107	20.6
Breckinridge	1 098	3.1	1 946	6.0	330	10.7	331	11.3	558	7.2	2 613	8.5
Bullitt	467	4.9	963	11.7	76	22.7	73	19.8	155	14.5	773	20.9
Butler	498	5.9	972	6.9	250	14.1	291	14.1	203	14.0	1 545	7.3
Caldwell	382	7.4	1 289	6.3	132	17.8	319	9.6	212	12.4	1 836	15.4
Calloway	623	3.5	2 191	7.5	211	11.9	585	22.5	335	8.4	2 451	7.0
Campbell	383	5.7	606	12.4	64	29.7	44	35.5	92	19.5	398	27.6
Carlisle	241	6.0	896	5.1	93	15.8	400	18.4	163	10.6	1 263	16.0
Carroll	269	5.2	573	11.7	111	16.5	74	26.9	149	13.2	525	17.0
Carter	648	5.0	688	10.0	113	22.9	81	31.7	266	13.0	737	23.1
Casey	932	4.2	1 521	7.0	353	9.6	324	12.6	585	7.4	2 071	11.3
Christian	924	3.9	4 898	4.5	332	10.5	1 071	7.5	476	7.2	4 123	7.1
Clark	637	4.6	1 706	9.5	200	14.0	281	18.4	330	10.0	2 382	13.3
Clay	274	8.6	403	12.3	49	33.3	40	28.4	75	19.2	346	22.6
Clinton	411	8.1	517	10.4	106	20.2	97	12.2	215	15.1	874	16.6
Crittenden	444	5.0	830	9.4	187	14.1	177	15.0	192	13.2	554	15.4
Cumberland	353	6.2	522	18.4	70	25.3	61	40.4	216	11.0	631	21.8
Daviess	885	3.0	4 027	2.5	239	12.1	605	8.0	384	8.5	3 699	3.8
Edmonson	524	5.4	705	10.1	171	17.2	121	23.4	204	13.1	637	14.5
Elliott	254	10.1	222	19.4	38	38.7	18	43.5	131	16.9	177	21.8
Estill	318	5.7	366	14.4	90	17.9	35	21.5	133	15.2	335	26.2
Fayette	588	4.0	5 229	2.5	170	13.2	484	13.1	303	9.4	5 196	9.7
Fleming	870	3.7	1 849	7.6	260	11.5	274	11.5	555	6.4	3 394	8.4
Floyd	40	5.0	41	5.6	7	11.9	(D)	(D)	7	10.9	6	11.4
Franklin	539	4.4	1 234	17.8	183	16.1	296	47.0	247	11.8	1 440	21.2
Fulton	135	3.8	955	2.8	70	8.1	648	1.9	100	5.5	1 420	1.6
Gallatin	200	6.2	472	14.2	39	27.8	41	30.4	75	18.2	386	22.1
Garrard	743	3.2	1 794	17.6	133	18.5	153	23.5	444	8.2	2 252	9.3
Grant	717	5.0	1 192	10.0	194	14.8	235	24.0	378	10.4	2 061	15.7
Graves	1 059	3.5	3 943	4.3	406	9.2	1 100	9.0	580	6.7	3 883	5.7
Grayson	1 170	3.1	1 857	5.9	304	12.5	401	8.6	513	8.0	2 170	7.4
Green	806	4.5	1 355	6.5	292	12.2	221	15.7	436	8.7	1 411	11.8
Greenup	498	6.1	612	14.9	104	21.2	69	23.0	205	11.7	510	18.4
Hancock	344	6.0	639	10.0	117	19.4	93	16.7	186	12.8	786	14.2
Hardin	1 313	3.2	3 016	6.1	420	10.0	681	15.0	613	7.9	3 647	9.8
Harlan	11	9.1	12	11.0	2	26.0	(D)	(D)	1	–	(D)	(D)
Harrison	916	3.1	1 866	7.6	348	10.2	419	13.6	437	8.6	2 177	12.4
Hart	1 104	3.4	2 023	5.2	467	9.0	518	11.8	547	8.1	2 534	10.2
Henderson	405	5.8	2 255	7.4	170	13.0	991	11.8	210	10.8	2 673	3.0
Henry	745	3.6	1 947	7.1	305	10.3	333	17.5	434	8.6	2 320	9.0
Hickman	242	4.7	1 287	3.8	78	14.0	541	3.5	111	10.8	1 940	3.6
Hopkins	367	6.5	1 602	9.0	121	21.1	253	18.0	151	13.4	1 621	6.9
Jackson	520	5.0	547	9.4	93	22.1	71	52.3	204	14.0	925	21.7
Jefferson	424	3.2	919	10.4	86	20.8	130	23.2	96	17.3	484	10.9
Jessamine	603	4.6	1 535	7.5	107	22.3	372	4.1	250	11.9	1 434	7.9
Johnson	112	10.1	80	12.2	16	42.5	11	45.9	25	30.0	119	36.7
Kenton	372	4.6	595	11.9	116	18.9	82	24.9	130	15.7	435	23.3
Knott	10	10.0	6	11.0	2	20.3	(D)	(D)	3	13.1	9	19.0
Knox	215	9.6	365	17.6	53	30.3	41	30.6	100	19.2	263	21.8
Larue	638	4.2	1 275	8.4	174	14.7	203	11.8	379	8.3	2 214	9.9
Laurel	803	4.4	1 003	9.1	166	16.0	141	24.4	304	10.8	1 025	16.5
Lawrence	203	8.2	149	13.9	39	30.0	20	32.1	84	19.7	127	25.8
Lee	111	6.0	124	15.8	34	16.4	20	19.1	37	16.7	63	24.7
Leslie	11	8.9	7	11.8	4	16.0	1	15.5	5	14.7	4	15.4
Letcher	25	6.8	16	9.2	1	37.8	(D)	(D)	2	26.8	(D)	(D)
Lewis	618	4.0	818	6.9	141	16.1	94	19.6	232	11.3	706	11.0
Lincoln	904	3.8	1 999	9.8	282	12.6	289	7.2	528	7.4	2 633	9.0
Livingston	303	6.8	838	12.3	85	22.0	193	14.0	154	18.2	779	18.4
Logan	900	4.5	3 323	4.2	366	10.9	792	9.1	506	8.4	4 254	7.2
Lyon	169	7.4	430	7.9	56	18.7	75	18.9	94	14.5	443	14.9
McCracken	348	6.5	823	8.5	113	18.9	116	32.2	196	12.9	872	11.0
McCreary	72	7.8	88	14.5	23	17.5	13	25.3	29	16.8	48	27.7
McLean	314	5.4	1 967	2.7	138	14.3	322	12.3	222	9.5	2 555	4.1
Madison	1 161	3.2	2 385	7.2	229	14.2	220	17.8	566	7.8	3 069	14.9
Magoffin	231	9.3	124	16.5	52	33.5	32	43.2	67	15.4	115	33.8
Marion	827	3.6	1 736	5.7	258	11.9	371	7.2	477	7.9	2 355	8.3
Marshall	505	5.2	987	9.0	181	14.2	200	20.5	250	10.7	967	11.6

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.											
	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)
Martin	8	6.3	8	11.0	2	17.8	(D)	(D)	3	11.8	3	6.7
Mason	626	3.9	2 112	7.9	254	11.6	320	17.6	337	9.0	2 101	11.1
Meade	620	4.1	1 230	8.2	187	15.8	144	19.9	240	13.1	888	11.9
Menifee	274	7.0	385	14.0	65	28.0	36	46.2	137	15.0	179	27.3
Mercer	808	3.7	1 776	5.6	205	14.5	276	22.4	358	9.6	2 679	10.2
Metcalfe	736	4.3	1 178	9.5	260	12.3	263	16.8	449	8.6	1 578	11.4
Monroe	777	3.9	1 503	7.4	368	10.3	404	11.8	359	9.4	1 575	12.2
Montgomery	554	5.0	1 206	8.3	194	13.3	190	27.0	231	11.1	1 527	18.6
Morgan	522	5.4	643	15.6	163	17.8	87	21.8	268	13.5	705	15.9
Muhlenberg	374	5.5	1 067	7.0	104	17.6	163	9.1	116	15.2	959	10.4
Nelson	985	3.3	2 424	6.4	400	9.8	544	13.6	637	6.2	3 187	9.2
Nicholas	486	4.1	1 001	11.4	128	18.4	245	22.7	280	10.0	1 337	11.1
Ohio	758	4.3	1 491	5.4	213	13.1	489	10.5	313	10.9	1 798	7.7
Oldham	309	6.8	992	5.5	64	25.9	167	15.7	119	20.1	684	16.6
Owen	648	3.9	1 346	6.3	197	13.4	202	18.0	359	8.8	1 714	12.0
Owsley	136	14.1	116	18.5	18	53.6	10	44.9	52	34.5	141	44.4
Pendleton	629	4.3	900	7.6	182	15.4	90	14.6	273	11.5	1 309	13.7
Perry	20	5.9	33	3.0	4	14.0	7	14.5	4	9.0	10	5.6
Pike	26	5.9	36	6.9	3	19.2	(D)	(D)	8	9.0	17	6.7
Powell	147	8.8	167	11.5	43	22.1	21	23.5	100	13.1	232	18.6
Pulaski	1 477	3.4	2 315	5.6	467	8.9	505	13.8	685	7.0	2 658	9.4
Robertson	235	4.0	553	25.0	105	17.2	163	40.1	141	14.2	551	17.5
Rockcastle	588	4.3	790	8.4	190	14.0	104	16.2	343	9.1	987	14.0
Rowan	287	7.0	330	11.7	65	24.6	54	22.1	111	17.3	255	21.2
Russell	740	4.2	1 189	10.1	271	12.5	283	10.7	406	8.6	1 521	10.6
Scott	734	3.5	2 779	7.2	212	14.0	334	14.3	320	10.2	2 530	6.1
Shelby	1 147	3.0	3 556	5.4	445	9.3	730	11.5	610	7.0	3 920	8.5
Simpson	447	5.0	1 798	6.4	172	12.9	430	19.1	284	10.2	1 876	7.0
Spencer	441	6.6	1 125	6.7	170	12.6	181	12.9	228	10.0	1 147	11.9
Taylor	753	4.0	1 826	7.7	220	12.7	179	12.9	397	8.5	1 954	11.3
Todd	552	4.2	2 370	3.0	216	12.7	739	10.6	325	8.3	2 983	8.4
Trigg	342	5.5	1 370	4.9	106	15.9	378	6.7	197	11.1	2 289	6.1
Trimble	437	4.7	720	12.2	155	16.9	138	22.2	202	13.1	784	17.6
Union	301	5.1	3 188	4.2	109	11.9	706	5.3	198	9.0	3 622	5.3
Warren	1 362	3.2	3 480	5.1	567	8.2	791	8.9	676	6.9	3 435	6.9
Washington	820	3.6	1 651	7.1	283	12.3	333	19.1	519	7.4	2 576	9.5
Wayne	651	3.8	1 366	6.4	214	12.6	295	12.8	268	11.5	1 243	8.3
Webster	371	4.7	1 645	3.6	123	14.4	256	16.3	178	13.3	1 405	8.4
Whitley	228	10.4	313	23.2	77	24.3	61	29.2	96	21.0	174	22.9
Wolfe	276	9.1	310	18.3	66	31.8	49	38.0	111	20.8	296	27.0
Woodford	603	3.4	4 367	2.8	232	10.3	769	4.3	318	8.5	3 811	5.0

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)
Kentucky	**9 031**	**2.1**	**62 085**	**1.1**	**77 459**	**.6**	**59 942**	**1.0**	**70 738**	**.7**	**220 941**	**.7**
Adair	106	22.8	174	29.2	1 300	1.7	625	5.0	1 150	2.8	2 155	6.9
Allen	84	24.8	343	29.9	1 072	1.3	963	16.1	919	3.1	2 751	3.4
Anderson	19	41.8	41	1.7	672	1.9	586	5.6	577	3.7	977	10.7
Ballard	79	16.3	1 509	3.4	447	3.1	341	5.4	388	4.8	1 773	3.9
Barren	207	15.7	526	21.4	1 894	1.5	1 487	5.0	1 769	2.0	4 255	3.6
Bath	34	34.6	129	3.1	746	2.6	523	6.7	719	3.6	1 675	10.9
Bell	6	15.6	8	23.2	53	4.8	25	5.8	32	6.4	10	9.9
Boone	104	26.0	367	22.4	664	1.7	680	5.9	651	2.4	1 532	7.9
Bourbon	145	13.5	1 244	11.8	833	2.4	1 104	4.9	852	2.3	7 289	3.5
Boyd	1	–	(D)	(D)	202	2.5	168	9.8	181	5.3	251	10.6
Boyle	86	20.2	365	17.1	640	2.0	596	8.3	614	2.6	1 340	4.1
Bracken	49	28.5	72	13.5	598	2.9	482	7.4	609	2.3	1 096	6.2
Breathitt	24	33.2	11	15.2	187	2.6	81	7.8	120	8.3	208	8.8
Breckinridge	123	16.7	528	10.6	1 317	1.5	837	4.3	1 193	2.3	2 368	5.8
Bullitt	41	31.6	124	20.1	536	2.4	473	9.5	489	3.8	821	7.0
Butler	43	26.4	331	2.3	697	.8	405	6.5	602	3.4	1 542	4.9
Caldwell	87	21.1	1 336	7.9	584	2.2	403	6.7	479	4.5	1 998	5.9
Calloway	144	12.7	1 476	6.9	740	1.1	530	4.6	660	2.9	2 749	2.4
Campbell	64	28.9	79	26.7	494	1.3	406	6.5	405	4.4	611	10.0
Carlisle	69	19.4	1 205	8.6	306	2.4	198	5.9	252	4.5	967	2.8
Carroll	34	30.4	36	8.7	307	3.1	185	7.7	300	3.3	616	7.4
Carter	84	26.4	77	43.6	787	2.6	376	8.4	728	3.7	1 184	26.8
Casey	174	15.8	388	18.1	1 247	1.9	706	4.3	1 136	2.7	1 941	6.2
Christian	210	11.2	4 701	3.9	1 080	2.3	1 008	8.3	1 049	2.5	5 018	3.3

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.											
	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)
Clark	75	22.2	645	6.7	791	2.3	750	5.6	698	3.0	2 301	5.4
Clay	38	38.1	17	17.8	380	3.0	189	7.7	298	7.3	490	7.5
Clinton	79	22.2	161	29.0	610	2.6	270	9.3	444	5.9	608	9.1
Crittenden	55	23.7	370	20.0	578	2.1	322	7.8	504	3.4	790	6.5
Cumberland	58	28.4	102	31.0	501	2.6	214	7.7	425	5.2	495	20.3
Daviess	166	13.3	2 093	5.0	943	2.8	1 127	3.9	930	2.9	4 486	2.1
Edmonson	39	34.3	44	30.1	688	1.7	379	6.3	563	5.2	774	6.6
Elliott	49	32.1	34	37.9	432	1.8	188	11.1	355	5.4	420	16.0
Estill	24	33.7	49	14.1	418	2.0	273	10.5	366	4.3	352	11.1
Fayette	146	14.7	1 311	3.2	638	3.2	1 601	6.8	665	2.8	13 734	1.7
Fleming	83	20.2	285	9.5	1 049	2.2	746	4.8	1 010	2.5	2 465	4.7
Floyd	6	11.4	16	13.1	56	4.2	40	4.5	49	4.5	63	2.4
Franklin	66	28.7	144	26.3	611	3.1	499	7.8	592	3.3	1 037	8.6
Fulton	59	7.7	1 307	4.1	153	2.3	257	5.2	142	3.4	1 569	1.9
Gallatin	6	–	120	–	247	2.3	205	10.4	208	4.5	432	11.5
Garrard	36	32.6	150	20.1	829	2.4	661	6.0	780	2.6	1 750	9.3
Grant	73	28.1	94	23.9	916	1.2	533	7.3	820	3.1	1 141	13.7
Graves	273	10.5	1 939	6.2	1 278	1.9	1 019	6.8	1 083	3.2	4 940	1.7
Grayson	105	19.4	364	11.2	1 393	.9	645	4.4	1 249	2.5	2 077	5.2
Green	76	22.3	257	26.7	963	2.6	493	6.0	911	3.3	2 027	6.3
Greenup	56	28.6	87	31.4	695	2.2	348	7.3	570	4.7	591	11.7
Hancock	62	28.4	279	51.8	422	3.2	196	7.2	347	4.9	613	10.1
Hardin	177	13.6	1 083	6.1	1 553	1.6	1 154	4.7	1 436	2.3	3 113	4.1
Harlan	–	–	–	–	26	5.9	13	4.6	21	6.9	19	6.7
Harrison	89	19.4	349	12.6	1 021	1.5	785	12.9	978	2.3	2 381	7.7
Hart	48	34.1	146	29.8	1 306	1.5	792	9.0	1 241	2.2	2 523	5.3
Henderson	148	13.7	2 585	6.2	466	3.6	616	10.1	461	3.5	3 862	1.5
Henry	70	18.9	459	11.6	912	1.8	820	4.3	912	2.1	2 502	6.5
Hickman	78	13.5	1 983	1.3	290	1.0	272	3.1	216	5.9	1 924	3.0
Hopkins	53	23.9	859	3.8	530	1.3	505	6.5	467	4.7	1 489	5.4
Jackson	94	21.6	257	36.0	627	3.0	289	8.4	545	4.2	724	8.4
Jefferson	55	22.6	256	24.9	442	2.7	769	9.6	408	4.1	1 018	5.3
Jessamine	107	20.4	1 199	6.2	641	3.8	614	7.0	624	3.4	3 344	3.9
Johnson	23	33.8	14	41.2	165	4.7	113	13.3	112	10.6	116	16.8
Kenton	56	30.7	78	48.6	391	4.5	410	8.6	369	4.5	520	14.8
Knott	3	13.1	(D)	(D)	20	6.6	8	8.2	17	7.2	9	9.0
Knox	36	30.2	68	26.9	306	2.7	176	10.8	191	11.1	305	14.3
Larue	61	23.4	418	3.6	770	1.9	574	6.2	737	2.3	1 958	11.2
Laurel	40	24.5	160	45.6	1 014	2.0	555	9.9	894	3.1	1 065	4.8
Lawrence	27	35.1	25	50.0	271	3.9	115	18.2	209	8.7	184	17.1
Lee	9	32.0	24	28.0	149	3.1	78	7.4	125	4.6	127	13.6
Leslie	–	–	–	–	16	7.7	9	4.9	14	7.9	13	10.2
Letcher	1	32.0	(D)	(D)	29	6.3	13	7.9	25	6.6	13	10.0
Lewis	98	18.7	138	22.8	712	2.7	321	7.2	645	4.0	874	8.5
Lincoln	165	17.4	758	15.8	1 165	2.1	1 125	21.4	1 069	2.7	2 672	6.8
Livingston	59	30.3	398	8.6	382	3.7	252	8.3	369	3.2	722	8.8
Logan	137	15.5	2 238	1.3	1 159	1.7	912	5.1	1 047	2.9	4 425	5.6
Lyon	18	27.6	191	8.7	241	2.2	160	9.9	222	3.7	534	18.7
McCracken	79	22.1	816	8.6	417	3.4	290	5.9	365	5.5	998	6.3
McCreary	18	23.2	26	37.6	105	3.2	51	7.3	76	7.5	76	16.7
McLean	102	16.5	1 762	3.6	391	3.3	460	4.3	397	2.7	2 503	4.1
Madison	178	15.6	427	11.5	1 297	2.3	941	5.5	1 265	2.4	2 563	7.9
Magoffin	41	39.7	11	57.9	320	5.3	120	11.8	255	8.5	135	13.4
Marion	108	17.4	598	11.7	922	2.1	825	5.2	908	2.4	2 490	5.7
Marshall	84	22.1	384	15.2	648	1.9	508	9.3	601	2.9	1 462	4.8
Martin	5	10.1	(Z)	2.6	9	5.6	7	4.7	5	7.1	6	3.3
Mason	54	21.5	331	7.3	713	2.1	664	7.7	693	2.6	2 052	7.5
Meade	73	23.3	452	9.5	823	1.4	535	11.5	719	3.1	1 545	10.7
Menifee	28	44.4	13	58.5	336	2.6	125	10.7	302	5.1	245	19.1
Mercer	68	23.6	432	13.4	910	1.9	1 002	6.8	866	2.6	2 519	3.8
Metcalfe	71	25.7	182	26.7	878	2.5	504	6.7	849	2.9	1 635	5.9
Monroe	120	19.1	263	23.6	930	1.8	607	8.6	838	2.9	2 087	3.8
Montgomery	74	25.8	196	19.9	643	3.6	537	9.2	658	3.0	1 355	9.4
Morgan	39	38.5	97	57.8	618	3.9	233	8.6	565	3.9	642	15.1
Muhlenberg	47	23.5	257	2.9	480	3.8	331	6.6	515	2.8	1 052	5.8
Nelson	160	15.5	649	12.7	1 228	1.2	907	4.4	1 059	2.9	3 376	4.7
Nicholas	51	31.5	205	24.0	554	1.8	436	5.4	508	2.7	1 229	12.4
Ohio	85	20.5	427	22.7	868	2.9	565	5.7	755	4.0	2 387	2.8
Oldham	25	24.6	318	1.2	380	2.0	855	10.1	372	3.4	1 809	5.1
Owen	63	26.2	152	36.5	769	1.7	568	6.0	703	2.6	1 563	8.1
Owsley	11	67.9	6	51.0	206	7.8	244	47.9	147	8.6	123	9.1
Pendleton	102	21.4	206	15.8	765	2.3	469	5.9	682	3.4	965	5.5
Perry	3	11.9	(D)	(D)	28	5.5	19	6.1	25	5.3	30	8.3
Pike	9	9.6	7	6.6	37	5.1	38	8.3	28	5.8	19	7.6
Powell	30	23.4	45	11.2	220	2.3	120	9.6	178	5.6	203	18.0
Pulaski	322	10.0	806	10.9	1 862	1.4	926	3.5	1 635	2.6	2 531	4.7
Robertson	33	44.0	65	30.8	255	4.4	141	16.5	233	4.6	651	27.0
Rockcastle	69	28.6	96	44.8	731	2.2	342	8.3	674	3.0	767	9.9
Rowan	8	67.9	55	49.5	388	2.9	186	10.3	362	4.4	367	8.5
Russell	139	17.0	317	9.8	904	1.9	480	6.7	778	3.4	1 583	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.											
	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)
Scott	96	21.8	678	5.5	800	1.9	654	5.7	744	3.2	5 950	2.7
Shelby	135	16.6	826	11.7	1 286	2.0	1 751	9.4	1 310	1.6	4 233	5.3
Simpson	51	18.3	812	1.3	579	.8	521	6.9	520	3.2	1 902	3.4
Spencer	43	24.2	275	17.5	555	2.8	486	6.0	551	3.5	1 524	12.5
Taylor	101	19.5	243	14.2	925	1.9	529	4.9	834	2.9	2 022	7.7
Todd	130	14.1	2 162	1.7	633	2.9	581	4.2	570	3.0	3 457	3.0
Trigg	60	16.3	1 289	5.2	397	2.0	454	12.0	362	4.6	1 586	5.0
Trimble	48	31.3	96	21.2	512	1.8	315	7.6	455	4.0	801	6.9
Union	104	13.1	3 195	1.5	329	2.7	646	2.5	326	3.3	3 299	4.3
Warren	251	12.9	1 315	6.3	1 700	1.6	1 070	4.4	1 633	2.1	4 517	2.8
Washington	119	21.6	674	31.4	991	2.1	718	7.1	908	2.4	2 990	4.7
Wayne	87	17.9	443	8.4	776	1.6	470	5.8	682	3.4	4 255	2.4
Webster	82	20.8	987	9.3	404	4.3	365	9.7	388	4.9	1 559	3.9
Whitley	26	27.2	30	20.2	349	3.4	138	15.5	282	6.7	264	13.0
Wolfe	12	90.0	2	90.0	370	3.0	179	24.7	275	8.5	250	37.2
Woodford	88	16.4	812	8.8	620	2.4	1 433	4.0	645	1.5	16 646	.5

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)
Kentucky	**82 264**	**.6**	**979 715**	**.8**	**77 784**	**.6**	**8 549 027**	**.5**	**68 953**	**.6**	**4 678 622**	**.4**
Adair	1 350	.8	9 331	10.8	1 286	.7	98 382	1.2	1 186	.8	44 208	1.3
Allen	1 098	.8	4 847	14.2	1 017	.7	96 009	1.1	894	.8	39 554	1.3
Anderson	690	.8	3 647	19.6	645	.7	53 175	1.5	550	.9	19 624	1.7
Ballard	482	.7	8 946	3.2	453	.6	95 703	.8	357	1.0	71 831	.8
Barren	2 001	.9	17 454	6.7	1 922	.8	184 969	1.1	1 745	.9	85 551	1.1
Bath	801	.9	10 129	5.5	777	.8	82 148	1.5	725	.8	29 869	1.5
Bell	54	4.8	–24	36.0	46	2.4	1 593	8.1	36	3.7	539	8.2
Boone	691	.6	4 493	15.5	660	.5	48 442	1.3	615	.6	23 861	1.3
Bourbon	910	.8	38 877	1.9	843	.7	141 353	1.0	733	.9	58 694	1.1
Boyd	207	1.0	275	40.2	177	1.0	10 770	2.8	128	1.6	2 740	3.7
Boyle	672	.7	8 364	6.0	634	.6	65 521	1.1	580	.7	30 382	1.2
Bracken	656	.8	7 152	6.6	633	.6	53 555	1.3	604	.7	21 076	1.5
Breathitt	192	1.2	560	15.6	187	.9	5 726	4.4	178	1.0	1 403	4.5
Breckinridge	1 380	.7	9 747	6.7	1 320	.7	147 137	.9	1 196	.7	68 964	.9
Bullitt	564	.7	516	67.0	522	.6	31 826	1.4	419	.9	17 114	1.7
Butler	702	.8	2 506	15.0	634	.8	79 066	1.1	501	1.0	43 230	1.2
Caldwell	608	.8	5 015	8.9	568	.8	99 318	1.1	387	1.2	55 405	1.1
Calloway	749	.7	12 845	5.0	710	.6	116 986	.7	554	.8	91 084	.6
Campbell	503	.7	2 215	22.8	468	.5	24 780	1.2	432	.6	11 098	1.4
Carlisle	323	.9	6 740	5.3	302	.6	74 451	.6	226	1.0	60 550	.6
Carroll	325	1.0	3 382	9.1	302	.8	29 045	1.8	292	.8	11 836	1.9
Carter	873	.8	2 561	23.3	822	.7	41 650	1.4	739	.8	13 156	1.9
Casey	1 332	.8	10 094	5.9	1 293	.7	95 218	1.2	1 220	.7	43 148	1.3
Christian	1 158	.7	24 004	3.5	1 077	.7	229 667	.6	895	.8	165 513	.5
Clark	847	.8	13 105	4.7	784	.7	102 040	1.1	693	.8	40 027	1.3
Clay	401	.8	2 109	13.8	397	.7	16 266	2.1	376	.8	5 046	1.9
Clinton	639	1.0	4 299	16.6	614	.9	43 937	1.7	570	1.0	17 222	1.9
Crittenden	599	.8	2 276	18.4	547	.6	84 958	1.1	405	.9	39 790	1.2
Cumberland	523	1.2	2 623	12.2	504	1.0	40 390	2.0	462	1.1	14 559	2.2
Daviess	1 042	.6	23 946	2.6	985	.5	206 965	.4	921	.6	184 512	.4
Edmonson	706	.8	2 633	17.1	671	.7	52 694	1.3	577	.8	22 986	1.6
Elliott	439	.8	1 851	12.6	426	.6	21 009	2.2	398	.7	5 564	2.2
Estill	432	1.0	1 626	16.1	414	.7	27 564	2.1	372	.9	9 643	2.4
Fayette	743	.7	57 152	2.0	661	.7	90 866	1.0	500	1.0	31 209	1.3
Fleming	1 133	.9	13 172	6.0	1 085	.8	124 759	1.3	1 015	.9	51 622	1.2
Floyd	59	4.1	–14	53.6	54	1.6	1 702	8.9	44	2.6	683	11.8
Franklin	675	.8	5 371	17.7	633	.7	51 101	1.6	560	.8	20 896	1.9
Fulton	162	1.3	7 155	2.4	153	.8	83 371	.5	111	1.5	77 080	.5
Gallatin	253	1.2	2 498	10.2	243	.8	20 895	2.2	226	1.0	8 794	2.6
Garrard	879	.9	9 336	7.3	854	.8	86 048	1.3	782	.9	30 597	1.5
Grant	937	.7	5 231	11.8	879	.7	71 379	1.3	821	.7	23 930	1.6
Graves	1 371	.6	23 355	3.7	1 276	.7	185 677	.6	916	.9	129 529	.6
Grayson	1 411	.7	7 128	8.5	1 359	.6	129 723	.9	1 178	.7	57 845	1.1
Green	1 058	.9	9 159	8.6	1 022	.8	85 236	1.3	967	.8	40 266	1.4
Greenup	733	.7	3 078	11.4	700	.6	37 019	1.7	619	.7	14 273	1.8
Hancock	450	.9	4 112	11.2	430	.6	36 751	1.2	391	.8	23 916	1.2
Hardin	1 637	.7	7 249	10.0	1 534	.6	157 843	.8	1 338	.7	92 446	.8
Harlan	27	5.9	48	37.6	22	2.5	590	4.9	17	5.0	195	8.9
Harrison	1 078	.7	11 719	6.7	1 020	.5	113 076	1.0	948	.6	45 487	1.0
Hart	1 352	.8	12 797	6.4	1 307	.8	113 229	1.2	1 220	.9	45 893	1.3
Henderson	526	.7	12 898	4.2	491	.6	163 408	.5	437	.7	145 238	.4
Henry	955	.8	14 997	4.9	912	.8	100 701	1.1	859	.8	45 070	1.1
Hickman	294	1.0	9 866	3.7	274	.6	101 066	.5	189	1.2	87 875	.4
Hopkins	538	.6	7 198	8.1	494	.6	104 930	.7	386	.9	80 848	.8

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)
Jackson	688	.8	2 689	13.5	666	.7	33 811	1.8	629	.8	12 470	2.2
Jefferson	475	.9	3 203	13.7	418	.8	19 906	2.0	340	1.1	11 037	2.3
Jessamine	753	.6	39 388	1.4	700	.6	60 760	1.4	598	.8	24 903	1.7
Johnson	181	1.5	346	42.1	175	.8	5 421	3.0	160	1.1	2 027	3.6
Kenton	442	.7	1 228	21.6	423	.5	22 836	1.4	393	.6	9 627	1.5
Knott	21	6.6	–29	14.5	20	3.0	1 407	16.5	10	9.5	93	12.4
Knox	322	1.1	82	(H)	308	.8	18 668	2.2	271	1.1	9 068	2.5
Larue	806	.7	7 175	6.2	771	.6	84 398	1.0	686	.7	51 386	1.3
Laurel	1 082	.7	5 716	9.3	1 046	.5	54 741	1.1	969	.6	21 976	1.3
Lawrence	297	.9	519	22.5	275	.7	12 216	3.0	247	.9	3 390	2.1
Lee	160	1.6	656	17.9	152	.9	9 203	4.2	140	1.3	4 050	5.5
Leslie	17	7.6	62	17.2	14	5.1	(D)	(D)	12	6.6	51	8.6
Letcher	31	6.0	–45	9.9	24	3.9	491	6.2	16	6.6	174	8.7
Lewis	775	.7	6 615	5.9	748	.6	46 507	1.3	717	.6	21 031	1.5
Lincoln	1 258	.7	12 514	6.5	1 213	.7	110 086	1.2	1 111	.7	48 662	1.2
Livingston	404	.8	1 015	67.0	367	.7	74 462	1.1	262	1.2	37 293	1.3
Logan	1 203	.8	20 964	4.9	1 142	.8	205 967	.8	965	.9	144 901	.7
Lyon	249	1.3	1 444	12.1	233	.7	33 011	1.1	173	1.4	16 459	1.2
McCracken	457	.9	4 007	9.0	430	.6	54 556	1.1	332	1.0	43 300	1.3
McCreary	108	2.5	–81	52.5	101	1.1	4 801	4.8	85	1.9	2 063	4.6
McLean	422	1.0	12 652	6.4	387	.8	113 145	.7	351	1.0	101 676	.7
Madison	1 443	.7	17 641	5.6	1 374	.7	140 307	1.1	1 248	.7	47 521	1.1
Magoffin	372	1.2	1 251	11.2	359	1.0	9 796	3.7	336	1.1	2 969	2.9
Marion	982	.7	12 088	5.8	953	.7	101 156	1.0	903	.7	49 117	1.0
Marshall	674	.8	3 079	18.2	615	.7	62 116	1.3	411	1.1	34 668	1.6
Martin	9	5.6	–15	7.9	9	.8	(D)	(D)	6	8.3	330	15.2
Mason	752	1.0	11 286	5.5	737	.8	92 109	1.3	711	.8	44 793	1.3
Meade	840	.6	3 509	26.2	773	.6	80 123	1.1	649	.8	45 440	1.4
Menifee	345	1.1	1 159	14.2	341	.7	16 186	2.0	309	1.0	5 542	2.4
Mercer	975	.7	7 516	10.8	913	.6	91 759	1.0	781	.7	38 053	1.1
Metcalfe	951	.8	8 814	10.6	910	.7	71 035	1.2	862	.8	30 624	1.4
Monroe	973	.8	5 910	11.1	917	.8	90 704	1.2	816	.9	41 278	1.3
Montgomery	735	.9	9 178	9.3	706	.8	78 815	1.4	662	.9	28 724	1.4
Morgan	696	.9	4 223	13.9	685	.7	40 611	2.0	653	.8	12 166	2.4
Muhlenberg	559	.8	13 557	4.2	508	.7	71 630	1.0	444	.9	44 463	1.0
Nelson	1 250	.7	9 848	9.0	1 178	.6	118 267	1.1	1 061	.7	64 461	1.3
Nicholas	567	.9	5 225	11.1	539	.8	67 099	1.6	495	.9	21 896	1.7
Ohio	944	.7	9 802	5.0	884	.6	93 852	.9	767	.7	58 929	.9
Oldham	392	.8	1 373	41.5	354	.6	45 637	1.2	285	1.0	23 671	1.2
Owen	804	.8	8 502	6.5	765	.7	85 149	1.3	719	.8	31 063	1.3
Owsley	245	1.0	1 396	31.0	245	.8	8 982	3.5	239	.9	3 008	4.1
Pendleton	816	.8	5 561	9.7	770	.6	66 569	1.3	721	.7	26 254	1.5
Perry	29	5.3	22	30.1	29	.9	2 580	8.2	23	2.9	534	3.4
Pike	37	5.1	–52	15.6	32	2.5	1 440	5.7	26	3.8	629	7.2
Powell	230	1.3	997	20.7	222	.8	12 017	2.6	197	1.1	4 342	3.3
Pulaski	1 957	.6	10 773	6.9	1 880	.6	137 981	.9	1 695	.6	64 316	1.0
Robertson	273	1.1	2 994	20.2	265	.7	26 138	1.9	245	.9	9 075	2.3
Rockcastle	770	.8	3 262	15.8	735	.6	44 712	1.4	658	.7	17 132	1.6
Rowan	413	1.0	1 659	22.4	397	.7	20 749	2.1	370	.8	7 352	2.3
Russell	943	.8	6 578	8.8	884	.7	64 211	1.2	820	.7	29 278	1.2
Scott	851	.6	31 325	3.4	781	.6	100 099	1.0	679	.8	39 016	1.1
Shelby	1 400	.7	18 258	5.1	1 311	.6	139 866	.9	1 210	.7	78 478	.8
Simpson	582	.8	8 903	6.5	548	.7	98 457	.7	480	.9	78 109	.8
Spencer	593	.8	7 706	7.2	558	.7	55 944	1.4	514	.8	30 566	1.7
Taylor	971	.8	5 830	8.4	916	.8	72 520	1.3	834	.9	37 734	1.4
Todd	679	.9	21 976	2.0	661	.7	144 242	.7	556	.9	114 047	.6
Trigg	411	.8	5 756	8.6	384	.8	81 472	1.0	335	1.0	55 796	.7
Trimble	526	.9	4 590	15.8	504	.7	34 308	1.6	482	.8	15 973	1.5
Union	352	.9	20 307	2.1	320	.8	184 638	.5	291	1.0	165 760	.4
Warren	1 818	.8	16 650	5.4	1 679	.8	171 382	1.0	1 394	.9	97 651	1.0
Washington	1 049	.7	8 932	8.7	995	.6	107 240	1.0	903	.7	46 496	1.3
Wayne	804	.7	22 105	2.6	763	.6	59 608	1.3	705	.7	29 702	1.4
Webster	455	.6	10 542	7.0	418	.6	110 367	.7	363	.9	90 027	.7
Whitley	367	1.0	981	41.6	339	.8	23 868	2.1	289	1.1	8 817	2.5
Wolfe	381	1.3	1 903	40.1	368	.9	14 152	2.2	342	1.1	5 219	2.8
Woodford	678	.7	35 044	2.7	604	.8	79 142	1.1	507	1.0	28 495	1.1

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)
Kentucky	**4 104**	**.8**	**58 490**	**.6**	**48 898**	**.6**	**2 428 891**	**.6**	**41 171**	**.6**	**1 126 748**	**.7**
Adair	18	8.6	160	15.9	934	1.0	45 615	1.4	752	1.1	19 761	1.6
Allen	30	5.5	531	1.4	825	.9	50 027	1.0	727	1.0	21 187	1.4
Anderson	80	3.5	499	4.4	434	1.2	15 664	1.7	359	1.4	7 737	2.1
Ballard	15	7.9	119	11.4	186	1.8	11 236	2.5	165	1.9	5 546	2.5

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	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)
Barren	106	3.1	639	3.5	1 448	1.0	89 229	1.2	1 193	1.1	36 558	1.7
Bath	32	5.6	337	4.7	490	1.2	25 403	1.6	416	1.4	13 249	1.8
Bell	–	–	–	–	35	4.0	555	5.5	25	5.7	259	6.6
Boone	50	3.8	297	5.4	321	1.3	12 558	1.6	275	1.4	6 348	1.8
Bourbon	116	2.7	1 482	6.2	561	1.1	48 916	1.1	457	1.3	22 793	1.4
Boyd	9	8.5	76	20.9	136	1.5	3 636	4.5	116	1.8	(D)	(D)
Boyle	24	5.5	252	5.0	407	1.0	30 776	1.2	332	1.2	12 381	1.6
Bracken	88	2.9	1 135	2.4	377	1.2	13 057	1.7	331	1.3	6 140	1.8
Breathitt	5	11.8	46	18.6	44	4.7	672	6.8	27	6.3	(D)	(D)
Breckinridge	9	10.8	64	13.7	803	1.0	38 936	1.3	727	1.0	21 257	1.4
Bullitt	13	7.4	69	14.9	342	1.1	10 905	1.4	289	1.3	4 724	2.1
Butler	12	9.6	98	15.0	476	1.1	23 328	1.0	424	1.2	9 876	1.5
Caldwell	10	9.0	(D)	(D)	296	1.5	15 071	2.1	254	1.7	8 032	2.6
Calloway	48	3.8	913	2.2	262	1.5	12 510	2.2	230	1.6	5 420	2.7
Campbell	34	4.1	183	5.1	339	.9	8 895	1.5	308	1.0	4 467	1.6
Carlisle	5	10.0	35	8.7	101	2.2	5 063	2.3	81	2.6	2 435	2.9
Carroll	64	3.4	785	2.1	190	1.6	8 124	1.8	174	1.7	4 716	1.9
Carter	11	10.0	91	21.9	445	1.3	10 038	1.8	378	1.5	5 133	2.0
Casey	29	6.2	293	6.3	883	1.0	39 712	1.2	721	1.1	19 273	1.4
Christian	35	4.1	1 968	.3	627	1.0	37 201	1.1	501	1.1	17 458	1.5
Clark	56	3.4	835	2.0	580	1.0	46 012	1.1	469	1.1	19 784	1.4
Clay	6	7.6	77	3.0	125	2.5	3 704	2.7	100	2.9	1 673	3.3
Clinton	–	–	–	–	440	1.3	20 885	1.8	371	1.5	10 768	2.0
Crittenden	11	6.4	26	7.8	360	1.0	19 194	1.4	322	1.1	10 354	1.4
Cumberland	1	42.7	(D)	(D)	310	1.7	11 958	2.3	268	1.9	6 473	2.5
Daviess	64	2.9	3 147	.8	473	1.1	19 392	1.3	405	1.2	9 685	1.5
Edmonson	4	10.8	4	10.8	461	1.1	18 108	1.7	395	1.2	8 831	1.8
Elliott	1	33.4	(D)	(D)	217	1.6	5 179	2.5	182	1.8	2 912	2.7
Estill	8	10.2	35	14.2	258	1.4	6 787	2.4	227	1.6	3 666	2.5
Fayette	71	3.0	1 216	1.9	269	1.6	24 855	1.4	202	1.9	(D)	(D)
Fleming	31	5.8	199	8.2	768	1.1	44 671	1.2	605	1.3	16 948	1.8
Floyd	2	–	(D)	(D)	41	2.8	421	6.1	30	4.4	196	6.9
Franklin	118	2.7	1 172	3.9	388	1.2	14 581	1.7	343	1.3	7 093	1.8
Fulton	3	–	2 526	–	43	3.4	2 079	5.7	34	4.3	1 095	5.8
Gallatin	26	5.6	271	4.2	141	1.9	4 795	2.4	123	2.1	2 370	2.6
Garrard	12	8.0	81	5.8	603	1.1	39 690	1.5	487	1.3	15 469	1.8
Grant	94	3.0	743	3.9	534	1.1	16 663	1.6	480	1.2	8 830	1.7
Graves	57	3.6	1 196	2.7	455	1.2	16 957	1.5	362	1.4	7 020	1.8
Grayson	14	9.8	194	15.0	886	.9	41 616	1.2	751	1.0	20 680	1.3
Green	17	7.5	112	5.3	695	1.1	34 029	1.4	590	1.2	17 055	1.6
Greenup	11	9.9	50	13.2	415	1.1	10 457	1.9	345	1.3	4 889	2.3
Hancock	26	5.4	197	5.1	247	1.5	8 150	2.1	224	1.6	4 515	2.2
Hardin	18	6.6	125	6.4	1 006	.9	44 698	1.1	859	1.0	21 480	1.3
Harlan	2	19.3	(D)	(D)	14	6.1	(D)	(D)	10	9.0	100	9.8
Harrison	295	1.5	2 617	1.6	730	.8	34 822	1.1	664	.9	18 667	1.1
Hart	34	5.5	259	10.5	902	1.1	45 868	1.4	714	1.2	21 206	1.6
Henderson	18	6.1	2 265	2.0	219	1.5	12 886	2.3	195	1.7	6 480	2.0
Henry	218	2.1	2 776	1.6	578	1.1	31 114	1.2	489	1.3	14 669	1.4
Hickman	12	4.0	2 474	.1	96	2.1	5 176	2.0	76	2.5	2 214	2.1
Hopkins	7	9.6	9	12.4	302	1.2	13 087	1.8	279	1.3	6 484	1.9
Jackson	5	12.2	9	11.8	333	1.5	11 340	2.3	272	1.7	5 247	2.7
Jefferson	40	4.1	186	3.8	192	1.9	4 813	3.5	170	2.1	(D)	(D)
Jessamine	58	3.3	714	1.8	378	1.2	23 604	1.7	287	1.5	11 018	2.2
Johnson	7	11.0	33	13.3	81	2.6	1 326	3.6	68	3.0	(D)	(D)
Kenton	8	8.1	13	13.4	257	1.2	6 920	1.5	223	1.3	3 496	1.6
Knott	–	–	–	–	17	3.9	389	8.5	13	5.4	(D)	(D)
Knox	5	15.0	94	15.6	181	1.8	5 384	3.3	156	2.1	2 978	3.6
Larue	21	5.9	165	3.7	534	.9	29 810	1.2	442	1.1	13 376	1.6
Laurel	10	9.9	18	9.9	596	1.0	21 224	1.7	509	1.1	11 158	2.2
Lawrence	9	10.0	87	15.7	157	1.7	3 221	2.4	137	1.9	1 749	2.5
Lee	7	13.6	53	26.3	69	3.2	2 205	6.6	58	3.7	1 184	6.9
Leslie	–	–	–	–	3	22.0	(D)	(D)	1	–	(D)	(D)
Letcher	1	–	(D)	(D)	23	4.1	252	6.0	20	5.1	(D)	(D)
Lewis	1	35.1	(D)	(D)	417	1.2	13 179	1.7	350	1.3	6 237	2.0
Lincoln	14	7.2	111	8.4	855	.9	52 841	1.2	680	1.1	21 856	1.5
Livingston	3	15.5	(D)	(D)	250	1.3	17 840	1.7	230	1.4	(D)	(D)
Logan	28	6.0	964	4.4	726	1.0	41 496	1.4	629	1.2	20 437	1.7
Lyon	2	–	(D)	(D)	152	1.5	7 121	1.7	139	1.7	3 857	1.9
McCracken	20	6.8	126	14.1	147	2.1	4 660	2.1	123	2.4	1 648	3.3
McCreary	–	–	–	–	83	2.0	2 146	5.9	73	2.4	1 179	5.3
McLean	6	8.7	23	8.0	155	2.1	6 105	2.8	140	2.3	(D)	(D)
Madison	40	4.5	167	5.4	931	.9	61 556	1.1	733	1.0	24 227	1.4
Magoffin	7	13.5	98	25.6	129	2.8	1 616	3.7	104	3.2	753	4.1
Marion	89	3.0	589	2.8	717	.9	47 818	1.1	595	1.1	19 611	1.4
Marshall	8	12.2	201	19.8	344	1.3	11 478	2.3	298	1.4	6 020	2.5
Martin	1	50.0	(D)	(D)	8	.9	218	8.3	5	10.0	133	7.1
Mason	39	4.5	375	3.7	478	1.2	28 335	1.4	385	1.4	12 135	2.0
Meade	5	14.5	59	19.1	560	.9	23 296	1.6	481	1.1	12 127	1.6
Menifee	1	42.3	(D)	(D)	164	2.0	4 124	2.6	132	2.4	1 885	3.0
Mercer	109	2.6	1 025	2.5	634	.9	35 723	1.1	484	1.1	13 306	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	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)
Metcalfe	39	5.1	178	4.6	645	1.0	32 322	1.3	507	1.2	12 154	1.8
Monroe	22	6.7	178	7.0	750	.9	50 324	1.1	630	1.1	22 363	1.5
Montgomery	10	10.3	70	12.5	454	1.2	30 217	1.5	395	1.3	16 220	1.6
Morgan	7	10.9	13	17.4	275	1.7	9 142	2.5	240	1.9	4 936	2.4
Muhlenberg	8	12.4	43	21.1	350	1.1	13 785	1.7	323	1.2	7 719	1.8
Nelson	65	3.9	958	5.6	854	.9	42 589	1.2	693	1.0	17 496	1.6
Nicholas	42	4.4	565	3.7	375	1.2	19 851	1.6	340	1.3	10 929	1.7
Ohio	15	7.2	102	11.3	538	1.1	18 269	1.7	483	1.2	10 103	1.4
Oldham	23	5.2	115	3.4	186	1.5	10 903	1.8	145	1.8	5 218	2.0
Owen	177	2.1	1 954	2.3	508	1.1	22 300	1.3	454	1.2	11 977	1.4
Owsley	4	18.5	4	18.5	58	3.9	1 315	5.7	47	4.3	779	6.1
Pendleton	102	2.8	1 271	2.1	570	.9	17 811	1.3	485	1.0	9 509	1.6
Perry	1	–	(D)	(D)	21	3.8	723	8.6	16	5.8	312	10.7
Pike	1	35.0	(D)	(D)	28	3.2	539	5.7	20	5.1	239	8.4
Powell	3	17.0	13	20.4	92	2.6	2 547	5.2	70	3.2	1 119	5.1
Pulaski	21	6.5	288	10.4	1 447	.7	65 513	1.0	1 216	.8	31 815	1.2
Robertson	16	7.4	176	6.5	152	1.7	5 597	2.7	140	1.9	3 041	2.7
Rockcastle	3	18.2	(D)	(D)	505	1.0	17 185	1.8	432	1.2	8 609	1.8
Rowan	5	12.8	10	18.5	181	1.9	5 271	3.5	159	2.1	(D)	(D)
Russell	16	8.1	32	8.0	579	1.0	31 409	1.3	442	1.3	13 044	1.8
Scott	192	1.9	3 079	1.3	491	1.0	35 338	1.3	429	1.1	16 929	1.4
Shelby	188	2.1	1 680	2.3	792	.9	43 879	1.0	613	1.1	16 461	1.6
Simpson	14	8.7	47	21.6	329	1.3	15 478	1.7	275	1.6	7 461	2.2
Spencer	45	4.2	662	3.2	379	1.1	18 447	1.5	322	1.3	7 563	1.8
Taylor	27	6.2	321	8.0	665	1.0	31 666	1.6	550	1.2	14 564	1.8
Todd	25	5.4	485	1.7	342	1.2	24 361	1.2	263	1.5	9 407	1.6
Trigg	9	8.2	69	2.5	255	1.4	18 257	1.8	242	1.5	10 232	2.1
Trimble	68	3.8	589	4.4	304	1.4	8 451	2.0	281	1.5	4 877	2.1
Union	9	5.1	2 100	(L)	203	1.4	17 973	1.5	187	1.6	(D)	(D)
Warren	41	4.9	390	12.7	1 254	.9	77 118	1.0	1 102	1.0	32 482	1.3
Washington	144	2.4	1 088	2.7	744	.9	41 017	1.1	611	1.0	18 969	1.2
Wayne	27	5.2	141	8.5	557	.9	27 627	1.7	475	1.1	13 563	1.3
Webster	1	–	(D)	(D)	203	1.5	11 598	1.6	187	1.7	5 786	2.1
Whitley	3	20.4	9	23.5	254	1.3	7 388	2.8	215	1.6	4 094	3.5
Wolfe	1	44.7	(D)	(D)	131	2.6	3 142	3.4	102	3.1	1 693	3.5
Woodford	106	2.6	1 755	1.8	338	1.4	24 273	1.5	280	1.6	10 981	1.8

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)
Kentucky	**3 393**	**.8**	**145 557**	**.6**	**1 881**	**.9**	**563 797**	**.3**	**795**	**1.2**	**21 664**	**1.7**
Adair	142	2.5	6 883	1.9	26	6.5	1 157	8.9	7	12.4	63	19.9
Allen	58	4.2	974	4.3	56	4.0	36 191	.5	20	7.6	557	11.0
Anderson	24	5.6	1 062	5.0	12	9.2	336	4.4	6	13.5	121	17.4
Ballard	4	–	609	–	14	5.2	10 469	.6	5	13.2	59	18.2
Barren	169	2.3	9 967	1.6	32	6.1	1 700	8.4	13	8.6	518	1.6
Bath	34	5.6	794	5.3	5	15.6	29	16.8	5	14.7	76	20.8
Bell	–	–	–	–	1	34.3	(D)	(D)	1	49.3	(D)	(D)
Boone	15	5.4	610	3.7	15	7.1	523	6.6	13	7.4	247	11.6
Bourbon	10	8.9	194	4.4	24	4.5	11 452	1.5	17	7.7	1 123	13.3
Boyd	7	9.7	(D)	(D)	4	15.9	(D)	(D)	1	30.6	(D)	(D)
Boyle	23	5.8	578	5.6	8	11.5	1 206	11.1	7	12.1	77	15.0
Bracken	26	4.8	1 090	4.6	11	9.8	293	23.7	3	22.0	9	24.5
Breathitt	1	36.0	(D)	(D)	7	12.1	37	7.6	1	–	(D)	(D)
Breckinridge	28	6.4	469	8.4	39	3.8	16 142	1.6	15	8.2	615	6.0
Bullitt	20	6.3	681	2.6	16	7.5	522	7.4	3	21.7	(D)	(D)
Butler	14	8.6	270	6.5	29	5.6	21 010	2.7	4	12.9	78	11.5
Caldwell	13	8.3	713	3.9	19	6.4	9 346	.8	2	23.8	(D)	(D)
Calloway	7	7.9	1 291	.2	17	6.8	9 040	1.8	7	10.3	58	10.8
Campbell	7	7.5	140	9.0	17	5.6	765	10.3	9	8.2	78	11.4
Carlisle	11	4.5	767	3.6	20	4.5	9 358	.9	5	12.1	83	15.6
Carroll	10	9.0	221	6.9	5	10.2	(D)	(D)	1	28.4	(D)	(D)
Carter	21	7.0	312	11.8	9	10.3	421	14.0	2	27.4	(D)	(D)
Casey	102	3.2	3 275	2.9	32	5.4	10 071	1.6	7	11.8	104	15.5
Christian	60	3.9	1 756	4.1	57	3.6	18 088	3.3	7	11.0	111	19.0
Clark	17	7.7	99	10.4	10	7.8	785	2.3	17	6.1	996	5.8
Clay	6	12.2	70	2.2	7	11.9	(D)	(D)	1	–	(D)	(D)
Clinton	28	6.3	840	6.8	15	8.4	919	14.3	4	16.8	80	19.3
Crittenden	34	4.4	287	9.1	36	4.5	1 810	10.0	11	8.1	263	6.2
Cumberland	24	7.0	766	6.4	8	15.2	150	26.4	3	19.6	16	20.3
Daviess	11	6.7	684	2.2	34	4.3	22 889	.5	11	9.7	83	9.8
Edmonson	46	4.0	1 442	4.1	21	6.1	5 539	4.5	8	11.0	448	15.4
Elliott	8	10.9	21	14.5	8	11.8	50	13.9	3	17.2	96	19.8
Estill	8	12.1	34	15.1	15	8.1	594	19.4	3	19.2	110	19.2
Fayette	4	11.5	(D)	(D)	3	15.0	(D)	(D)	12	8.6	911	7.7

See footnotes at end of table.

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

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

Geographic area	Livestock and poultry—Con.											
	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)
Fleming	110	2.7	6 336	1.8	20	6.8	1 634	7.1	15	8.6	146	13.5
Floyd	3	21.5	13	23.0	6	11.6	37	14.0	–	–	–	–
Franklin	12	8.9	170	12.0	8	10.0	(D)	(D)	11	10.1	145	14.4
Fulton	–	–	–	–	–	–	–	–	2	26.5	(D)	(D)
Gallatin	7	9.6	352	8.2	1	33.3	(D)	(D)	5	13.2	(D)	(D)
Garrard	49	4.0	1 614	3.8	14	7.7	(D)	(D)	8	11.4	98	13.1
Grant	8	10.6	308	7.1	6	12.8	(D)	(D)	7	10.7	80	13.5
Graves	23	5.2	1 237	3.4	47	3.5	27 621	1.1	14	7.9	282	9.3
Grayson	77	3.1	3 083	2.0	46	4.4	11 908	5.3	13	8.6	417	8.8
Green	79	3.2	3 608	2.6	19	8.3	759	12.5	3	21.7	123	24.8
Greenup	19	7.0	379	5.5	4	16.1	34	17.3	5	16.2	(D)	(D)
Hancock	11	8.4	48	16.0	11	7.6	10 728	.6	5	14.7	183	14.7
Hardin	59	3.3	2 654	1.5	59	3.7	12 253	2.3	17	8.5	638	6.5
Harlan	2	19.3	(D)	(D)	–	–	–	–	–	–	–	–
Harrison	17	6.5	293	6.7	16	6.8	1 949	2.4	18	6.6	632	5.1
Hart	131	2.7	4 633	2.5	19	8.2	163	12.4	13	9.9	386	17.7
Henderson	6	13.7	48	26.1	19	5.8	7 765	3.4	8	10.7	118	14.7
Henry	38	3.8	2 378	2.1	13	8.0	677	7.9	10	11.0	401	16.1
Hickman	5	12.3	332	6.1	8	8.4	4 344	8.9	4	13.7	93	16.8
Hopkins	4	16.4	52	19.8	17	5.9	26 459	.1	7	11.6	57	16.4
Jackson	26	6.3	999	4.3	9	11.0	671	12.5	6	13.1	58	13.9
Jefferson	4	17.6	(D)	(D)	11	10.0	282	16.2	6	15.5	195	19.9
Jessamine	10	7.5	317	8.5	7	12.7	127	28.3	12	9.3	250	19.8
Johnson	4	16.8	(D)	(D)	4	15.7	36	20.3	–	–	–	–
Kenton	9	6.8	265	5.0	3	15.2	12	14.9	8	10.3	80	20.9
Knott	2	23.6	(D)	(D)	1	–	(D)	(D)	–	–	–	–
Knox	11	9.2	112	4.0	10	11.8	53	13.3	3	16.5	20	17.5
Larue	48	3.8	3 215	2.0	25	5.1	2 956	4.9	7	11.1	483	24.4
Laurel	24	5.9	576	5.8	15	8.5	953	4.7	8	11.3	147	12.7
Lawrence	9	10.9	45	15.4	7	11.6	65	21.1	1	29.2	(D)	(D)
Lee	5	19.1	25	25.3	6	14.9	26	15.2	3	19.7	(D)	(D)
Leslie	1	50.0	(D)	(D)	1	50.0	(D)	(D)	1	43.3	(D)	(D)
Letcher	1	39.0	(D)	(D)	3	15.7	152	11.2	2	27.0	(D)	(D)
Lewis	35	4.6	1 110	4.0	15	8.4	77	16.0	4	16.4	45	25.5
Lincoln	94	3.0	4 716	2.3	16	8.5	454	3.5	12	9.6	195	12.7
Livingston	2	–	(D)	(D)	11	8.9	2 152	6.1	3	19.5	51	25.2
Logan	51	3.2	3 748	1.2	41	4.3	8 225	3.3	2	26.8	(D)	(D)
Lyon	4	11.2	114	11.5	10	8.1	2 966	3.6	1	26.4	(D)	(D)
McCracken	5	9.0	311	3.6	3	14.1	(D)	(D)	3	21.8	28	24.1
McCreary	3	20.0	3	20.0	4	18.2	8	18.2	–	–	–	–
McLean	3	12.9	(D)	(D)	22	4.4	26 808	.7	6	13.9	72	17.9
Madison	27	5.8	477	4.9	21	6.9	1 112	6.0	8	10.7	275	3.0
Magoffin	17	8.4	51	7.6	7	13.4	28	23.8	–	–	–	–
Marion	73	2.5	4 639	1.7	20	5.5	12 697	1.6	9	11.5	349	17.0
Marshall	9	10.3	134	7.5	13	8.6	(D)	(D)	3	18.5	(D)	(D)
Martin	–	–	–	–	1	–	(D)	(D)	–	–	–	–
Mason	73	2.9	4 699	2.1	19	6.6	491	10.0	17	7.7	229	10.4
Meade	20	6.7	490	7.4	39	4.6	5 623	4.0	9	11.0	154	17.1
Menifee	7	13.5	23	14.5	4	17.9	11	20.9	1	26.8	(D)	(D)
Mercer	53	3.2	2 782	2.2	13	7.9	110	8.0	18	7.2	618	12.8
Metcalfe	103	3.0	4 133	2.6	21	7.0	164	7.6	8	12.9	67	17.4
Monroe	64	3.2	4 236	1.6	14	9.0	384	2.7	1	41.0	(D)	(D)
Montgomery	18	7.0	425	5.6	7	12.7	71	34.3	7	13.9	217	23.0
Morgan	12	9.6	111	3.9	5	15.3	20	17.7	3	17.3	(D)	(D)
Muhlenberg	8	9.5	128	5.5	9	10.3	(D)	(D)	3	16.3	17	19.3
Nelson	92	2.5	5 340	1.5	51	3.8	42 543	.8	18	7.0	603	4.8
Nicholas	16	7.8	389	8.3	6	12.6	361	9.2	6	13.7	111	20.0
Ohio	14	8.4	165	8.6	27	5.7	3 005	8.1	19	6.8	220	8.5
Oldham	11	7.1	771	5.0	6	9.5	(D)	(D)	8	9.4	95	12.3
Owen	24	5.5	685	5.8	5	13.3	14	15.9	9	8.8	898	4.6
Owsley	4	21.2	6	22.7	4	19.4	14	23.7	–	–	–	–
Pendleton	18	6.8	569	5.9	12	8.3	385	2.5	11	9.0	227	18.0
Perry	3	15.7	4	11.8	4	17.0	45	25.1	–	–	–	–
Pike	–	–	–	–	2	23.6	(D)	(D)	–	–	–	–
Powell	9	9.7	105	13.6	6	12.7	37	16.5	2	14.0	(D)	(D)
Pulaski	106	2.6	4 449	2.3	41	4.7	1 626	10.9	12	8.7	231	18.6
Robertson	13	8.2	286	8.9	3	14.9	(D)	(D)	3	17.8	69	22.2
Rockcastle	32	5.3	863	5.5	12	8.8	267	25.1	3	15.7	14	15.9
Rowan	3	20.7	(D)	(D)	8	11.9	310	2.7	1	–	(D)	(D)
Russell	76	3.0	3 443	2.4	11	9.2	592	5.6	3	16.1	(D)	(D)
Scott	10	9.9	117	3.7	4	14.6	173	9.8	15	8.5	402	10.2
Shelby	99	2.4	5 063	1.7	16	5.9	9 940	.4	25	6.2	867	9.6
Simpson	23	4.9	1 153	2.4	23	5.4	6 924	1.2	3	20.5	(D)	(D)
Spencer	45	3.2	2 812	1.7	8	12.6	360	25.2	5	12.6	37	19.6
Taylor	65	3.7	3 202	2.9	26	6.2	2 800	1.5	8	10.2	64	16.0
Todd	53	2.5	3 656	1.3	40	3.7	21 989	1.0	9	9.0	107	16.7
Trigg	4	12.4	115	3.0	18	5.4	22 545	.3	3	15.3	28	15.6
Trimble	5	17.2	222	22.1	3	21.9	5	23.5	6	11.3	43	21.4
Union	1	–	(D)	(D)	33	3.5	31 045	.8	3	15.4	34	20.7
Warren	66	3.2	4 807	1.8	38	5.0	21 548	1.7	9	10.7	325	16.9

See footnotes at end of table.

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

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

Geographic area	Livestock and poultry—Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Washington	62	3.5	3 332	2.0	12	8.2	2 367	3.4	7	12.6	168	18.0
Wayne	21	6.2	707	5.9	29	5.0	10 197	2.0	10	10.4	534	12.2
Webster	8	10.6	51	20.0	28	5.6	2 430	7.2	7	11.5	123	18.9
Whitley	10	9.9	72	19.6	11	9.5	82	12.8	2	27.3	(D)	(D)
Wolfe	10	10.8	31	15.1	8	11.4	187	9.0	–	–	–	–
Woodford	3	21.3	6	31.1	4	15.9	(D)	(D)	14	8.2	561	10.5

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)
Kentucky	**1 882**	**.9**	**2 822 970**	**1.0**	**243**	**.9**	**91 548 829**	**(L)**
Adair	40	5.3	616	6.0	–	–	–	–
Allen	30	6.4	903	7.0	–	–	–	–
Anderson	14	8.8	185	9.2	–	–	–	–
Ballard	7	10.0	(D)	(D)	10	–	4 589 800	–
Barren	42	5.8	728	7.9	–	–	–	–
Bath	15	9.4	252	11.6	–	–	–	–
Bell	2	23.7	(D)	(D)	–	–	–	–
Boone	24	5.4	587	5.8	1	29.9	(D)	(D)
Bourbon	16	7.6	474	18.2	–	–	–	–
Boyd	9	8.9	168	7.5	–	–	–	–
Boyle	13	7.5	449	13.0	1	28.0	(D)	(D)
Bracken	13	7.7	253	13.5	–	–	–	–
Breathitt	8	12.0	145	12.6	–	–	–	–
Breckinridge	31	5.9	496	7.9	3	10.8	428 000	4.8
Bullitt	18	7.0	366	7.3	–	–	–	–
Butler	16	8.2	207	9.6	6	–	2 303 936	–
Caldwell	11	10.7	358	12.7	–	–	–	–
Calloway	8	10.5	233	21.9	10	–	5 719 990	–
Campbell	22	5.3	513	7.9	–	–	–	–
Carlisle	7	10.4	50 006	17.7	6	–	2 501 250	–
Carroll	1	28.4	(D)	(D)	–	–	–	–
Carter	21	7.8	269	9.1	–	–	–	–
Casey	40	5.4	870	6.0	7	12.3	632	21.7
Christian	30	5.6	80 784	5.8	3	10.5	(D)	(D)
Clark	20	6.6	367	7.9	–	–	–	–
Clay	14	9.1	314	8.9	–	–	–	–
Clinton	11	10.6	203	15.0	–	–	–	–
Crittenden	19	6.0	706	7.3	1	27.9	(D)	(D)
Cumberland	10	11.9	445	15.4	–	–	–	–
Daviess	14	8.8	197	10.4	4	–	1 901 721	–
Edmonson	17	7.1	72 924	8.5	–	–	–	–
Elliott	13	9.0	216	11.1	1	33.4	(D)	(D)
Estill	15	8.4	208	9.0	–	–	–	–
Fayette	8	9.6	420	3.6	1	–	(D)	(D)
Fleming	25	6.6	591	8.5	–	–	–	–
Floyd	5	13.4	134	12.8	–	–	–	–
Franklin	14	9.1	307	14.5	–	–	–	–
Fulton	4	13.2	(D)	(D)	1	–	(D)	(D)
Gallatin	1	33.3	(D)	(D)	–	–	–	–
Garrard	18	7.6	872	23.3	–	–	–	–
Grant	24	6.6	401	10.6	–	–	–	–
Graves	18	6.6	108 171	11.0	50	.6	27 464 336	(L)
Grayson	38	4.8	52 858	6.2	8	–	2 628 000	–
Green	22	6.8	446	8.7	1	33.5	(D)	(D)
Greenup	15	8.3	317	12.7	–	–	–	–
Hancock	12	8.5	149	9.0	–	–	–	–
Hardin	46	4.8	940	5.9	–	–	–	–
Harlan	1	38.6	(D)	(D)	–	–	–	–
Harrison	24	6.7	452	8.0	1	26.7	(D)	(D)
Hart	37	5.5	781	6.1	–	–	–	–
Henderson	7	11.8	(D)	(D)	–	–	–	–
Henry	13	9.9	195	13.1	–	–	–	–
Hickman	3	15.9	(D)	(D)	19	1.5	10 061 256	.3
Hopkins	9	10.5	(D)	(D)	3	–	1 118 972	–
Jackson	12	8.8	388	9.2	1	37.5	(D)	(D)
Jefferson	21	7.2	496	9.5	–	–	–	–
Jessamine	13	8.8	169	10.0	–	–	–	–
Johnson	9	11.4	280	14.9	–	–	–	–
Kenton	10	8.2	(D)	(D)	1	–	(D)	(D)
Knott	7	12.1	141	12.8	–	–	–	–
Knox	15	9.0	273	11.5	–	–	–	–
Larue	29	5.6	436	7.2	–	–	–	–
Laurel	17	7.8	261	8.7	–	–	–	–
Lawrence	11	8.1	154	9.1	–	–	–	–

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)
Lee	6	14.1	93	12.6	–	–	–	–
Leslie	1	50.0	(D)	(D)	–	–	–	–
Letcher	4	17.8	190	17.8	–	–	–	–
Lewis	20	7.3	454	11.1	–	–	–	–
Lincoln	40	5.1	945	7.1	1	35.8	(D)	(D)
Livingston	4	18.4	51	21.3	2	–	(D)	(D)
Logan	13	9.5	(D)	(D)	2	29.5	(D)	(D)
Lyon	11	7.4	680	10.9	1	30.7	(D)	(D)
McCracken	8	11.7	(D)	(D)	4	–	1 905 800	–
McCreary	9	11.3	158	13.1	–	–	–	–
McLean	7	11.7	114 030	8.7	29	–	11 415 790	–
Madison	27	5.6	529	6.2	2	24.7	(D)	(D)
Magoffin	19	8.2	281	9.4	–	–	–	–
Marion	8	10.1	136	12.8	–	–	–	–
Marshall	10	9.4	(D)	(D)	6	–	3 302 119	–
Martin	–	–	–	–	–	–	–	–
Mason	2	23.7	(D)	(D)	–	–	–	–
Meade	19	7.2	262	7.7	4	8.5	959 010	(L)
Menifee	8	12.5	322	14.1	–	–	–	–
Mercer	27	5.9	374	7.2	1	31.9	(D)	(D)
Metcalfe	16	8.6	226	11.9	–	–	–	–
Monroe	12	10.2	277	11.3	2	16.8	(D)	(D)
Montgomery	11	10.1	227	13.4	1	40.4	(D)	(D)
Morgan	24	6.6	558	8.0	–	–	–	–
Muhlenberg	13	8.4	(D)	(D)	5	6.5	1 382 813	1.3
Nelson	35	5.0	587	6.1	1	33.2	(D)	(D)
Nicholas	16	7.5	393	8.5	2	24.7	(D)	(D)
Ohio	15	8.6	(D)	(D)	25	–	8 596 910	–
Oldham	15	6.9	338	7.8	–	–	–	–
Owen	6	12.2	53	13.4	–	–	–	–
Owsley	9	12.8	125	14.1	1	37.8	(D)	(D)
Pendleton	33	4.9	742	6.3	1	32.3	(D)	(D)
Perry	1	49.0	(D)	(D)	–	–	–	–
Pike	5	13.7	152	18.3	–	–	–	–
Powell	10	9.5	258	10.7	–	–	–	–
Pulaski	57	3.9	(D)	(D)	–	–	–	–
Robertson	7	11.0	83	11.0	–	–	–	–
Rockcastle	21	6.8	309	8.1	–	–	–	–
Rowan	4	16.0	166	22.5	–	–	–	–
Russell	14	9.4	219	11.7	–	–	–	–
Scott	24	6.6	425	9.1	1	34.1	(D)	(D)
Shelby	27	5.2	612	5.7	3	21.0	(D)	(D)
Simpson	6	15.1	205	19.9	–	–	–	–
Spencer	12	9.1	176	12.2	1	30.0	(D)	(D)
Taylor	23	6.4	503	11.0	–	–	–	–
Todd	24	5.7	(D)	(D)	–	–	–	–
Trigg	5	14.3	66	13.3	–	–	–	–
Trimble	13	7.9	378	13.7	–	–	–	–
Union	1	–	(D)	(D)	–	–	–	–
Warren	24	6.8	(D)	(D)	1	–	(D)	(D)
Washington	19	6.6	322	7.9	–	–	–	–
Wayne	29	5.1	344 563	.7	1	34.0	(D)	(D)
Webster	3	17.4	10	15.5	7	–	3 143 693	–
Whitley	16	8.6	302	11.0	–	–	–	–
Wolfe	12	10.4	226	11.2	–	–	–	–
Woodford	18	6.8	391	11.2	–	–	–	–

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)
Kentucky	**11 021**	**.7**	**1 086 381**	**.3**	**110 787 023**	**.3**	**3 062**	**.8**	**104 920**	**.5**	**1 438 492**	**.5**
Adair	152	2.5	3 659	2.4	304 712	2.3	103	2.8	3 553	1.9	56 794	1.7
Allen	136	2.6	3 278	3.2	258 171	3.4	10	6.8	251	1.9	3 336	1.2
Anderson	18	7.5	620	10.6	37 940	8.9	11	7.6	344	6.9	2 890	4.7
Ballard	111	2.2	21 283	1.0	2 564 838	.9	6	–	483	–	6 877	–
Barren	234	2.2	8 929	1.4	692 496	1.3	120	2.6	5 232	1.6	74 726	1.4
Bath	111	3.0	2 338	3.0	216 456	3.7	27	5.0	775	5.1	12 639	5.0
Bell	2	35.4	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Boone	78	2.8	2 636	2.8	208 858	3.3	23	5.0	439	3.5	6 330	4.1
Bourbon	135	2.2	6 054	1.4	532 856	1.1	36	3.5	1 351	2.2	16 910	1.9
Boyd	12	9.2	105	11.6	8 764	16.7	3	19.4	44	19.8	605	22.9
Boyle	52	3.4	2 472	2.7	148 588	3.3	52	3.2	1 633	2.7	22 474	2.7
Bracken	38	4.8	749	5.4	52 160	5.2	20	5.8	478	4.0	5 506	3.9
Breathitt	24	5.8	216	9.6	14 740	13.9	1	36.0	(D)	(D)	(D)	(D)
Breckinridge	232	1.9	17 125	1.2	1 188 220	1.2	19	6.6	774	5.1	8 922	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											
	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)
Bullitt	54	3.5	2 303	3.6	144 817	3.2	14	5.1	838	1.7	9 708	1.5
Butler	123	2.5	13 081	1.6	1 151 053	1.3	10	6.3	446	3.3	5 973	1.1
Caldwell	106	2.8	16 790	1.4	1 768 861	1.3	13	7.8	972	7.0	12 235	12.1
Calloway	183	1.6	33 004	.6	3 383 974	.6	7	7.1	243	2.3	4 138	2.8
Campbell	41	3.3	545	3.3	50 921	2.8	23	4.5	347	7.8	3 714	5.6
Carlisle	90	2.1	22 411	.7	2 632 415	.7	10	5.8	343	4.8	4 976	3.5
Carroll	27	5.2	587	3.7	44 533	4.5	12	6.8	318	1.4	4 574	1.0
Carter	51	4.5	649	7.6	56 833	7.9	8	12.0	111	7.8	1 920	6.9
Casey	163	2.5	4 273	4.5	381 170	4.9	83	3.1	1 941	1.8	34 026	1.4
Christian	307	1.4	63 281	.5	7 828 354	.5	49	4.1	1 073	4.9	16 639	4.8
Clark	75	3.0	3 878	4.1	299 021	3.2	23	4.4	688	2.0	8 460	1.6
Clay	41	4.7	408	3.3	38 222	3.2	5	12.7	98	2.4	994	3.7
Clinton	40	5.2	981	5.5	83 020	5.7	27	6.0	668	5.5	9 772	7.0
Crittenden	102	2.3	7 955	2.4	742 142	2.3	19	6.0	301	7.6	2 600	6.7
Cumberland	50	4.9	889	5.2	71 456	5.8	12	8.7	368	5.0	4 890	5.7
Daviess	342	1.2	76 545	.4	7 470 528	.4	24	4.0	752	1.7	11 777	3.6
Edmonson	47	4.0	2 472	3.8	198 474	3.9	11	6.9	458	5.4	5 489	3.1
Elliott	34	5.0	141	5.6	9 952	6.5	9	9.1	191	10.8	860	11.4
Estill	55	3.9	1 249	4.8	97 647	4.9	7	13.4	122	16.4	670	14.1
Fayette	51	3.3	3 594	1.9	339 203	1.8	14	7.5	568	3.2	8 851	3.2
Fleming	201	2.2	3 826	2.2	307 712	2.5	108	2.9	3 300	2.2	39 625	2.1
Floyd	17	6.8	273	26.8	23 150	27.4	2	25.4	(D)	(D)	(D)	(D)
Franklin	27	5.4	726	6.1	54 226	6.1	11	8.8	164	10.4	895	14.6
Fulton	73	1.8	23 376	.6	2 810 218	.5	–	–	–	–	–	–
Gallatin	11	8.9	531	2.0	58 336	1.7	8	9.2	318	7.8	4 136	4.9
Garrard	53	4.3	1 353	4.4	108 177	4.3	38	4.2	1 032	2.5	16 989	2.5
Grant	30	5.5	515	5.3	37 152	5.6	22	6.6	367	2.9	4 873	3.4
Graves	332	1.4	48 590	.6	5 478 490	.6	21	4.0	825	1.9	14 135	1.8
Grayson	203	2.0	12 481	1.9	934 849	2.2	42	3.4	2 579	1.5	37 973	1.7
Green	124	2.7	3 406	3.3	263 013	3.4	43	4.3	1 333	3.8	20 824	3.3
Greenup	68	3.5	1 139	4.6	88 819	5.6	25	6.1	480	10.0	6 234	7.2
Hancock	60	3.2	6 003	1.4	610 217	1.4	–	–	–	–	–	–
Hardin	288	1.6	23 054	1.2	1 808 046	1.2	70	3.0	2 965	2.1	40 528	2.3
Harlan	–	–	–	–	–	–	–	–	–	–	–	–
Harrison	120	2.2	2 482	2.6	188 934	2.7	48	3.8	824	3.5	11 020	4.1
Hart	167	2.5	4 545	2.8	334 542	3.0	64	3.6	2 244	2.7	31 988	6.2
Henderson	224	1.3	63 868	.5	6 300 718	.5	8	4.6	350	6.6	7 761	5.3
Henry	101	2.8	4 107	1.9	288 780	2.1	53	3.5	2 241	1.7	21 931	1.6
Hickman	107	1.6	33 737	.4	4 036 821	.4	6	11.2	236	5.0	4 144	6.5
Hopkins	123	2.1	24 704	1.1	2 113 252	1.2	3	13.8	100	10.4	1 175	13.8
Jackson	42	4.8	581	5.8	34 948	6.2	20	6.8	860	4.4	17 322	2.6
Jefferson	22	6.2	1 278	5.6	132 331	7.0	6	12.1	56	10.9	751	11.3
Jessamine	45	3.8	1 510	6.8	120 216	7.0	14	4.7	333	5.9	4 471	6.2
Johnson	24	5.6	192	7.8	14 045	7.7	2	17.2	(D)	(D)	(D)	(D)
Kenton	27	4.4	243	3.7	19 745	2.7	12	6.0	158	5.6	1 752	4.2
Knott	7	12.1	43	13.9	5 105	15.8	–	–	–	–	–	–
Knox	53	4.0	1 471	5.0	135 716	5.4	11	7.9	221	5.5	3 270	8.3
Larue	151	2.1	9 984	2.5	830 499	2.6	41	3.8	2 021	2.1	27 291	2.0
Laurel	88	3.0	1 136	3.6	91 226	3.8	30	5.2	744	5.5	8 529	5.5
Lawrence	27	5.2	211	8.0	16 636	8.7	1	30.9	(D)	(D)	(D)	(D)
Lee	25	6.5	235	9.8	21 467	10.3	–	–	–	–	–	–
Leslie	–	–	–	–	–	–	–	–	–	–	–	–
Letcher	3	15.7	44	18.2	3 000	18.9	–	–	–	–	–	–
Lewis	109	2.6	1 917	2.7	158 840	2.8	16	6.2	327	4.6	4 621	5.5
Lincoln	165	2.3	7 021	2.3	742 855	2.3	96	2.8	2 924	2.2	46 430	2.1
Livingston	43	3.9	4 553	3.1	374 397	3.0	4	8.4	334	7.0	5 340	4.8
Logan	292	1.5	48 238	.7	5 840 570	.7	45	3.0	2 121	2.0	32 468	1.9
Lyon	43	3.6	4 989	2.0	501 282	1.9	2	21.8	(D)	(D)	(D)	(D)
McCracken	86	2.6	13 928	1.3	1 310 161	1.3	4	12.2	199	1.0	3 322	1.1
McCreary	2	17.2	(D)	(D)	(D)	(D)	1	40.0	(D)	(D)	(D)	(D)
McLean	188	1.6	43 109	.8	4 345 451	.9	4	13.1	136	16.7	3 059	23.6
Madison	118	2.6	2 521	2.8	174 264	3.8	41	4.0	1 237	2.6	14 502	2.2
Magoffin	61	4.5	445	6.3	28 486	7.1	7	12.0	65	12.3	623	12.7
Marion	146	2.2	5 625	1.9	526 121	2.0	98	2.4	3 673	1.8	48 761	1.9
Marshall	74	3.4	6 604	2.8	647 926	2.7	1	–	(D)	(D)	(D)	(D)
Martin	2	–	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Mason	156	2.1	4 346	1.9	276 285	1.8	91	2.7	3 884	2.8	42 556	3.6
Meade	129	2.4	9 738	2.9	788 311	3.0	14	6.7	424	3.6	6 297	3.5
Menifee	19	7.2	83	9.4	3 884	10.9	6	13.1	105	16.0	1 453	16.8
Mercer	49	3.4	2 030	2.1	191 671	2.0	55	2.9	2 038	2.0	20 399	2.5
Metcalfe	112	3.0	2 628	4.4	167 401	5.2	37	3.8	1 365	2.8	19 460	2.7
Monroe	75	3.3	2 776	2.2	218 607	2.3	61	3.1	2 834	2.5	42 477	2.6
Montgomery	72	3.2	1 310	3.6	118 034	4.0	31	5.1	753	4.5	9 188	3.8
Morgan	69	3.9	670	5.1	35 293	5.7	12	7.0	352	5.8	5 760	11.8
Muhlenberg	128	2.3	12 562	1.6	893 757	1.5	11	7.5	216	8.7	2 096	8.8
Nelson	145	2.4	7 666	2.3	595 776	1.7	84	2.6	4 206	1.8	50 717	2.0
Nicholas	44	4.1	655	4.9	38 430	4.8	17	6.2	381	6.0	4 715	6.6
Ohio	153	2.2	17 014	1.3	1 554 197	1.4	14	7.1	344	7.3	3 846	9.2
Oldham	39	3.2	4 871	1.8	451 513	1.6	20	4.6	711	2.4	7 988	2.8
Owen	34	4.9	431	3.4	33 809	3.0	12	6.4	233	4.4	2 735	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	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)
Owsley	27	6.1	225	9.5	18 965	12.9	2	26.5	(D)	(D)	(D)	(D)
Pendleton	27	4.2	1 021	2.0	93 100	1.6	11	9.0	242	8.8	1 643	11.1
Perry	6	7.9	88	3.2	7 810	2.4	1	–	(D)	(D)	(D)	(D)
Pike	10	9.0	300	12.0	19 384	11.2	–	–	–	–	–	–
Powell	15	7.8	184	12.2	12 300	12.8	4	16.8	38	18.9	580	19.2
Pulaski	148	2.3	4 872	2.6	489 232	2.5	100	2.6	3 352	2.1	55 699	2.0
Robertson	17	7.1	209	5.5	16 155	2.4	6	13.3	81	16.5	868	16.0
Rockcastle	56	3.8	815	4.0	73 234	4.9	21	6.0	637	6.3	10 287	5.3
Rowan	30	6.1	377	7.9	27 755	9.5	9	9.7	283	11.1	3 975	15.0
Russell	101	2.9	3 668	2.8	351 866	2.9	69	3.1	2 048	2.7	28 825	2.9
Scott	70	2.9	3 420	1.5	289 212	1.6	26	3.5	787	2.3	11 736	5.7
Shelby	161	1.9	10 589	1.2	693 011	1.3	108	2.2	4 993	1.6	55 736	2.0
Simpson	176	1.9	28 387	.9	3 005 092	.9	10	7.0	578	3.0	9 833	2.0
Spencer	55	3.4	4 219	1.9	307 822	2.0	30	4.3	1 258	2.6	12 846	1.9
Taylor	154	2.4	5 928	2.4	540 859	2.3	66	3.6	2 029	2.8	29 366	2.9
Todd	252	1.4	44 736	.7	5 661 787	.6	62	2.4	2 603	1.2	45 674	1.2
Trigg	90	2.7	18 248	.7	2 177 358	.6	7	11.2	155	11.5	2 240	14.0
Trimble	50	4.3	1 115	3.3	89 993	3.2	9	11.9	116	15.4	1 309	15.3
Union	194	1.5	81 565	.5	9 534 819	.5	18	4.8	549	7.2	8 390	5.8
Warren	210	2.0	21 216	1.1	2 242 813	1.0	64	3.0	2 181	2.3	36 515	2.4
Washington	68	3.6	2 060	4.2	141 666	5.5	62	3.1	2 364	2.1	22 758	2.4
Wayne	98	2.8	5 431	2.7	547 343	2.7	30	4.8	725	4.8	10 042	4.0
Webster	174	1.6	38 444	.8	3 905 302	.9	1	28.9	(D)	(D)	(D)	(D)
Whitley	31	5.5	436	6.6	27 654	6.7	9	10.3	186	15.2	2 773	16.5
Wolfe	39	5.1	368	7.2	24 158	8.1	9	11.7	98	15.5	1 406	13.7
Woodford	49	3.7	2 534	1.9	175 606	2.1	24	5.0	611	4.7	7 042	3.1

Geographic area	Selected crops harvested—Con.											
	Wheat for grain						Tobacco					
	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)	Pounds	Relative standard error of estimate (percent)
Kentucky	**3 180**	**.7**	**408 771**	**.2**	**21 658 648**	**.2**	**44 967**	**.7**	**255 053**	**.7**	**505 257 589**	**.7**
Adair	12	8.8	354	8.8	14 830	10.4	840	1.0	2 921	1.7	5 560 665	1.8
Allen	17	8.2	445	5.6	23 065	4.8	494	1.3	1 937	1.6	3 501 103	1.7
Anderson	–	–	–	–	–	–	323	1.5	1 707	2.3	3 356 291	2.4
Ballard	82	2.2	13 594	.7	738 582	.6	213	1.6	1 621	1.7	3 287 415	1.8
Barren	57	3.6	3 166	2.7	126 260	2.6	1 223	1.1	6 262	1.3	12 128 691	1.4
Bath	8	11.2	113	14.1	4 445	16.2	611	1.0	4 585	1.4	8 382 315	1.3
Bell	–	–	–	–	–	–	–	–	–	–	–	–
Boone	12	6.8	305	6.2	10 625	7.1	392	1.1	2 000	1.8	4 198 228	1.8
Bourbon	51	3.4	2 666	2.3	125 879	2.3	587	1.1	7 420	1.2	14 702 378	1.0
Boyd	–	–	–	–	–	–	19	6.5	52	7.7	58 353	7.5
Boyle	1	44.4	(D)	(D)	(D)	(D)	395	1.1	2 712	1.2	5 311 134	1.2
Bracken	10	10.8	59	10.2	2 841	10.0	488	.9	3 954	1.3	8 492 533	1.3
Breathitt	–	–	–	–	–	–	151	1.5	461	2.8	635 027	2.8
Breckinridge	49	3.5	2 893	3.1	118 696	2.7	900	.9	4 079	1.2	8 124 415	1.2
Bullitt	8	9.3	452	3.3	18 107	2.1	172	1.9	648	3.5	1 208 573	3.9
Butler	9	7.0	699	3.0	20 910	3.4	156	2.4	467	3.0	932 120	3.5
Caldwell	32	4.5	5 657	.9	345 828	.6	154	2.3	962	2.3	2 064 274	2.4
Calloway	115	1.9	23 360	.6	1 151 375	.5	287	1.4	2 031	1.3	5 352 926	1.3
Campbell	9	6.7	62	5.6	2 030	3.4	155	1.7	457	3.6	1 020 416	4.0
Carlisle	47	2.6	9 138	.9	420 474	.8	81	2.5	419	2.3	1 021 281	2.3
Carroll	–	–	–	–	–	–	234	1.2	2 018	1.8	3 977 397	1.7
Carter	1	–	(D)	(D)	(D)	(D)	564	1.0	1 963	1.6	3 433 190	1.7
Casey	14	7.0	346	5.1	11 580	1.1	909	.9	3 972	1.5	7 463 931	1.5
Christian	182	1.7	45 450	.5	2 633 586	.4	496	1.2	4 441	1.0	9 591 207	1.0
Clark	8	5.5	286	2.7	10 056	2.4	461	1.2	4 311	1.0	8 712 734	1.0
Clay	–	–	–	–	–	–	318	1.1	1 510	1.8	2 454 026	1.6
Clinton	6	13.6	68	17.3	3 015	15.3	434	1.3	1 329	2.3	2 502 911	2.7
Crittenden	15	4.1	952	2.2	43 724	1.9	2	18.4	(D)	(D)	(D)	(D)
Cumberland	2	20.8	(D)	(D)	(D)	(D)	369	1.4	1 383	2.1	2 405 747	2.3
Daviess	129	1.5	17 414	.5	900 451	.5	596	.9	3 763	.9	8 164 506	.9
Edmonson	3	10.2	210	4.4	6 800	5.4	316	1.5	1 110	2.0	1 840 333	2.2
Elliott	–	–	–	–	–	–	347	.9	1 207	1.9	2 021 407	2.0
Estill	2	–	(D)	(D)	(D)	(D)	257	1.4	898	2.2	1 525 686	2.4
Fayette	23	4.4	762	12.5	27 297	10.6	340	1.3	4 863	1.3	10 550 399	1.2
Fleming	19	6.8	253	5.9	10 255	6.1	825	1.1	5 251	1.5	9 508 582	1.5
Floyd	–	–	–	–	–	–	4	12.7	2	16.7	2 964	17.3
Franklin	12	8.9	367	13.0	11 122	12.5	418	1.1	2 962	1.6	6 072 255	1.8
Fulton	71	2.0	16 497	.8	851 489	.7	3	18.2	8	10.5	15 536	9.8
Gallatin	3	–	190	–	8 800	–	176	1.5	1 214	1.7	2 579 012	1.7
Garrard	10	8.4	136	10.9	6 117	14.2	610	1.1	4 304	1.4	8 568 958	1.5
Grant	5	11.2	31	3.2	1 259	4.3	559	1.1	3 092	1.6	6 842 484	1.6
Graves	132	1.8	20 910	.6	996 169	.5	409	1.5	2 619	1.7	6 406 810	1.7
Grayson	20	4.9	729	5.3	26 904	4.1	739	1.0	2 325	1.4	4 292 403	1.4
Green	12	9.0	261	11.2	9 300	11.3	791	1.0	3 644	1.3	6 726 788	1.3

See footnotes at end of table.

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

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

Geographic area	Selected crops harvested—Con.											
	Wheat for grain						Tobacco					
	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)	Pounds	Relative standard error of estimate (percent)
Greenup	3	15.1	(D)	(D)	(D)	(D)	426	1.1	1 468	2.0	2 579 334	2.3
Hancock	21	4.5	2 450	1.9	124 594	1.6	284	1.3	1 271	1.9	2 536 747	2.0
Hardin	83	2.6	7 283	1.7	323 350	1.4	774	1.0	2 568	1.4	5 243 887	1.4
Harlan	–	–	–	–	–	–	2	19.3	(D)	(D)	(D)	(D)
Harrison	32	4.4	895	5.1	31 503	5.1	694	.8	5 841	1.1	11 727 424	1.1
Hart	11	9.1	273	14.2	9 880	14.0	956	1.0	5 476	1.4	10 426 447	1.4
Henderson	78	2.0	13 887	.7	683 004	.7	96	2.6	426	2.6	847 303	2.6
Henry	26	5.7	585	1.5	20 078	2.0	695	1.0	5 802	1.2	12 494 970	1.2
Hickman	80	1.8	22 536	.4	1 201 416	.3	27	4.4	114	6.4	257 017	5.7
Hopkins	29	3.9	3 812	2.4	163 410	1.9	63	3.4	190	3.5	409 633	3.4
Jackson	2	17.2	(D)	(D)	(D)	(D)	529	1.0	1 881	2.0	3 096 226	2.1
Jefferson	4	13.1	183	14.2	7 838	13.1	80	3.3	339	4.3	525 380	4.7
Jessamine	7	10.1	175	13.7	6 919	14.6	462	1.0	4 004	1.3	8 175 126	1.3
Johnson	–	–	–	–	–	–	93	2.4	319	4.0	423 301	3.9
Kenton	2	18.0	(D)	(D)	(D)	(D)	233	1.3	842	4.3	1 597 333	3.5
Knott	–	–	–	–	–	–	–	–	–	–	–	–
Knox	1	–	(D)	(D)	(D)	(D)	139	2.2	499	3.4	865 917	4.4
Larue	27	5.0	2 070	3.3	98 792	3.8	421	1.1	1 617	1.5	3 438 113	1.6
Laurel	1	–	(D)	(D)	(D)	(D)	702	.9	2 332	1.4	4 222 161	1.5
Lawrence	1	–	(D)	(D)	(D)	(D)	158	1.6	488	2.6	764 668	2.7
Lee	1	40.6	(D)	(D)	(D)	(D)	105	2.1	394	5.2	545 300	5.0
Leslie	–	–	–	–	–	–	10	8.3	28	13.3	52 441	17.2
Letcher	–	–	–	–	–	–	1	37.3	(D)	(D)	(D)	(D)
Lewis	6	12.9	64	13.9	1 700	13.4	621	.8	3 188	1.3	5 874 896	1.3
Lincoln	21	5.7	515	5.3	22 410	5.2	843	.9	4 007	1.3	8 175 005	1.4
Livingston	13	4.8	1 466	1.0	55 840	.9	1	46.6	(D)	(D)	(D)	(D)
Logan	211	1.6	39 091	.7	2 368 585	.6	447	1.4	3 100	1.3	6 615 533	1.3
Lyon	9	7.9	815	2.3	38 916	2.7	68	2.9	454	2.4	966 896	2.4
McCracken	47	3.2	5 317	1.6	239 370	1.8	103	2.6	497	3.0	950 673	2.8
McCreary	–	–	–	–	–	–	17	7.6	43	12.9	52 638	15.9
McLean	78	2.4	8 361	.9	401 329	.9	197	1.7	941	2.6	1 833 382	2.6
Madison	5	11.5	92	3.4	3 482	4.9	956	.9	6 251	1.1	11 710 083	1.2
Magoffin	–	–	–	–	–	–	286	1.4	916	2.3	1 397 672	2.4
Marion	26	4.6	1 313	3.7	54 725	3.0	658	1.0	3 239	1.1	6 811 575	1.1
Marshall	27	5.6	3 963	1.9	167 677	1.8	64	3.8	230	5.7	478 165	6.0
Martin	–	–	–	–	–	–	–	–	–	–	–	–
Mason	45	4.1	988	5.5	38 572	5.8	614	1.0	5 833	1.2	11 357 907	1.2
Meade	51	3.6	5 291	2.3	261 632	2.3	350	1.3	895	2.0	1 896 987	2.0
Menifee	–	–	–	–	–	–	256	1.3	918	1.8	1 626 149	2.0
Mercer	9	7.7	448	6.5	16 610	9.5	522	1.0	4 177	1.1	7 780 377	1.2
Metcalfe	18	6.7	588	4.7	25 122	4.9	691	1.0	3 171	1.4	5 771 685	1.4
Monroe	11	3.1	397	1.6	18 540	1.4	551	1.2	2 224	1.7	4 230 548	1.7
Montgomery	9	5.7	263	4.0	14 266	3.0	541	1.1	4 146	1.6	7 996 895	1.5
Morgan	1	30.7	(D)	(D)	(D)	(D)	576	.9	2 500	1.5	4 226 723	1.5
Muhlenberg	23	5.5	1 410	3.1	52 512	3.4	156	2.1	921	2.8	1 839 080	3.0
Nelson	57	3.8	2 427	3.9	89 490	3.0	584	1.1	2 624	1.5	5 237 627	1.5
Nicholas	12	7.5	199	4.5	7 712	3.5	394	1.1	3 634	1.6	6 582 911	1.6
Ohio	9	7.6	667	5.5	27 892	5.4	457	1.2	1 207	1.6	2 028 870	1.7
Oldham	23	4.1	1 569	2.2	64 806	2.2	117	2.1	652	3.0	1 309 380	3.1
Owen	8	9.7	99	21.3	2 782	18.0	532	1.0	4 460	1.3	9 787 795	1.2
Owsley	–	–	–	–	–	–	215	1.1	927	2.4	1 497 846	2.3
Pendleton	2	22.5	(D)	(D)	(D)	(D)	435	1.1	2 739	1.5	5 769 718	1.6
Perry	–	–	–	–	–	–	7	9.7	28	4.3	53 163	3.2
Pike	–	–	–	–	–	–	–	–	–	–	–	–
Powell	–	–	–	–	–	–	161	1.5	556	3.4	923 579	3.6
Pulaski	24	4.7	948	3.4	41 141	2.8	1 067	.8	3 921	1.3	7 584 812	1.4
Robertson	2	14.9	(D)	(D)	(D)	(D)	214	1.1	1 577	1.8	2 843 206	1.8
Rockcastle	3	15.3	(D)	(D)	(D)	(D)	502	1.0	1 793	1.8	3 253 930	2.0
Rowan	–	–	–	–	–	–	295	1.2	996	2.2	1 721 852	2.3
Russell	15	7.7	532	2.7	22 911	2.2	577	1.0	2 145	1.7	4 102 098	1.7
Scott	15	5.2	565	1.3	18 831	1.2	488	1.0	6 031	1.0	13 758 300	.9
Shelby	84	2.8	4 756	1.6	188 447	1.8	864	.9	6 258	1.1	13 267 703	1.1
Simpson	154	2.0	24 190	1.0	1 412 592	1.0	221	1.8	1 154	1.8	2 467 403	1.7
Spencer	14	5.8	587	4.0	22 881	4.5	376	1.1	2 695	1.5	5 430 262	1.6
Taylor	32	5.2	1 203	3.9	52 251	4.1	595	1.1	2 609	1.7	5 158 615	1.7
Todd	179	1.6	32 819	.6	1 956 130	.6	312	1.4	2 587	1.3	5 612 707	1.4
Trigg	38	3.2	9 763	.8	574 860	.8	194	1.8	1 660	1.4	3 429 649	1.4
Trimble	22	6.5	476	4.2	16 982	4.4	373	1.1	2 215	1.8	4 534 602	1.8
Union	81	2.0	13 324	1.2	730 295	1.0	6	12.4	7	14.6	11 126	12.6
Warren	100	2.6	14 071	1.0	907 036	.8	707	1.3	2 872	1.7	5 545 079	1.7
Washington	17	6.2	594	2.3	25 747	1.5	653	1.0	3 856	1.2	7 583 706	1.2
Wayne	19	5.3	578	3.4	22 717	2.7	472	1.1	1 656	1.5	3 422 959	1.6
Webster	47	3.0	5 180	1.1	259 455	1.0	88	2.7	387	2.6	745 532	2.5
Whitley	1	36.6	(D)	(D)	(D)	(D)	79	3.1	326	6.7	535 306	7.2
Wolfe	–	–	–	–	–	–	305	1.3	1 217	2.2	1 880 166	2.4
Woodford	15	5.4	749	4.2	30 373	2.9	391	1.2	5 817	1.1	12 328 332	1.0

See footnotes at end of table.

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

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

Geographic area	Selected crops harvested—Con.											
	Soybeans for beans						Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Kentucky	**6 644**	**.7**	**1 214 938**	**.3**	**41 294 246**	**.3**	**46 388**	**.6**	**2 009 061**	**.7**	**4 138 965**	**.7**
Adair	9	8.0	793	4.5	24 752	3.0	878	1.0	35 313	1.5	78 592	1.5
Allen	14	7.2	1 282	4.0	38 105	3.9	713	1.0	32 712	1.5	67 055	1.6
Anderson	9	10.6	324	16.9	8 845	12.7	431	1.2	17 112	1.8	31 845	1.9
Ballard	158	1.8	38 726	1.0	1 213 138	.9	163	1.9	9 303	2.3	21 845	2.4
Barren	55	3.2	6 122	1.9	205 182	1.5	1 303	1.0	61 059	1.3	132 222	1.3
Bath	16	6.7	1 463	4.1	71 178	3.5	449	1.3	21 482	1.9	45 902	1.9
Bell	–	–	–	–	–	–	33	3.6	508	8.6	842	6.4
Boone	20	5.5	1 765	3.8	67 106	3.9	423	1.0	16 791	1.6	29 453	1.7
Bourbon	98	2.7	6 712	2.2	192 728	2.2	495	1.2	37 840	1.3	74 504	1.4
Boyd	1	47.1	(D)	(D)	(D)	(D)	111	1.9	2 516	2.9	4 728	3.1
Boyle	6	10.0	643	6.3	12 560	7.4	428	1.0	23 598	1.3	51 220	1.2
Bracken	8	9.2	333	13.0	8 820	13.3	453	1.0	16 238	1.8	32 534	2.0
Breathitt	–	–	–	–	–	–	55	3.9	760	6.8	1 400	9.7
Breckinridge	140	2.3	13 894	1.4	417 918	1.3	762	1.0	34 227	1.2	79 609	1.3
Bullitt	43	4.0	3 781	3.7	115 832	3.1	306	1.2	10 183	2.2	19 607	2.0
Butler	110	2.6	14 344	1.9	455 659	1.8	392	1.3	16 109	1.5	31 645	1.7
Caldwell	97	2.9	20 247	1.4	706 277	1.5	281	1.6	14 815	2.1	30 157	2.7
Calloway	199	1.6	41 905	.7	1 469 745	.7	259	1.5	9 598	2.1	22 068	2.2
Campbell	5	7.9	192	4.9	9 720	4.5	365	.8	9 687	1.5	18 192	1.7
Carlisle	120	1.8	31 445	.8	1 050 078	.8	99	2.2	4 619	2.9	11 514	3.1
Carroll	9	11.1	590	8.4	20 115	5.5	191	1.6	8 756	2.3	18 439	2.9
Carter	1	29.5	(D)	(D)	(D)	(D)	386	1.4	10 474	2.2	18 562	2.4
Casey	15	7.6	1 268	3.9	49 831	5.5	832	1.0	32 789	1.4	72 843	1.6
Christian	250	1.6	61 655	.5	2 054 896	.5	572	1.1	31 455	1.7	62 155	1.6
Clark	15	4.9	1 189	2.3	35 615	2.3	516	1.1	30 587	1.4	60 973	1.5
Clay	–	–	–	–	–	–	135	2.4	3 114	2.9	5 396	4.0
Clinton	6	13.0	113	14.8	4 110	14.1	393	1.4	14 895	2.1	31 202	2.3
Crittenden	66	2.9	10 719	2.4	337 700	2.3	348	1.0	20 673	1.4	37 815	1.6
Cumberland	9	12.3	580	9.2	19 806	8.7	280	1.8	11 363	2.2	24 831	2.8
Daviess	371	1.2	82 639	.5	2 982 645	.5	432	1.2	15 551	1.5	30 925	1.6
Edmonson	29	4.8	3 162	4.7	106 320	4.5	426	1.2	17 034	1.6	36 511	2.0
Elliott	–	–	–	–	–	–	179	1.8	4 320	2.7	7 719	3.4
Estill	8	9.9	427	14.2	9 976	14.6	240	1.5	6 976	2.9	13 380	3.0
Fayette	32	4.1	2 283	2.5	68 755	3.0	291	1.5	19 323	1.8	39 311	1.8
Fleming	38	5.0	2 835	3.4	87 653	3.2	756	1.1	38 106	1.4	87 693	1.6
Floyd	–	–	–	–	–	–	33	3.7	444	5.7	652	10.6
Franklin	18	7.7	1 285	6.4	30 274	6.5	378	1.2	16 053	2.2	28 054	2.3
Fulton	94	1.6	50 795	.7	1 813 955	.6	25	5.2	949	6.9	2 345	5.4
Gallatin	13	6.6	1 779	2.5	66 278	2.6	131	2.1	5 244	4.6	8 530	3.2
Garrard	2	16.8	(D)	(D)	(D)	(D)	567	1.1	24 965	1.6	60 606	1.8
Grant	2	15.1	(D)	(D)	(D)	(D)	602	1.0	20 387	1.7	37 741	1.9
Graves	386	1.4	62 380	.8	2 101 112	.7	422	1.3	12 336	1.7	25 773	1.8
Grayson	78	3.2	7 624	2.3	240 366	2.5	828	.9	35 520	1.3	73 469	1.3
Green	33	5.2	1 548	7.6	57 124	7.7	680	1.1	31 667	1.6	70 555	1.7
Greenup	10	9.3	768	5.7	27 678	4.5	380	1.2	10 498	2.0	22 328	2.4
Hancock	48	3.5	9 493	1.9	315 847	1.8	225	1.6	6 587	1.8	15 868	2.4
Hardin	184	2.0	24 875	1.2	844 950	1.1	895	.9	36 827	1.2	80 724	1.4
Harlan	–	–	–	–	–	–	14	6.0	178	9.7	234	11.9
Harrison	36	4.1	2 206	4.6	61 043	4.4	725	.8	34 957	1.2	67 605	1.3
Hart	20	6.3	1 084	8.2	35 636	8.3	857	1.1	34 256	1.4	75 662	1.6
Henderson	238	1.2	70 643	.6	2 616 391	.5	207	1.6	8 814	2.0	18 836	1.7
Henry	30	5.5	2 158	3.3	64 639	3.7	609	1.1	32 352	1.4	62 969	1.4
Hickman	122	1.6	48 247	.4	1 696 016	.4	79	2.5	2 772	3.2	5 761	2.4
Hopkins	144	1.9	40 493	1.0	1 247 964	1.0	268	1.3	12 586	2.1	22 987	2.2
Jackson	1	34.4	(D)	(D)	(D)	(D)	333	1.5	9 808	2.5	17 338	2.5
Jefferson	17	7.3	915	9.8	28 800	10.0	228	1.7	7 234	2.7	12 341	3.1
Jessamine	12	8.5	546	12.4	13 521	10.3	373	1.2	18 542	2.0	32 859	2.1
Johnson	1	34.4	(D)	(D)	(D)	(D)	79	2.7	1 497	4.8	2 983	5.8
Kenton	3	15.2	(D)	(D)	(D)	(D)	295	1.0	8 325	1.7	14 833	2.0
Knott	–	–	–	–	–	–	4	15.9	(D)	(D)	(D)	(D)
Knox	1	–	(D)	(D)	(D)	(D)	168	2.0	6 592	3.1	11 623	3.1
Larue	100	2.7	15 764	2.3	566 993	2.1	510	1.0	22 810	1.4	52 238	1.4
Laurel	–	–	–	–	–	–	617	1.0	17 963	1.5	34 400	1.8
Lawrence	–	–	–	–	–	–	147	1.8	2 708	2.5	5 177	3.0
Lee	–	–	–	–	–	–	67	3.3	3 349	5.6	4 865	6.7
Leslie	–	–	–	–	–	–	2	21.7	(D)	(D)	(D)	(D)
Letcher	–	–	–	–	–	–	12	8.7	116	12.7	157	13.3
Lewis	21	6.3	1 506	5.1	43 310	5.4	429	1.1	15 079	1.8	31 355	2.0
Lincoln	51	4.0	3 033	4.0	128 281	3.4	797	1.0	33 291	1.3	78 899	1.5
Livingston	50	3.6	10 498	3.0	283 995	2.5	234	1.4	18 841	1.5	39 047	1.6
Logan	291	1.5	54 552	.9	1 758 376	1.0	659	1.1	33 578	1.4	71 207	1.6
Lyon	26	4.5	4 433	1.4	162 198	1.3	124	1.9	5 798	2.7	10 249	2.5
McCracken	119	2.2	22 307	1.9	679 176	1.5	155	2.0	4 169	3.0	8 868	3.4
McCreary	3	17.6	100	18.3	910	17.4	72	2.4	2 005	4.7	2 799	6.7
McLean	211	1.5	51 494	.9	1 746 763	.8	122	2.4	4 161	3.4	8 223	3.7
Madison	2	–	(D)	(D)	(D)	(D)	839	.9	38 998	1.3	73 559	1.4
Magoffin	–	–	–	–	–	–	110	3.1	1 613	4.6	2 900	4.9
Marion	89	2.8	7 315	2.6	274 810	2.6	677	1.0	31 600	1.2	70 917	1.4
Marshall	68	3.5	12 409	2.2	429 888	2.0	307	1.4	11 483	2.4	22 555	2.7

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	Selected crops harvested—Con.											
	Soybeans for beans						Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Martin	–	–	–	–	–	–	6	8.3	320	15.6	476	18.9
Mason	16	6.1	761	3.6	20 141	3.7	503	1.2	30 922	1.5	65 522	1.6
Meade	102	2.7	11 613	2.5	365 219	2.4	478	1.1	21 863	1.4	45 255	1.6
Menifee	–	–	–	–	–	–	167	2.0	4 583	2.7	7 948	3.0
Mercer	18	5.3	1 162	3.4	32 742	3.1	591	.9	29 201	1.2	58 250	1.3
Metcalfe	22	7.1	751	9.2	25 751	8.5	575	1.1	23 746	1.5	52 122	1.7
Monroe	6	6.8	242	2.0	11 050	.9	625	1.1	33 927	1.5	80 512	1.6
Montgomery	12	7.6	556	7.4	14 747	5.8	451	1.2	22 969	1.6	41 944	1.8
Morgan	–	–	–	–	–	–	283	1.7	9 046	3.0	19 112	3.4
Muhlenberg	106	2.5	16 535	1.3	461 874	1.2	318	1.3	14 134	1.9	25 655	2.2
Nelson	144	2.3	13 471	3.5	435 260	3.4	830	.9	37 677	1.3	79 801	1.3
Nicholas	4	10.8	63	15.2	2 164	12.6	334	1.3	17 606	1.9	35 966	1.9
Ohio	136	2.3	23 970	1.4	765 301	1.3	480	1.2	17 775	1.8	33 035	1.8
Oldham	25	4.1	4 327	2.2	129 818	2.1	201	1.4	12 407	1.6	23 050	1.8
Owen	4	16.9	131	22.0	4 867	20.7	555	1.0	26 516	1.4	47 250	1.6
Owsley	–	–	–	–	–	–	67	3.5	1 842	6.3	2 030	10.3
Pendleton	13	8.1	1 552	11.6	45 305	11.7	607	.8	21 273	1.5	43 873	1.6
Perry	–	–	–	–	–	–	15	5.7	413	4.5	466	4.7
Pike	–	–	–	–	–	–	24	4.3	355	6.2	653	6.8
Powell	8	11.1	887	5.8	25 936	3.8	81	2.8	2 699	4.7	4 569	6.2
Pulaski	49	3.9	3 860	4.3	136 460	3.2	1 322	.7	50 864	1.1	112 275	1.2
Robertson	–	–	–	–	–	–	169	1.5	7 374	2.7	12 072	3.1
Rockcastle	7	10.5	308	10.2	10 972	11.0	471	1.1	14 045	1.8	30 888	2.1
Rowan	2	17.7	(D)	(D)	(D)	(D)	195	1.8	5 805	2.7	10 642	3.4
Russell	27	5.3	2 760	4.1	100 357	4.6	537	1.1	20 087	1.5	47 692	1.8
Scott	21	4.2	1 231	1.3	42 121	1.2	467	1.0	28 050	1.4	50 637	1.8
Shelby	128	2.3	15 012	1.5	381 858	1.7	843	.9	41 199	1.1	79 382	1.2
Simpson	179	1.8	32 508	1.0	1 064 952	1.0	305	1.4	12 552	1.7	24 097	2.0
Spencer	41	3.7	5 559	7.0	148 830	5.5	355	1.2	17 274	1.8	35 512	1.9
Taylor	81	3.2	5 692	2.9	214 490	2.9	588	1.1	23 121	1.6	58 996	1.9
Todd	221	1.4	44 385	.6	1 505 990	.6	297	1.4	15 095	1.9	31 956	2.1
Trigg	67	2.9	15 441	.8	530 366	.7	234	1.5	16 941	1.8	35 359	2.0
Trimble	38	4.9	3 721	3.0	110 002	3.0	343	1.2	8 596	2.0	16 134	2.5
Union	191	1.4	72 742	.4	3 064 954	.5	170	1.7	10 203	1.9	21 044	2.4
Warren	178	2.2	22 679	1.5	755 741	1.4	1 060	1.0	48 220	1.3	104 756	1.4
Washington	41	4.6	1 936	5.1	60 025	5.7	716	.9	37 528	1.4	70 137	1.4
Wayne	77	3.3	5 514	3.1	177 263	2.9	524	1.0	17 241	1.6	38 966	1.7
Webster	176	1.6	41 148	.8	1 385 453	.9	200	1.6	9 025	2.0	17 727	2.2
Whitley	–	–	–	–	–	–	257	1.3	8 012	2.7	12 462	2.9
Wolfe	–	–	–	–	–	–	144	2.4	3 798	3.5	6 417	3.9
Woodford	23	5.1	1 940	3.4	58 205	3.7	339	1.3	17 841	1.4	31 473	1.6

[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	82 273	8 905	91 178	1.8	9.8
Land in farms ..... acres	13 334 234	617 570	13 951 804	1.2	4.4
Average size of farm ..... acres	162	69	153	(X)	(X)
Farms by size of farm:					
Less than 10 acres	7 114	1 484	8 598	6.1	17.3
10 to 49 acres	20 754	3 275	24 029	4.1	13.6
50 to 179 acres	33 992	3 298	37 290	2.8	8.8
180 acres or more	20 413	848	21 261	1.7	4.0
Farms by value of sales:					
Less than $2,500	19 143	5 902	25 045	4.5	23.6
$2,500 to $9,999	26 959	1 446	28 405	3.3	5.1
$10,000 or more	36 171	1 557	37 728	1.7	4.1
Market value of agricultural products sold $1,000	3 064 460	55 298	3 119 757	.8	1.8
Farms by type of organization:					
Individual or family	71 307	8 678	79 985	1.9	10.8
Partnership, corporation, or other	10 966	227	11 193	5.1	2.0
Farms by tenure of operator:					
Full owners	58 840	6 482	65 322	2.3	9.9
Part owners	17 222	1 608	18 830	3.0	8.5
Tenants	6 211	815	7 026	5.3	11.6
Operators by place of residence:					
On farm operated	58 367	6 492	64 859	2.1	10.0
Not on farm operated	17 566	1 379	18 945	3.8	7.3
Not reported	6 340	1 034	7 374	5.5	14.0
Operators by principal occupation:					
Farming	33 841	2 849	36 690	2.3	7.8
Other	48 432	6 056	54 488	2.6	11.1
Operators by sex:					
Male	74 862	7 449	82 311	1.8	9.0
Female	7 411	1 456	8 867	6.1	16.4
Operators by race:					
White	81 567	8 685	90 252	1.8	9.6
Black and other races	706	220	926	24.0	23.8
Operators by years on present farm:					
4 years or less	9 907	2 215	12 122	5.2	18.3
5 years or more	55 910	6 017	61 927	1.8	9.7
Not reported	16 456	673	17 129	5.7	3.9

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