Appendix C.
Statistical Methodology

MAIL LIST MODEL

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

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

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

CENSUS SAMPLE DESIGN

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

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

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

CENSUS ESTIMATION

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

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

Whole Farm Nonresponse Estimation

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

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

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

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

Table A quantifies the effect of the nonresponse estimation procedure on selected census data items. The percentages in these tables are the percents of the census values contributed by nonresponse estimation. These indicate the potential for bias in published figures resulting from nonresponse to the census. The estimates provided

in these tables do not reflect the effect of item nonresponse to individual census data items. The effect of item nonresponse is discussed in the Census Nonsampling Error section.

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

Item	Percent of total
Farms _____number_ _	11.3
Land in farms_____acres_ _	7.7
Estimated market value of land and buildings[1]_____$1,000_ _	4.7
Market value of agricultural products sold _$1,000_ _	4.5
Harvested cropland _____acres_ _	6.0
Corn for grain or seed _____acres_ _	4.6
Wheat for grain _____acres_ _	5.1
Livestock and poultry inventory:	
Cattle and calves _____number_ _	7.9
Hogs and pigs _____number_ _	4.1
Hens and pullets of laying age_____number_ _	.5

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

Sample Estimation

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

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

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

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

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

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

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

CENSUS SAMPLING ERROR

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

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

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

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

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

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

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

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

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

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

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

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

Farms	Relative standard error of estimate (percent)
COMPLETE COUNT ITEM	
Number of farms reporting:	
25	5.9
50	4.2
75	3.4
100	2.9
150	2.3
200	2.0
300	1.5
500	1.1
750	.8
1,000	.5
1,500	.4
2,000	.4
SAMPLE COUNT ITEM	
Number of farms reporting:	
25	38.1
50	27.3
75	22.6
100	19.8
150	16.6
200	14.7
300	12.5
500	10.5
750	9.3
1,000	8.6
1,500	7.9
2,000	7.5

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

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

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

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

CENSUS NONSAMPLING ERROR

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

Census Coverage

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

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

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

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

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

Mail List Coverage

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

The 1992 Census of Agriculture Coverage Evaluation used the area segment sample of the 1992 June Agricultural Survey (JAS) of the National Agricultural Statistical Service (NASS) to estimate farms not on the census mail list. The Census Bureau contracted with NASS to augment the JAS data collection. The survey data collected by NASS will be protected under the confidentiality of title 13, U.S. Code. These JAS survey records were matched to the census mail list. Records that did not match were mailed a census of agriculture report form to estimate mail list

coverage. Estimates of farms not on the census mail list are computed using a capture-recapture dual frame estimator which will be described in the Coverage Evaluation report mentioned earlier.

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

Respondent and Enumerator Error

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

Item Nonresponse

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

Processing Error

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

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

Classification Error

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

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

EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Total	Relative standard error of estimate (percent)
FARMS AND LAND IN FARMS		
Farms _____number__	98 082	1.4
Land in farms _____acres__	28 546 875	1.3
Average size of farm _____acres __	291	1.9
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) _____farms __	98 082	1.4
$1,000__	4 303 148	.8
Average per farm _____dollars__	43 873	1.6
Farms by value of sales:		
Less than $1,000 (see text) _____farms __	9 652	1.1
$1,000__	2 794	1.1
$1,000 to $2,499 _____farms __	10 986	1.0
$1,000__	18 720	1.1
$2,500 to $4,999 _____farms __	13 881	1.2
$1,000__	50 439	1.2
$5,000 to $9,999 _____farms __	16 350	1.5
$1,000__	116 660	1.5
$10,000 to $19,999 _____farms __	14 793	1.9
$1,000__	208 770	1.9
$20,000 to $24,999 _____farms __	4 205	2.3
$1,000__	93 486	2.3
$25,000 to $39,999 _____farms __	7 199	2.3
$1,000__	226 504	2.3
$40,000 to $49,999 _____farms __	2 891	2.4
$1,000__	128 852	2.4
$50,000 to $99,999 _____farms __	7 525	2.2
$1,000__	534 088	2.2
$100,000 to $249,999 _____farms __	7 204	.9
$1,000__	1 117 960	.7
$250,000 to $499,999 _____farms __	2 369	–
$1,000__	809 864	–
$500,000 or more _____farms __	1 027	–
$1,000__	995 012	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops ____farms __	46 400	1.5
$1,000__	1 861 613	.8
Grains _____farms __	32 440	1.6
$1,000__	1 547 635	.9
Corn for grain _____farms __	17 357	1.6
$1,000__	511 731	.8
Wheat _____farms __	16 776	1.5
$1,000__	169 251	.9
Soybeans _____farms __	26 537	1.6
$1,000__	738 973	.9
Sorghum for grain _____farms __	5 786	1.7
$1,000__	84 585	1.1
Barley _____farms __	88	2.6
$1,000__	208	2.3
Oats _____farms __	791	1.9
$1,000__	1 376	2.2
Other grains _____farms __	679	1.4
$1,000__	41 513	.8
Cotton and cottonseed _____farms __	1 045	1.3
$1,000__	132 111	.4
Tobacco _____farms __	453	1.8
$1,000__	5 432	2.4
Hay, silage, and field seeds _____farms __	19 435	1.4
$1,000__	79 668	1.5
Vegetables, sweet corn, and melons _____farms __	953	1.5
$1,000__	13 644	.9
Fruits, nuts, and berries _____farms __	551	1.5
$1,000__	10 671	1.0
Nursery and greenhouse crops _____farms __	701	1.2
$1,000__	63 392	.3
Other crops _____farms __	143	2.3
$1,000__	9 060	.2
Livestock, poultry, and their products _____farms __	73 809	1.4
$1,000__	2 441 535	.8
Poultry and poultry products _____farms __	2 153	1.0
$1,000__	409 071	.1
Dairy products _____farms __	4 149	1.7
$1,000__	336 804	1.0
Cattle and calves _____farms __	67 044	1.4
$1,000__	1 171 170	1.1
Hogs and pigs _____farms __	12 133	1.5
$1,000__	495 000	.7
Sheep, lambs, and wool _____farms __	2 469	1.5
$1,000__	5 290	1.8
Other livestock and livestock products (see text) _____farms __	4 168	1.3
$1,000__	24 201	1.3
Value of agricultural products sold directly to individuals for human consumption (see text) _____farms __	2 655	1.3
$1,000__	7 346	1.3

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses _____farms __	98 082	1.4
$1,000__	3 395 093	.9
Average per farm _____dollars __	34 615	1.7
Livestock and poultry purchased _____farms __	33 768	1.7
$1,000__	469 893	1.1
Feed for livestock and poultry _____farms __	65 888	1.5
$1,000__	751 669	.9
Commercially mixed formula feeds _____farms __	25 074	1.8
$1,000__	420 827	.8
Seeds, bulbs, plants, and trees _____farms __	42 272	1.7
$1,000__	130 007	1.1
Commercial fertilizer _____farms __	63 374	1.6
$1,000__	301 298	1.2
Agricultural chemicals _____farms __	48 013	1.6
$1,000__	170 477	1.1
Petroleum products _____farms __	92 699	1.4
$1,000__	193 235	1.2
Electricity _____farms __	64 743	1.6
$1,000__	51 802	1.2
Hired farm labor _____farms __	26 290	1.7
$1,000__	190 051	.8
Contract labor _____farms __	9 246	2.6
$1,000__	20 629	3.3
Repair and maintenance _____farms __	79 860	1.5
$1,000__	241 745	1.2
Customwork, machine hire, and rental of machinery and equipment _____farms __	32 252	1.8
$1,000__	67 426	2.1
Interest expense _____farms __	45 875	1.7
$1,000__	288 478	1.3
Secured by real estate _____farms __	33 363	1.7
$1,000__	195 556	1.5
Not secured by real estate _____farms __	26 240	1.9
$1,000__	92 922	1.4
Cash rent _____farms __	18 723	2.0
$1,000__	119 876	1.5
Property taxes _____farms __	94 428	1.4
$1,000__	79 052	1.5
All other farm production expenses _____farms __	88 932	1.5
$1,000__	319 456	1.0
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT) [1]		
All farms _____number__	98 082	1.4
$1,000__	889 365	1.2
Average per farm _____dollars __	9 068	1.8
Farms with net gains [2] _____number__	54 330	1.6
$1,000__	1 125 818	1.1
Average net gain _____dollars __	20 722	1.9
Farms with net losses _____number__	43 752	1.5
$1,000__	236 453	2.0
Average net loss _____dollars __	5 404	2.5
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments _____farms __	26 437	1.7
$1,000__	179 086	1.4
Other farm-related income [1] _____farms __	21 708	2.0
$1,000__	83 861	2.7
Customwork and other agricultural services _____farms __	8 454	2.8
$1,000__	39 735	3.6
Gross cash rent or share payments _____farms __	7 502	3.0
$1,000__	32 791	4.1
Forest products and Christmas trees _____farms __	1 914	5.4
$1,000__	5 095	8.3
Other farm-related income sources _____farms __	7 604	2.7
$1,000__	6 240	7.1
COMMODITY CREDIT CORPORATION LOANS		
Total _____farms __	3 763	1.4
$1,000__	125 843	.6

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 1
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

[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	86 617	1.4
acres	19 228 832	1.3
Harvested cropland — farms	74 240	1.4
acres	12 158 832	1.1
Farms by acres harvested:		
1 to 9 acres — farms	4 941	1.1
acres	25 544	1.1
10 to 19 acres — farms	8 730	1.1
acres	117 717	1.1
20 to 29 acres — farms	7 966	1.3
acres	180 012	1.3
30 to 49 acres — farms	11 979	1.5
acres	442 924	1.5
50 to 99 acres — farms	14 353	1.8
acres	977 648	1.8
100 to 199 acres — farms	10 899	2.1
acres	1 474 493	2.1
200 to 499 acres — farms	9 146	2.0
acres	2 824 352	1.9
500 to 999 acres — farms	4 181	1.0
acres	2 887 358	.9
1,000 acres or more — farms	2 045	–
acres	3 228 784	–
Cropland:		
Pasture or grazing only — farms	52 093	1.4
acres	5 402 329	1.6
Other cropland — farms	24 144	1.5
acres	1 667 671	1.7
Total woodland — farms	53 119	1.4
acres	4 505 178	1.4
Pastureland and rangeland other than cropland and woodland pastured — farms	28 224	1.4
acres	3 731 021	1.3
Land in house lots, ponds, roads, wasteland, etc. — farms	56 940	1.4
acres	1 081 844	1.4
Irrigated land — farms	2 914	1.1
acres	708 864	.4
Acres irrigated:		
1 to 9 acres — farms	827	1.4
acres	2 023	1.7
10 to 49 acres — farms	386	2.0
acres	9 916	2.1
50 to 99 acres — farms	256	2.3
acres	18 137	2.3
100 to 199 acres — farms	439	2.0
acres	63 255	2.0
200 to 499 acres — farms	541	1.0
acres	168 893	.9
500 to 999 acres — farms	316	.3
acres	219 367	.2
1,000 acres or more — farms	149	–
acres	227 273	–
Harvested cropland irrigated — farms	2 825	1.1
acres	704 928	.4
Pasture and other land irrigated — farms	133	2.6
acres	3 936	3.5
Land under federal acreage reduction programs:		
Diverted under annual commodity programs — farms	12 974	1.5
acres	206 458	.9
Conservation Reserve or Wetlands Reserve Programs — farms	10 380	1.9
acres	1 038 935	2.2
VALUE OF LAND AND BUILDINGS [1]		
Estimated market value of land and buildings — farms	98 082	1.4
$1,000	22 069 969	1.3
Average per farm — dollars	225 015	1.9
Average per acre — dollars	774	1.9
VALUE OF MACHINERY AND EQUIPMENT [1]		
Estimated market value of all machinery and equipment — farms	97 833	1.4
$1,000	3 537 197	1.3
Average per farm — dollars	36 155	1.9
AGRICULTURAL CHEMICALS[1]		
Commercial fertilizer — farms	63 272	1.6
acres on which used	9 693 513	1.3

Item	Total	Relative standard error of estimate (percent)
TENURE OF OPERATOR		
All operators — farms	98 082	1.4
acres	28 546 875	1.3
Full owners — farms	63 421	1.3
acres	11 745 633	1.6
Part owners — farms	26 498	1.5
acres	14 365 319	1.1
Tenants — farms	8 163	1.8
acres	2 435 923	1.6
OWNED AND RENTED LAND		
Land owned — farms	90 165	1.4
acres	19 923 420	1.4
Owned land in farms — farms	89 919	1.4
acres	18 304 409	1.4
Land rented or leased from others — farms	34 836	1.5
acres	10 331 101	1.1
landlords	77 270	1.4
Rented or leased land in farms — farms	34 661	1.5
acres	10 242 466	1.1
Land rented or leased to others — farms	11 207	1.5
acres	1 707 646	1.7
OPERATOR CHARACTERISTICS		
Operators by place of residence:		
On farm operated	72 664	1.3
Not on farm operated	18 482	1.6
Not reported	6 936	1.4
Operators by principal occupation:		
Farming	49 248	1.5
Other	48 834	1.3
Operators by days worked off farm:		
Any	53 243	1.4
200 days or more	37 799	1.3
Operators by sex:		
Male — farms	90 965	1.4
acres	27 157 812	1.3
Female — farms	7 117	1.4
acres	1 389 063	1.7
Average age of operator — years	53.8	1.9
FARMS BY TYPE OF ORGANIZATION		
Individual or family (sole proprietorship) — farms	86 776	1.4
acres	22 718 187	1.4
Partnership — farms	8 537	1.8
acres	3 700 419	1.3
Corporation:		
Family held — farms	2 071	1.3
acres	1 826 683	.7
More than 10 stockholders — farms	60	3.3
10 or less stockholders — farms	2 011	1.3
Other than family held — farms	212	2.5
acres	125 949	1.9
More than 10 stockholders — farms	25	4.3
10 or less stockholders — farms	187	2.7
Other—cooperative, estate or trust, institutional, etc. — farms	486	2.0
acres	175 637	1.8
HIRED FARM LABOR		
Hired workers by days worked:		
150 days or more — farms	10 310	36.5
workers	17 164	23.7
Less than 150 days — farms	23 775	54.1
workers	56 692	45.7
INJURIES AND DEATHS		
Farm-related injuries:		
Operator and family members — farms	739	1.6
number	847	1.7
Hired workers — farms	295	1.1
number	429	1.1
Farm-related deaths:		
Operator and family members — farms	28	4.9
number	28	4.9
Hired workers — farms	1	–
number	(D)	(D)

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 2
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
FARMS BY SIZE			**LIVESTOCK**—Con.		
			Cattle and calves sold _____ farms __	67 044	1.4
			number__	2 349 975	1.2
1 to 9 acres _____ farms __	3 926	1.3	$1,000__	1 171 170	1.1
acres__	13 282	1.2	Hogs and pigs inventory _____ farms __	11 894	1.5
10 to 49 acres _____ farms __	16 211	1.0	number__	2 908 509	.8
acres__	474 347	1.1	Hogs and pigs sold _____ farms __	12 133	1.5
50 to 69 acres _____ farms __	5 462	1.2	number__	5 547 530	.8
acres__	319 396	1.2	$1,000__	495 000	.7
70 to 99 acres _____ farms __	10 224	1.3			
acres__	837 552	1.3	Sheep and lambs of all ages inventory _____ farms __	2 505	1.5
100 to 139 acres _____ farms __	10 397	1.4	number__	111 362	1.8
acres__	1 211 345	1.4	Sheep and lambs sold _____ farms __	2 372	1.6
			number__	97 975	1.8
140 to 179 acres _____ farms __	8 571	1.7			
acres__	1 347 711	1.7	Horses and ponies inventory _____ farms __	14 173	1.3
180 to 219 acres _____ farms __	6 249	1.8	number__	64 628	1.3
acres__	1 234 062	1.8	Horses and ponies sold _____ farms __	2 894	1.3
220 to 259 acres _____ farms __	5 209	1.9	number__	11 717	2.0
acres__	1 237 946	1.9			
260 to 499 acres _____ farms __	16 115	2.0	**POULTRY**		
acres__	5 754 221	2.0			
500 to 999 acres _____ farms __	10 292	1.7			
acres__	7 029 340	1.7	Chickens 3 months old or older inventory _____ farms __	4 544	1.3
			number__	8 343 409	.3
1,000 to 1,999 acres _____ farms __	4 289	.8	Hens and pullets of laying age _____ farms __	4 452	1.2
acres__	5 715 627	.8	number__	6 894 100	.2
2,000 acres or more _____ farms __	1 137	–	Broilers and other meat-type chickens sold _____ farms __	341	1.1
acres__	3 372 046	–	number__	82 990 149	.1
			CROPS HARVESTED		
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION					
			Corn for grain or seed _____ farms __	21 382	1.6
			acres__	2 445 489	.9
			bushels__	308 784 225	.8
Cash grains (011) _____ farms __	20 795	1.7	Corn for silage or green chop _____ farms __	2 387	1.3
acres__	10 276 605	1.2	acres__	81 543	1.0
Field crops, except cash grains (013) _____ farms __	7 275	1.3	tons, green__	1 114 626	1.0
acres__	1 523 187	1.3	Sorghum for grain or seed _____ farms __	6 998	1.6
Vegetables and melons (016) _____ farms __	317	2.1	acres__	586 559	1.2
acres__	26 984	2.2	bushels__	53 046 665	1.1
Fruits and tree nuts (017) _____ farms __	442	1.7	Wheat for grain _____ farms __	16 970	1.5
acres__	43 845	2.3	acres__	1 319 575	1.0
Horticultural specialties (018) _____ farms __	552	1.2	bushels__	58 143 633	1.0
acres__	39 103	1.8	Oats for grain _____ farms __	2 402	1.8
General farms, primarily crop (019) _____ farms __	2 115	1.2	acres__	46 262	1.8
acres__	403 748	1.6	bushels__	2 363 989	1.7
Livestock, except dairy, poultry, and animal			Rice _____ farms __	475	1.5
specialties (021) _____ farms __	58 818	1.4	acres__	102 679	.9
acres__	14 317 247	1.5	cwt__	5 023 699	.9
Dairy farms (024) _____ farms __	3 469	1.7	Cotton _____ farms __	1 045	1.3
acres__	1 184 079	1.1	acres__	313 226	.5
Poultry and eggs (025) _____ farms __	920	.7	bales__	500 430	.4
acres__	173 688	.5	Tobacco _____ farms __	454	1.8
Animal specialties (027) _____ farms __	2 202	1.3	acres__	1 846	2.2
acres__	204 422	1.6	pounds__	3 717 341	2.3
General farms, primarily livestock and animal			Soybeans for beans _____ farms __	26 600	1.6
specialties (029) _____ farms __	1 177	2.3	acres__	4 208 729	1.0
acres__	353 967	2.6	bushels__	150 385 224	1.0
			Irish potatoes _____ farms __	149	2.4
			acres__	6 636	.1
			cwt__	1 781 604	(L)
LIVESTOCK			Hay—alfalfa, other tame, small grain, wild, grass		
			silage, green chop, etc. (see text) _____ farms __	57 749	1.4
			acres__	3 470 298	1.5
Cattle and calves inventory _____ farms __	68 413	1.4	tons, dry__	6 109 410	1.5
number__	4 165 357	1.4	Alfalfa hay _____ farms __	18 889	1.5
Beef cows _____ farms __	58 024	1.4	acres__	749 327	1.6
number__	1 876 845	1.5	tons, dry__	1 674 912	1.5
Milk cows _____ farms __	5 626	1.6	Vegetables harvested for sale (see text) _____ farms __	954	1.5
number__	215 920	1.1	acres__	18 881	.9
			Land in orchards _____ farms __	886	1.5
			acres__	13 253	1.9

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

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TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
FARMS AND LAND IN FARMS			**FARM PRODUCTION EXPENSES[1]**		
Farms _____number__	47 213	1.8	Total farm production expenses _____farms __	47 252	1.8
Land in farms _____acres __	22 514 327	1.3	$1,000__	3 121 405	.9
Average size of farm _____acres __	477	2.2	Average per farm _____dollars __	66 059	2.0
			Livestock and poultry purchased _____farms __	20 417	2.0
			$1,000__	440 793	1.1
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			Feed for livestock and poultry _____farms __	34 709	1.8
			$1,000__	716 325	.9
			Commercially mixed formula feeds _____farms __	15 247	2.1
			$1,000__	412 989	.8
Total sales (see text) _____farms __	47 213	1.8			
$1,000__	4 114 535	.8	Seeds, bulbs, plants, and trees _____farms __	30 575	1.9
Average per farm _____dollars __	87 148	1.9	$1,000__	126 144	1.1
			Commercial fertilizer _____farms __	38 182	1.8
Farms by value of sales:			$1,000__	276 723	1.2
$10,000 to $19,999 _____farms __	14 793	1.9	Agricultural chemicals _____farms __	30 461	1.8
$1,000__	208 770	1.9	$1,000__	163 672	1.1
$20,000 to $24,999 _____farms __	4 205	2.3	Petroleum products _____farms __	46 603	1.8
$1,000__	93 486	2.3	$1,000__	170 030	1.2
$25,000 to $39,999 _____farms __	7 199	2.3	Electricity _____farms __	38 399	1.8
$1,000__	226 504	2.3	$1,000__	44 836	1.2
$40,000 to $49,999 _____farms __	2 891	2.4			
$1,000__	128 852	2.4	Hired farm labor _____farms __	18 502	1.8
			$1,000__	185 902	.8
$50,000 to $99,999 _____farms __	7 525	2.2	Contract labor _____farms __	6 321	2.9
$1,000__	534 088	2.2	$1,000__	18 612	3.6
$100,000 to $249,999 _____farms __	7 204	.9	Repair and maintenance _____farms __	43 274	1.8
$1,000__	1 117 960	.7	$1,000__	207 517	1.2
$250,000 to $499,999 _____farms __	2 369	–	Customwork, machine hire, and rental of machinery and equipment _____farms __	20 479	2.0
$1,000__	809 864	–	$1,000__	60 429	2.2
$500,000 or more _____farms __	1 027	–	Interest expense _____farms __	28 485	1.9
$1,000__	995 012	–	$1,000__	247 382	1.3
Sales by commodity or commodity group:			Secured by real estate _____farms __	20 204	2.0
Crops, including nursery and greenhouse crops _____farms __	30 443	1.7	$1,000__	160 257	1.5
$1,000__	1 815 512	.8	Not secured by real estate _____farms __	18 650	2.1
Grains _____farms __	25 266	1.7	$1,000__	87 125	1.4
$1,000__	1 521 865	.9			
Corn for grain _____farms __	15 065	1.7	Cash rent _____farms __	14 160	2.1
$1,000__	505 809	.8	$1,000__	115 491	1.5
Wheat _____farms __	14 465	1.6	Property taxes _____farms __	45 722	1.8
$1,000__	165 150	.9	$1,000__	57 562	1.6
Soybeans _____farms __	21 996	1.7	All other farm production expenses _____farms __	47 247	1.8
$1,000__	725 071	.9	$1,000__	289 988	1.0
Sorghum for grain _____farms __	5 097	1.7	**NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)** [1]		
$1,000__	82 988	1.1			
Barley _____farms __	71	2.6			
$1,000__	190	2.3			
Oats _____farms __	613	2.0			
$1,000__	1 214	2.4	All farms _____number __	47 252	1.8
Other grains _____farms __	657	1.3	$1,000__	973 592	1.1
$1,000__	41 443	.8	Average per farm _____dollars __	20 604	2.1
Cotton and cottonseed _____farms __	999	1.3	Farms with net gains [2] _____number __	35 874	1.8
$1,000__	131 937	.4	$1,000__	1 088 503	1.1
Tobacco _____farms __	315	2.1	Average net gain _____dollars __	30 342	2.1
$1,000__	4 963	2.6			
Hay, silage, and field seeds _____farms __	10 238	1.7	Farms with net losses _____number __	11 378	2.7
$1,000__	62 096	1.6	$1,000__	114 911	2.8
			Average net loss _____dollars __	10 099	3.8
Vegetables, sweet corn, and melons _____farms __	532	1.9			
$1,000__	12 859	.9	**GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME**		
Fruits, nuts, and berries _____farms __	220	2.0			
$1,000__	10 142	1.0			
Nursery and greenhouse crops _____farms __	444	1.3			
$1,000__	62 625	.3	Government payments _____farms __	19 325	1.7
Other crops _____farms __	88	2.8	$1,000__	151 847	1.1
$1,000__	9 025	.2	Other farm-related income [1] _____farms __	13 416	2.3
			$1,000__	64 232	2.9
Livestock, poultry, and their products _____farms __	37 555	1.8	Customwork and other agricultural services _____farms __	6 178	3.0
$1,000__	2 299 023	.8	$1,000__	34 277	3.9
Poultry and poultry products _____farms __	1 268	1.1	Gross cash rent or share payments _____farms __	3 192	4.2
$1,000__	408 718	.1	$1,000__	21 583	4.8
Dairy products _____farms __	3 999	1.8	Forest products and Christmas trees _____farms __	1 040	7.0
$1,000__	336 335	1.0	$1,000__	3 294	10.5
Cattle and calves _____farms __	34 487	1.8	Other farm-related income sources _____farms __	5 973	2.9
$1,000__	1 043 153	1.1	$1,000__	5 077	6.4
Hogs and pigs _____farms __	9 160	1.7			
$1,000__	486 895	.7			
Sheep, lambs, and wool _____farms __	1 238	2.0	**COMMODITY CREDIT CORPORATION LOANS**		
$1,000__	3 942	2.0			
Other livestock and livestock products (see text) _____farms __	1 583	1.9			
$1,000__	19 981	1.4			
Value of agricultural products sold directly to individuals for human consumption (see text) _____farms __	1 098	2.0	Total _____farms __	3 603	1.4
$1,000__	5 488	1.4	$1,000__	125 622	.6

See footnotes at end of table.

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

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
LAND IN FARMS ACCORDING TO USE			**FARMS BY TYPE OF ORGANIZATION**		
Total cropland ____ farms __	44 337	1.8	Individual or family (sole proprietorship) ____ farms __	39 666	1.8
acres__	16 088 643	1.3	acres__	17 295 214	1.4
Harvested cropland ____ farms __	41 563	1.8	Partnership ____ farms __	5 485	2.0
acres__	11 074 024	1.1	acres__	3 249 215	1.2
Cropland:			Corporation:		
Pasture or grazing only ____ farms __	26 253	1.8	Family held ____ farms __	1 732	1.2
acres__	3 806 561	1.7	acres__	1 738 655	.6
			More than 10 stockholders ____ farms __	45	3.1
Total woodland ____ farms __	25 704	1.8	10 or less stockholders ____ farms __	1 687	1.2
acres__	2 808 974	1.5			
Pastureland and rangeland other than cropland and woodland pastured ____ farms __	14 198	1.8	Other than family held ____ farms __	122	2.7
acres__	2 861 197	1.3	acres__	107 967	1.5
Land in house lots, ponds, roads, wasteland, etc. ____ farms __	28 257	1.8	More than 10 stockholders ____ farms __	18	4.2
acres__	755 513	1.4	10 or less stockholders ____ farms __	104	3.0
Irrigated land ____ farms __	2 369	1.1	Other—cooperative, estate or trust, institutional, etc. ____ farms __	208	2.5
acres__	704 257	.4	acres__	123 276	1.9
Harvested cropland irrigated ____ farms __	2 321	1.1	**HIRED FARM LABOR**		
acres__	701 387	.4	Hired workers by days worked:		
Pasture and other land irrigated ____ farms __	83	2.5	150 days or more ____ farms __	8 119	32.4
acres__	2 870	2.0	workers__	14 966	19.6
Land under federal acreage reduction programs:			Less than 150 days ____ farms __	16 042	56.7
Diverted under annual commodity programs ____ farms __	12 069	1.5	workers__	41 935	46.3
acres__	203 282	.8	**INJURIES AND DEATHS**		
Conservation Reserve or Wetlands Reserve Programs ____ farms __	6 116	1.9	Farm-related injuries:		
acres__	678 180	1.9	Operator and family members ____ farms __	507	1.9
VALUE OF LAND AND BUILDINGS [1]			number__	581	1.9
Estimated market value of land and buildings ____ farms __	47 252	1.8	Hired workers ____ farms __	268	1.0
$1,000__	16 770 716	1.3	number__	390	.8
Average per farm ____ dollars __	354 921	2.2	Farm-related deaths:		
Average per acre ____ dollars __	746	1.9	Operator and family members ____ farms __	21	5.4
VALUE OF MACHINERY AND EQUIPMENT [1]			number__	(D)	(D)
Estimated market value of all machinery and equipment ____ farms __	47 235	1.8	Hired workers ____ farms __	1	–
$1,000__	2 711 604	1.4	number__	(D)	(D)
Average per farm ____ dollars __	57 407	2.3	**FARMS BY SIZE**		
AGRICULTURAL CHEMICALS [1]			1 to 9 acres ____	1 063	2.1
Commercial fertilizer ____ farms __	38 155	1.8	10 to 49 acres ____	1 918	1.9
acres on which used __	8 742 823	1.2	50 to 69 acres ____	973	2.0
TENURE OF OPERATOR			70 to 99 acres ____	2 508	1.9
All operators ____ farms __	47 213	1.8	100 to 139 acres ____	3 506	1.9
acres__	22 514 327	1.3	140 to 179 acres ____	3 833	2.1
Full owners ____ farms __	23 064	1.9	180 to 219 acres ____	3 340	2.1
acres__	7 255 808	1.7	220 to 259 acres ____	3 209	2.1
Part owners ____ farms __	19 419	1.6	260 to 499 acres ____	12 172	2.1
acres__	13 158 899	1.1	500 to 999 acres ____	9 403	1.7
Tenants ____ farms __	4 730	2.4	1,000 to 1,999 acres ____	4 174	.8
acres__	2 099 620	1.6	2,000 acres or more ____	1 114	–
OWNED AND RENTED LAND			**FARMS BY STANDARD INDUSTRIAL CLASSIFICATION**		
Land owned ____ farms __	42 626	1.7			
acres__	14 201 871	1.4	Cash grains (011) ____	15 361	1.8
Owned land in farms ____ farms __	42 483	1.7	Field crops, except cash grains (013) ____	1 615	1.8
acres__	13 252 952	1.4	Vegetables and melons (016) ____	106	3.2
			Fruits and tree nuts (017) ____	81	2.8
Land rented or leased from others ____ farms __	24 253	1.7	Horticultural specialties (018) ____	353	1.2
acres__	9 330 047	1.1	General farms, primarily crop (019) ____	471	2.1
landlords__	62 187	1.4	Livestock, except dairy, poultry, and animal specialties (021) ____	24 655	1.8
Rented or leased land in farms ____ farms __	24 149	1.7	Dairy farms (024) ____	3 379	1.8
acres__	9 261 375	1.1	Poultry and eggs (025) ____	744	.6
Land rented or leased to others ____ farms __	5 086	1.8	Animal specialties (027) ____	281	2.7
acres__	1 017 591	1.7	General farms, primarily livestock and animal specialties (029) ____	167	2.3
OPERATOR CHARACTERISTICS			**LIVESTOCK**		
Operators by place of residence:			Cattle and calves inventory ____ farms __	33 811	1.8
On farm operated ____	35 479	1.7	number__	3 344 676	1.4
Not on farm operated ____	8 710	2.1	Beef cows ____ farms __	27 966	1.8
Not reported ____	3 024	1.7	number__	1 441 346	1.6
Operators by principal occupation:			Milk cows ____ farms __	4 554	1.8
Farming ____	32 921	1.7	number__	213 690	1.1
Other ____	14 292	2.0	Cattle and calves sold ____ farms __	34 487	1.8
Operators by days worked off farm:			number__	2 023 963	1.3
Any ____	20 280	2.0	$1,000__	1 043 153	1.1
200 days or more ____	12 119	2.0	Hogs and pigs inventory ____ farms __	8 767	1.7
Operators by sex:			number__	2 831 458	.8
Male ____	44 859	1.8	Hogs and pigs sold ____ farms __	9 160	1.7
Female ____	2 354	2.0	number__	5 409 133	.8
			$1,000__	486 895	.7
			Sheep and lambs of all ages inventory ____ farms __	1 232	2.0
			number__	75 441	2.1
			Sheep and lambs sold ____ farms __	1 211	2.0
			number__	69 883	2.1
			Horses and ponies inventory ____ farms __	5 510	1.9
			number__	27 090	1.8
			Horses and ponies sold ____ farms __	1 104	1.9
Average age of operator ____ years __	53.2	2.5	number__	7 463	2.9

See footnotes at end of table.

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

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
POULTRY			**CROPS HARVESTED**—Con.		
Chickens 3 months old or older inventory _____farms __	1 544	1.9	Rice _____ farms__	468	1.5
number__	8 268 326	.3	acres__	102 506	.9
Hens and pullets of laying age _____farms __	1 495	1.9	cwt__	5 017 220	.9
number__	6 829 568	.2	Cotton _____ farms__	999	1.3
			acres__	312 606	.4
Broilers and other meat-type chickens sold _____farms __	282	1.0	bales__	499 678	.4
number__	82 982 015	.1	Tobacco _____ farms__	315	2.1
			acres__	16 263	2.4
CROPS HARVESTED			pounds__	3 391 052	2.4
			Soybeans for beans _____ farms__	22 014	1.7
Corn for grain or seed _____farms __	18 460	1.6	acres__	4 094 588	1.0
acres__	2 399 521	.9	bushels__	147 165 221	.9
bushels__	304 854 768	.8	Irish potatoes _____ farms__	70	3.1
Corn for silage or green chop _____farms__	2 245	1.3	acres__	6 592	.1
acres__	79 502	1.0	cwt__	1 774 899	(L)
tons, green __	1 089 606	1.0	Hay—alfalfa, other tame, small grain, wild, grass		
Sorghum for grain or seed _____ farms __	6 214	1.7	silage, green chop, etc. (see text) _____farms__	30 437	1.8
acres__	569 916	1.1	acres__	2 608 332	1.6
bushels__	51 982 934	1.1	tons, dry__	4 897 614	1.5
Wheat for grain _____ farms __	14 582	1.6	Alfalfa hay _____ farms__	11 742	1.8
acres__	1 274 238	1.0	acres__	585 161	1.6
bushels__	56 600 813	1.0	tons, dry__	1 410 241	1.5
Oats for grain _____ farms __	1 998	1.9	Vegetables harvested for sale (see text) _____farms __	532	1.9
acres__	41 707	1.9	acres__	17 721	.9
bushels__	2 172 789	1.8	Land in orchards _____ farms __	284	2.2
			acres__	9 270	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 of less than $1,000.

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

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

Item	All farms — Percent change from 1987 to 1992	All farms — Standard error of estimate	Farms with sales of $10,000 or more — Percent change from 1987 to 1992	Farms with sales of $10,000 or more — Standard error of estimate
Farms _____ number__	−7.6	1.4	−5.2	1.9
Land in farms _____ acres __	−2.3	1.4	−1.0	1.5
Average size of farm _____ acres __	5.8	2.2	4.4	2.6
Estimated market value of land and buildings [1]:				
Average per farm _____ dollars __	28.1	2.8	26.9	3.2
Average per acre _____ dollars __	20.9	2.6	21.7	2.7
Estimated market value of all machinery and equipment [1]:				
Average per farm _____ dollars __	27.2	2.8	21.4	3.2
Farms by size:				
1 to 9 acres	−20.8	1.3	−14.1	2.2
10 to 49 acres	−4.8	1.3	15.1	2.5
50 to 179 acres	−7.4	1.4	.3	2.1
180 to 499 acres	−9.4	1.9	−10.1	2.1
500 to 999 acres	−9.8	1.8	−10.7	1.7
1,000 to 1,999 acres	7.5	1.1	7.5	1.0
2,000 acres or more	29.5	–	28.2	–
Total cropland _____ farms __	−7.3	1.4	−5.5	1.8
acres__	−.8	1.4	.2	1.5
Harvested cropland _____ farms __	−7.7	1.5	−6.0	1.8
acres__	4.3	1.3	6.0	1.4
Irrigated land _____ farms __	3.2	1.4	2.4	1.5
acres__	32.5	1.1	33.2	1.1
Market value of agricultural products sold _____ $1,000 __	18.1	1.2	19.7	1.2
Average per farm _____ dollars __	27.7	2.3	26.3	2.8
Crops, including nursery and greenhouse crops _____ $1,000 __	27.4	1.3	29.0	1.3
Livestock, poultry, and their products _____ $1,000 __	11.8	1.1	13.3	1.1
Farms by value of sales:				
Less than $2,500	−10.6	.9	(X)	(X)
$2,500 to $4,999	−9.6	1.3	(X)	(X)
$5,000 to $9,999	−8.6	1.5	(X)	(X)
$10,000 to $24,999	−8.4	2.0	−8.4	2.0
$25,000 to $49,999	−10.0	2.3	−10.0	2.3
$50,000 to $99,999	−15.9	2.1	−15.9	2.1
$100,000 to $249,999	5.9	1.1	5.9	1.1
$250,000 to $499,999	48.6	.1	48.6	.1
$500,000 or more	108.3	–	108.3	–
Total farm production expenses [1] _____ $1,000__	21.1	1.8	22.6	2.3
Average per farm _____ dollars __	31.0	2.5	29.0	2.9
Net cash return from agricultural sales for the farm unit (see text) [1] _____ farms__	−7.6	1.4	−4.9	1.9
$1,000__	7.2	1.7	10.6	1.6
Average per farm _____ dollars __	15.9	2.6	16.3	2.9
Operators by principal occupation:				
Farming	−8.3	1.6	−7.5	1.7
Other	−6.8	1.4	.6	2.2
Operators by days worked off farm:				
Any	−8.8	4.7	−5.3	5.1
200 days or more	−7.6	4.8	−.2	5.4
Livestock and poultry:				
Cattle and calves inventory _____ farms __	−7.2	1.4	−5.0	1.9
number__	.2	1.5	1.8	1.6
Beef cows _____ farms __	−5.0	1.5	−2.0	1.9
number__	3.2	1.7	5.9	1.9
Milk cows _____ farms __	−27.0	1.3	−20.9	1.6
number__	−10.8	1.3	−9.8	1.3
Cattle and calves sold _____ farms __	−9.3	1.4	−6.4	1.8
number__	−6.6	1.3	−3.9	1.3
Hogs and pigs inventory _____ farms __	−20.6	1.3	−20.7	1.5
number__	12.6	1.1	13.5	1.1
Hogs and pigs sold _____ farms __	−20.7	1.3	−20.7	1.5
number__	15.5	1.2	16.3	1.2
Sheep and lambs inventory _____ farms __	−3.9	1.7	−1.8	2.3
number__	9.4	2.4	13.6	3.0
Chickens 3 months old or older inventory _____ farms __	−39.3	.9	−39.3	1.3
number__	1.3	.4	2.0	.4
Broilers and other meat-type chickens sold _____ farms __	7.9	2.0	16.5	2.1
number__	102.5	1.1	102.5	1.1
Selected crops harvested:				
Corn for grain or seed _____ farms __	−17.5	1.5	−12.4	1.6
acres__	18.2	1.3	20.4	1.3
bushels__	41.6	1.4	43.6	1.5
Corn for silage or green chop _____ farms __	−15.7	1.3	−14.0	1.4
acres__	−1.1	1.2	−.2	1.2
tons, green __	1.0	1.3	1.6	1.3
Sorghum for grain or seed _____ farms __	−24.4	1.4	−18.3	1.6
acres__	−6.2	1.3	−3.3	1.3
bushels__	4.5	1.4	6.9	1.4
Wheat for grain _____ farms __	33.8	2.3	38.7	2.5
acres__	75.9	2.1	78.8	2.1
bushels__	82.0	2.1	84.6	2.1
Cotton _____ farms __	−13.9	1.3	−12.8	1.4
acres__	58.5	1.2	59.0	1.2
bales__	63.7	1.1	64.0	1.1
Soybeans for beans _____ farms __	−20.6	1.5	−14.6	1.7
acres__	−12.8	1.1	−11.2	1.1
bushels__	1.4	1.2	2.9	1.2
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) _____ farms __	−4.0	1.5	−3.7	1.9
acres__	10.6	1.8	12.6	2.0
tons, dry__	12.9	1.8	14.3	1.9

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

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

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

Geographic area	Farms Total (number)	Farms Relative standard error of estimate (percent)	Land in farms Total (acres)	Land in farms Relative standard error of estimate (percent)	Average size of farm Total (acres)	Average size of farm Relative standard error of estimate (percent)	Average market value of land and buildings per farm [1] Value (dollars)	Average market value of land and buildings per farm [1] Relative standard error of estimate (percent)	Estimated market value of all machinery and equipment [1] Total ($1,000)	Estimated market value of all machinery and equipment [1] Relative standard error of estimate (percent)
Missouri	**98 082**	**1.4**	**28 546 875**	**1.3**	**291**	**1.9**	**225 015**	**1.9**	**3 537 197**	**1.3**
Adair	788	2.1	267 066	2.3	339	3.1	154 983	8.2	22 541	7.6
Andrew	830	1.5	227 156	1.5	274	2.1	226 770	6.9	40 517	7.5
Atchison	509	1.4	304 032	.9	597	1.7	490 376	3.5	46 884	4.2
Audrain	1 035	1.2	377 059	1.0	364	1.6	304 561	4.0	61 065	4.2
Barry	1 531	1.5	292 426	1.8	191	2.4	153 060	4.3	38 839	7.5
Barton	864	1.5	311 161	1.5	360	2.1	232 496	4.3	46 603	7.0
Bates	1 206	1.6	430 451	1.4	357	2.1	208 065	3.5	46 659	4.7
Benton	835	1.6	239 298	1.8	287	2.4	159 182	5.9	23 225	6.0
Bollinger	786	1.7	197 530	2.0	251	2.6	155 429	6.6	20 066	5.7
Boone	1 269	1.0	271 914	1.3	214	1.7	224 639	5.5	31 911	5.4
Buchanan	754	1.3	181 292	1.4	240	1.9	215 043	4.8	32 482	5.1
Butler	734	1.7	255 498	1.4	348	2.2	341 870	4.5	40 082	5.5
Caldwell	820	2.0	232 189	2.3	283	3.0	156 859	5.3	22 315	7.9
Callaway	1 300	1.2	339 372	1.4	261	1.8	226 607	5.2	40 209	5.1
Camden	567	1.2	163 076	1.6	288	2.0	145 613	6.5	14 799	8.1
Cape Girardeau	1 203	1.2	252 890	1.2	210	1.7	226 640	6.0	44 422	5.4
Carroll	919	1.8	377 000	1.5	410	2.4	328 451	3.6	46 075	3.7
Carter	196	1.8	54 767	3.3	279	3.7	146 920	6.6	3 909	7.7
Cass	1 517	1.2	325 796	1.3	215	1.8	256 583	7.7	50 664	5.1
Cedar	821	1.5	187 856	2.1	229	2.6	143 132	6.5	19 696	8.2
Chariton	1 075	1.4	403 597	1.2	375	1.8	286 273	3.9	62 623	4.6
Christian	1 278	1.7	211 148	2.1	165	2.7	215 131	8.1	25 705	6.4
Clark	611	1.9	244 810	1.6	401	2.5	255 631	4.7	33 681	9.3
Clay	654	1.2	130 358	1.4	199	1.9	270 056	6.0	22 131	12.3
Clinton	714	1.0	207 611	1.2	291	1.6	231 910	4.5	24 906	4.9
Cole	1 041	1.2	187 239	1.7	180	2.1	150 388	4.7	28 956	8.2
Cooper	892	1.6	298 709	1.4	335	2.2	235 994	5.2	40 550	5.4
Crawford	680	1.2	201 670	1.6	297	2.0	183 741	7.1	11 776	6.9
Dade	850	1.7	252 783	1.9	297	2.5	156 699	4.7	22 479	4.8
Dallas	1 089	1.1	227 783	1.3	209	1.7	144 769	7.0	22 056	5.6
Daviess	830	2.1	278 841	2.0	336	2.9	184 254	5.1	31 056	6.6
De Kalb	725	2.1	210 829	2.1	291	3.0	184 366	5.9	23 037	6.5
Dent	702	1.3	219 440	1.6	313	2.1	174 289	5.9	15 879	14.0
Douglas	1 187	1.3	300 970	1.7	254	2.1	156 421	5.7	23 892	6.2
Dunklin	537	1.4	288 810	.7	538	1.6	566 760	2.5	51 434	5.2
Franklin	1 586	.9	296 281	1.2	187	1.5	215 123	4.9	44 950	4.9
Gasconade	816	1.0	196 959	1.3	241	1.7	164 558	8.2	17 534	7.2
Gentry	624	1.8	245 827	1.6	394	2.4	210 753	5.3	23 649	6.3
Greene	2 103	1.1	285 496	1.4	136	1.8	189 521	4.5	50 520	5.8
Grundy	618	1.7	226 336	1.7	366	2.5	220 681	6.5	24 338	8.2
Harrison	860	2.3	399 193	2.1	464	3.1	238 873	10.6	32 336	8.9
Henry	952	1.7	321 181	1.7	337	2.4	226 102	6.0	39 941	8.6
Hickory	532	1.4	174 314	1.5	328	2.1	181 082	9.5	12 350	10.2
Holt	518	1.7	232 592	1.0	449	1.9	410 860	3.5	39 810	5.2
Howard	687	1.6	238 909	1.7	348	2.4	254 501	7.9	28 725	7.2
Howell	1 706	1.4	372 292	1.6	218	2.1	137 354	5.0	36 163	7.0
Iron	284	1.3	68 596	2.1	242	2.5	150 842	10.4	5 277	10.4
Jackson	757	1.2	134 196	1.3	177	1.7	323 570	5.6	24 944	4.4
Jasper	1 317	1.3	281 327	1.6	214	2.1	179 536	4.7	41 261	5.6
Jefferson	648	1.0	119 595	1.7	185	2.0	259 646	8.0	15 508	6.7
Johnson	1 526	1.3	371 022	1.4	243	2.0	198 908	3.8	51 468	4.8
Knox	587	1.8	268 447	1.5	457	2.3	258 969	4.7	27 862	5.1
Laclede	1 272	1.2	304 560	1.5	239	2.0	166 966	6.3	31 017	5.3
Lafayette	1 312	1.1	356 164	.9	271	1.4	259 284	3.1	59 276	4.1
Lawrence	1 668	1.3	332 910	1.7	200	2.2	190 017	5.9	59 680	5.3
Lewis	662	1.9	249 046	1.6	376	2.5	238 243	5.0	28 179	5.6
Lincoln	1 013	1.3	253 281	1.3	250	1.8	286 317	4.8	42 987	5.0
Linn	847	1.6	337 893	1.5	399	2.2	204 625	4.6	33 254	8.4
Livingston	717	1.9	270 576	1.6	377	2.5	279 439	4.7	29 309	6.8
McDonald	1 016	1.1	199 292	1.3	196	1.7	162 181	3.6	34 900	4.1
Macon	1 127	1.8	381 934	1.8	339	2.5	170 131	6.5	33 361	4.6
Madison	380	1.2	111 549	1.8	294	2.2	182 098	15.5	7 238	16.0
Maries	813	1.3	233 304	1.7	287	2.2	132 140	5.3	16 311	6.3
Marion	702	1.6	219 894	1.5	313	2.1	244 548	4.5	29 349	6.4
Mercer	485	2.4	210 253	2.6	434	3.5	230 190	6.8	22 467	11.5
Miller	1 080	1.1	242 018	1.5	224	1.8	141 670	4.3	28 658	6.2
Mississippi	293	1.4	265 245	.6	905	1.5	1 145 335	2.8	50 160	2.2
Moniteau	989	1.2	217 116	1.4	220	1.8	152 641	6.9	25 438	6.6
Monroe	833	1.8	306 175	1.5	368	2.4	264 523	5.3	41 324	4.3
Montgomery	717	1.1	224 716	1.2	313	1.6	292 539	4.4	35 449	6.3
Morgan	849	1.4	201 714	1.6	238	2.2	143 863	4.9	25 997	9.3
New Madrid	442	1.4	368 849	.6	835	1.5	961 939	2.5	62 253	2.9
Newton	1 644	1.0	256 023	1.3	156	1.6	151 659	3.7	40 625	4.8
Nodaway	1 349	1.6	507 875	1.2	376	2.0	257 607	3.7	57 302	3.8
Oregon	791	1.7	252 074	1.8	319	2.4	172 451	5.9	18 019	8.7
Osage	1 171	1.1	316 809	1.2	271	1.6	139 503	4.4	33 337	4.9
Ozark	802	1.6	250 475	1.8	312	2.4	173 416	6.6	18 568	6.7
Pemiscot	348	1.6	291 846	.7	839	1.7	875 017	3.3	51 261	4.5
Perry	897	1.1	209 452	1.3	234	1.7	198 866	4.9	37 096	4.8
Pettis	1 225	1.3	359 434	1.1	293	1.7	210 180	3.4	51 423	4.6
Phelps	716	1.3	200 766	1.4	280	1.9	188 685	8.3	14 259	7.9
Pike	968	1.5	323 465	1.3	334	2.0	278 263	4.0	40 995	4.6
Platte	704	1.2	188 595	1.1	268	1.6	281 402	4.8	28 523	7.4
Polk	1 600	1.2	345 673	1.4	216	1.8	159 013	3.8	41 267	4.4

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 8
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

Geographic area	Farms — Total (number)	Farms — Relative standard error of estimate (percent)	Land in farms — Total (acres)	Land in farms — Relative standard error of estimate (percent)	Average size of farm — Total (acres)	Average size of farm — Relative standard error of estimate (percent)	Average market value of land and buildings per farm [1] — Value (dollars)	Average market value of land and buildings per farm [1] — Relative standard error of estimate (percent)	Estimated market value of all machinery and equipment [1] — Total ($1,000)	Estimated market value of all machinery and equipment [1] — Relative standard error of estimate (percent)
Pulaski	494	1.2	138 986	1.8	281	2.2	158 350	7.7	9 534	14.0
Putnam	581	2.1	254 493	2.0	438	2.9	170 352	5.9	20 300	11.4
Ralls	570	1.6	228 936	1.4	402	2.1	317 348	4.8	31 298	4.9
Randolph	745	1.5	221 122	1.6	297	2.2	176 206	6.6	21 076	8.3
Ray	1 045	1.2	277 322	1.1	265	1.7	234 947	3.8	39 048	6.1
Reynolds	298	1.2	89 683	1.9	301	2.3	203 644	30.6	5 338	8.0
Ripley	465	1.6	152 529	2.2	328	2.7	175 752	7.5	14 039	12.1
St. Charles	783	.8	204 171	.8	261	1.2	493 915	4.8	36 425	3.9
St. Clair	726	1.8	257 217	2.1	354	2.8	171 811	5.9	22 267	6.8
Ste. Genevieve	635	1.2	168 586	1.6	265	1.9	192 884	5.0	21 630	5.4
St. Francois	693	.8	116 910	1.5	169	1.7	172 667	7.1	14 914	7.8
St. Louis	295	1.0	54 082	1.8	183	2.1	401 895	12.5	9 862	9.4
Saline	939	1.7	414 394	1.3	441	2.1	381 016	3.2	62 281	4.4
Schuyler	488	1.9	165 225	2.1	339	2.8	133 167	6.3	13 381	10.2
Scotland	530	1.9	216 694	1.7	409	2.5	259 364	11.5	22 417	4.3
Scott	545	1.4	219 042	.9	402	1.7	432 247	3.5	35 257	2.5
Shannon	424	1.7	120 036	2.7	283	3.2	118 708	8.8	7 538	10.0
Shelby	655	1.6	273 393	1.3	417	2.1	255 162	3.3	44 620	5.3
Stoddard	953	1.3	438 142	.7	460	1.4	560 094	2.4	80 521	3.1
Stone	698	1.5	137 747	1.9	197	2.4	168 577	6.4	13 566	6.9
Sullivan	779	1.8	329 999	1.7	424	2.5	169 900	8.3	22 286	5.3
Taney	493	1.3	160 576	1.4	326	1.9	181 140	8.5	10 541	15.6
Texas	1 536	1.2	459 671	1.3	299	1.8	176 913	5.1	35 587	5.5
Vernon	1 249	1.6	402 202	1.8	322	2.4	211 386	4.0	40 437	5.1
Warren	526	1.0	126 474	1.4	240	1.7	393 056	6.5	26 137	9.3
Washington	476	1.2	111 850	1.8	235	2.2	140 317	8.3	10 963	9.6
Wayne	361	1.7	93 053	2.1	258	2.7	118 337	11.5	6 251	14.8
Webster	1 541	1.1	289 729	1.2	188	1.6	147 725	5.1	37 167	4.8
Worth	327	1.7	134 028	1.9	410	2.5	225 646	9.3	10 722	11.6
Wright	1 330	1.4	316 617	1.6	238	2.1	150 584	6.5	32 749	4.9

Geographic area	Average market value of all machinery and equipment per farm [1] — Value (dollars)	Average market value of all machinery and equipment per farm [1] — Relative standard error of estimate (percent)	Market value of agricultural products sold — Total ($1,000)	Market value of agricultural products sold — Relative standard error of estimate (percent)	Average market value of agricultural products sold per farm — Value (dollars)	Average market value of agricultural products sold per farm — Relative standard error of estimate (percent)	Farm production expenses [1] — Total farm production expenses — Farms — Number	Farm production expenses [1] — Total farm production expenses — Farms — Relative standard error of estimate (percent)	Farm production expenses [1] — Total farm production expenses — Value — Total ($1,000)	Farm production expenses [1] — Total farm production expenses — Value — Relative standard error of estimate (percent)
Missouri	**36 155**	**1.9**	**4 303 148**	**.8**	**43 873**	**1.6**	**98 082**	**1.4**	**3 395 093**	**.9**
Adair	28 605	7.9	21 151	2.2	26 841	3.0	788	2.0	15 692	4.4
Andrew	48 816	7.7	38 441	1.2	46 314	1.9	830	1.6	27 166	3.4
Atchison	92 109	4.6	62 943	.7	123 661	1.6	509	1.9	42 677	2.5
Audrain	59 927	4.5	76 029	.7	73 458	1.4	1 035	1.4	58 767	1.6
Barry	25 535	7.7	98 086	.6	64 067	1.6	1 530	1.6	86 707	1.3
Barton	53 939	7.1	38 632	1.0	44 713	1.8	864	1.4	30 652	2.7
Bates	38 882	5.0	67 531	.8	55 996	1.8	1 207	1.6	54 722	1.4
Benton	27 814	6.3	27 984	1.3	33 513	2.0	835	1.7	22 815	5.6
Bollinger	25 562	5.9	17 170	2.0	21 845	2.6	785	1.5	12 804	5.0
Boone	25 387	5.5	35 949	.9	28 329	1.4	1 268	1.1	31 249	3.0
Buchanan	43 425	5.4	28 619	1.2	37 956	1.8	754	1.8	20 130	3.7
Butler	54 533	6.0	47 021	1.1	64 062	2.0	735	2.3	35 211	2.3
Caldwell	27 213	8.1	26 285	1.7	32 054	2.7	820	1.9	20 272	3.4
Callaway	30 906	5.2	38 609	1.1	29 699	1.6	1 301	1.3	31 689	3.1
Camden	26 101	8.2	12 426	1.3	21 915	1.8	567	1.4	13 500	6.7
Cape Girardeau	37 143	5.6	43 414	1.0	36 088	1.5	1 203	1.4	34 687	3.0
Carroll	50 136	4.0	62 039	1.0	67 507	2.1	919	1.7	42 520	2.1
Carter	19 842	8.2	2 702	2.4	13 786	3.0	197	2.6	2 620	9.0
Cass	33 508	5.2	50 516	.9	33 300	1.5	1 517	1.3	41 923	2.3
Cedar	23 990	8.3	16 360	1.5	19 927	2.1	821	1.6	15 495	5.5
Chariton	58 254	4.9	75 823	.8	70 533	1.6	1 075	1.6	55 104	2.4
Christian	20 192	6.7	28 241	1.5	22 098	2.3	1 279	1.9	22 865	3.1
Clark	55 215	9.5	31 838	1.4	52 109	2.3	610	2.2	22 268	5.4
Clay	33 840	12.4	22 322	1.0	34 132	1.5	654	1.4	20 244	3.3
Clinton	35 129	5.1	33 641	.8	47 116	1.3	714	1.2	27 291	2.9
Cole	27 816	8.2	18 585	1.6	17 853	2.0	1 041	1.1	16 176	5.9
Cooper	45 460	5.7	54 496	1.0	61 095	1.9	892	1.7	43 868	2.5
Crawford	17 318	7.1	9 594	1.7	14 108	2.1	680	1.5	8 999	5.0
Dade	26 446	5.1	27 825	1.5	32 735	2.3	850	1.8	20 500	2.6
Dallas	20 403	5.7	31 325	1.1	28 765	1.5	1 089	1.2	26 589	3.3
Daviess	37 873	7.0	32 431	1.7	39 074	2.6	831	2.0	22 324	3.3
De Kalb	31 775	7.0	26 474	1.6	36 515	2.6	725	2.5	22 754	3.9
Dent	22 620	14.0	11 224	1.7	15 988	2.1	702	1.3	11 903	6.7
Douglas	20 128	6.3	29 886	1.5	25 178	2.0	1 187	1.4	27 961	3.4
Dunklin	95 780	5.4	82 508	.5	153 646	1.5	537	1.6	56 702	2.7
Franklin	28 360	5.0	37 503	.8	23 646	1.2	1 585	1.0	31 709	3.7
Gasconade	21 647	7.3	14 672	1.4	17 980	1.7	816	1.1	11 110	4.0
Gentry	38 328	6.5	30 998	1.1	49 677	2.1	624	1.5	24 440	3.4
Greene	24 046	5.9	41 703	1.1	19 830	1.5	2 101	1.2	36 313	3.2

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 9
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

Geographic area	Average market value of all machinery and equipment per farm[1]		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses [1]			
							Total farm production expenses			
							Farms		Value	
	Value (dollars)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Grundy	39 964	8.6	26 566	1.3	42 988	2.2	618	2.2	19 071	3.4
Harrison	37 909	9.2	37 654	1.7	43 784	2.9	860	2.3	30 881	5.1
Henry	41 955	8.7	36 976	1.3	38 840	2.1	952	1.7	28 872	3.1
Hickory	23 214	10.4	15 810	1.0	29 717	1.7	532	1.5	13 451	4.7
Holt	76 854	5.5	46 475	.8	89 721	1.9	518	1.6	31 908	3.2
Howard	42 180	7.4	27 927	1.4	40 651	2.1	687	1.6	22 536	2.9
Howell	21 272	7.2	39 575	1.3	23 197	1.9	1 707	1.5	34 998	2.7
Iron	18 581	10.6	5 226	2.0	18 402	2.4	284	1.9	4 299	7.8
Jackson	32 951	4.6	26 004	.8	34 352	1.5	757	1.2	19 581	3.4
Jasper	31 329	5.8	60 212	.7	45 719	1.5	1 317	1.3	51 819	1.4
Jefferson	23 933	6.8	10 722	1.5	16 546	1.8	648	1.2	8 240	7.6
Johnson	33 728	5.0	57 564	.9	37 722	1.6	1 526	1.5	46 600	2.2
Knox	47 546	5.5	30 030	1.2	51 158	2.1	586	2.1	23 037	3.5
Laclede	24 366	5.4	34 702	1.2	27 282	1.7	1 273	1.3	29 267	3.5
Lafayette	45 180	4.3	83 405	.6	63 571	1.3	1 312	1.1	60 686	1.5
Lawrence	35 779	5.5	76 904	.8	46 105	1.5	1 668	1.3	69 822	2.5
Lewis	42 631	6.0	35 251	1.1	53 249	2.2	662	2.0	27 507	3.1
Lincoln	42 394	5.2	52 217	.8	51 547	1.5	1 014	1.4	41 873	2.8
Linn	39 542	8.6	40 995	1.1	48 400	2.0	848	1.6	32 205	3.0
Livingston	40 877	7.1	32 535	1.3	45 376	2.2	717	2.0	22 456	3.8
McDonald	34 350	4.2	81 724	.3	80 437	1.1	1 016	1.1	75 265	1.1
Macon	29 602	5.0	32 675	1.4	28 993	2.3	1 127	2.1	26 110	3.6
Madison	19 047	16.1	7 339	1.5	19 313	2.0	380	1.9	6 252	8.0
Maries	20 062	6.4	17 127	1.4	21 067	1.9	813	1.3	15 937	4.5
Marion	41 807	6.7	33 376	1.2	47 544	2.0	702	1.8	26 011	3.3
Mercer	46 324	11.7	25 203	1.5	51 965	2.8	485	2.2	19 089	6.2
Miller	26 535	6.3	52 995	.5	49 069	1.2	1 080	1.2	47 044	1.3
Mississippi	170 611	2.8	75 683	.4	258 304	1.4	294	1.7	51 997	1.3
Moniteau	25 721	6.7	37 646	.9	38 064	1.5	989	1.2	30 077	2.5
Monroe	49 608	4.7	44 877	1.1	53 873	2.1	833	1.9	34 639	2.3
Montgomery	50 070	6.5	35 549	.9	49 580	1.4	717	1.2	26 318	2.9
Morgan	30 766	9.5	46 237	.8	54 461	1.6	849	1.7	39 326	1.9
New Madrid	140 844	3.3	95 734	.4	216 592	1.5	442	1.7	58 771	1.5
Newton	24 696	4.9	87 993	.4	53 524	1.1	1 645	1.0	81 256	.9
Nodaway	42 859	4.2	81 915	1.0	60 723	1.9	1 348	1.6	62 072	1.9
Oregon	22 780	8.9	26 134	1.3	33 039	2.1	791	1.7	23 907	3.5
Osage	28 468	5.0	53 426	.7	45 624	1.2	1 171	1.1	43 567	2.1
Ozark	23 181	6.9	26 016	1.5	32 439	2.2	801	1.7	21 619	2.9
Pemiscot	147 301	4.8	75 212	.5	216 127	1.7	348	1.6	46 605	2.7
Perry	41 355	5.0	33 367	1.1	37 198	1.6	897	1.3	26 681	3.5
Pettis	41 978	4.8	56 042	.9	45 749	1.6	1 225	1.6	42 904	2.4
Phelps	20 111	8.1	10 003	1.6	13 971	2.0	716	1.5	9 471	9.1
Pike	42 350	4.8	56 563	.9	58 433	1.7	968	1.5	41 736	1.8
Platte	40 574	7.5	26 478	1.0	37 611	1.5	703	1.1	18 801	2.0
Polk	26 003	4.7	52 655	1.0	32 909	1.6	1 600	1.3	44 633	2.2
Pulaski	19 299	14.1	8 553	1.3	17 314	1.8	494	1.2	7 896	10.5
Putnam	34 880	11.7	27 485	1.6	47 306	2.6	582	2.3	24 006	4.9
Ralls	54 718	5.1	32 441	1.0	56 914	1.9	572	1.6	22 497	2.2
Randolph	28 252	8.4	22 712	1.2	30 486	1.9	746	1.4	17 880	3.1
Ray	38 245	6.3	42 366	.8	40 542	1.4	1 045	1.4	32 426	2.1
Reynolds	18 343	8.5	3 472	2.0	11 652	2.3	298	2.2	3 451	23.1
Ripley	30 192	12.2	9 096	2.1	19 561	2.6	465	1.7	9 708	9.5
St. Charles	46 940	4.1	43 840	.6	55 990	1.0	782	.9	29 497	2.4
St. Clair	30 670	7.0	20 961	1.9	28 872	2.6	726	1.8	17 390	4.4
Ste. Genevieve	34 117	5.5	18 287	1.1	28 799	1.6	634	1.2	14 353	2.5
St. Francois	21 521	7.9	16 951	.7	24 460	1.1	693	1.1	14 026	9.1
St. Louis	33 546	9.5	16 460	.7	55 798	1.2	294	1.3	11 284	3.2
Saline	66 327	4.8	87 158	.8	92 820	1.9	939	1.9	59 723	1.6
Schuyler	27 421	10.4	14 116	1.9	28 927	2.7	488	1.9	11 683	5.1
Scotland	42 297	4.7	29 278	1.3	55 242	2.3	530	1.9	24 103	3.0
Scott	64 572	2.8	51 749	.6	94 952	1.6	546	1.4	36 440	2.1
Shannon	17 779	10.2	5 404	2.9	12 745	3.3	424	1.8	4 388	7.9
Shelby	68 122	5.5	46 521	.9	71 024	1.8	655	1.5	34 425	1.8
Stoddard	84 492	3.3	117 261	.4	123 044	1.3	953	1.1	88 667	1.7
Stone	19 463	7.1	17 679	1.7	25 327	2.2	697	1.6	15 291	3.8
Sullivan	28 905	5.6	25 815	1.3	33 139	2.2	779	1.8	21 963	3.6
Taney	21 338	15.7	7 472	1.8	15 157	2.2	494	1.5	6 531	6.1
Texas	23 184	5.7	41 578	1.4	27 069	1.8	1 535	1.6	35 217	2.9
Vernon	32 584	5.4	41 392	1.3	33 140	2.1	1 249	1.6	35 030	2.8
Warren	49 690	9.4	22 476	1.0	42 730	1.4	526	1.2	19 255	5.3
Washington	23 032	9.7	13 797	.9	28 986	1.5	476	1.4	12 084	5.1
Wayne	17 316	15.0	4 476	2.4	12 399	2.9	361	2.3	4 502	14.8
Webster	24 135	5.0	52 125	.9	33 825	1.4	1 540	1.2	43 805	3.0
Worth	34 038	12.0	12 281	1.6	37 558	2.3	326	2.0	8 333	5.9
Wright	24 623	5.2	48 232	1.3	36 265	2.0	1 330	1.5	39 628	2.6

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 10
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

	Farm production expenses[1]—Con.											
	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Missouri	**33 768**	**1.7**	**469 893**	**1.1**	**65 888**	**1.5**	**751 669**	**.9**	**42 272**	**1.7**	**130 007**	**1.1**
Adair	321	9.7	2 605	13.2	471	6.3	1 898	7.7	442	6.3	682	9.8
Andrew	272	10.2	2 707	11.0	473	6.3	3 558	8.1	611	4.6	1 565	4.0
Atchison	116	11.5	2 782	7.9	206	9.7	2 593	11.9	485	3.1	3 722	2.5
Audrain	370	8.4	10 729	3.3	646	4.8	9 934	6.8	738	4.1	2 547	3.9
Barry	652	6.9	13 327	8.5	1 263	3.1	50 430	1.9	317	10.3	209	10.4
Barton	271	10.9	3 012	7.7	626	4.5	5 286	4.8	518	5.0	1 311	9.6
Bates	323	10.6	15 295	1.7	753	5.4	9 353	2.8	615	6.4	1 887	4.8
Benton	265	12.1	4 766	11.2	597	5.6	6 456	11.6	287	11.2	382	12.4
Bollinger	313	10.4	1 578	14.1	533	5.3	1 890	5.9	317	8.6	530	8.3
Boone	335	9.6	4 690	6.8	787	4.8	4 784	3.5	563	6.5	1 247	6.2
Buchanan	235	12.7	1 542	15.9	440	6.7	1 687	9.2	498	5.0	1 359	4.7
Butler	127	18.8	1 677	23.1	252	11.5	628	20.5	432	7.2	2 328	5.7
Caldwell	200	15.0	1 780	10.6	450	8.2	3 659	9.2	531	5.6	1 094	6.8
Callaway	449	7.9	3 930	8.1	854	4.4	4 743	5.2	517	6.7	1 236	6.5
Camden	203	13.1	2 934	9.8	448	4.8	4 070	14.0	81	24.4	56	24.9
Cape Girardeau	424	9.1	4 708	8.1	800	4.7	7 150	9.4	689	5.4	1 229	4.8
Carroll	287	9.8	5 667	6.3	503	6.3	5 857	6.5	616	4.7	2 534	3.7
Carter	71	9.7	300	14.7	154	4.6	677	12.7	29	17.8	23	21.3
Cass	489	8.1	3 861	12.2	1 038	3.4	5 179	7.6	650	5.8	2 989	3.1
Cedar	256	12.2	3 707	7.9	653	4.5	3 827	8.9	202	13.6	124	14.9
Chariton	314	11.1	10 327	2.2	579	6.4	7 393	5.8	834	3.5	2 962	4.8
Christian	545	8.0	3 830	9.8	1 037	3.6	6 936	5.0	293	12.6	171	16.6
Clark	193	14.3	1 116	19.2	354	8.6	2 890	12.2	399	6.7	1 617	9.7
Clay	235	11.1	6 979	6.3	408	5.4	2 911	8.0	246	10.7	686	8.3
Clinton	259	10.5	5 022	11.6	463	6.1	4 197	9.7	338	7.8	1 116	12.7
Cole	321	9.9	1 774	14.4	783	4.1	4 213	11.6	428	7.7	369	11.4
Cooper	388	8.6	10 571	6.5	596	5.6	9 883	6.1	535	5.9	1 599	5.1
Crawford	223	14.0	1 087	23.5	531	5.2	1 647	5.9	174	15.0	172	7.1
Dade	322	9.9	4 334	4.7	659	4.2	4 221	3.8	241	11.6	330	9.8
Dallas	477	8.4	3 923	13.4	840	4.2	11 889	3.1	146	16.0	102	17.3
Daviess	285	10.3	2 987	10.9	457	7.8	2 568	7.2	550	5.9	1 259	6.4
De Kalb	228	12.3	2 690	7.7	425	6.9	3 443	6.8	413	7.8	912	8.9
Dent	232	11.7	1 917	13.8	562	4.5	2 876	14.7	106	22.4	49	30.9
Douglas	441	8.9	4 743	5.9	972	3.3	9 845	6.8	190	15.5	94	13.8
Dunklin	32	36.3	393	12.6	56	28.1	116	25.8	485	3.1	3 235	1.7
Franklin	437	10.0	3 207	9.3	1 064	4.6	8 543	6.3	576	7.3	896	8.8
Gasconade	277	11.9	1 078	16.6	489	7.2	3 038	5.6	384	8.9	307	10.2
Gentry	185	11.1	3 793	7.9	390	7.0	3 547	4.5	425	6.8	1 099	4.2
Greene	763	6.4	5 052	10.5	1 622	2.8	10 494	4.9	359	9.9	546	10.4
Grundy	194	14.1	1 646	10.4	344	8.6	2 264	10.1	335	7.6	1 370	5.3
Harrison	224	14.3	4 132	33.9	543	6.6	3 881	6.0	506	7.0	1 533	5.8
Henry	293	11.4	3 486	7.3	675	5.0	5 180	7.2	463	6.6	1 017	9.0
Hickory	160	14.8	3 318	4.4	419	5.0	3 285	7.8	117	18.3	96	18.8
Holt	109	19.1	1 990	4.4	238	10.0	2 358	6.0	455	4.1	2 635	3.9
Howard	221	14.0	2 565	13.7	459	6.6	2 207	8.5	460	6.6	1 221	8.5
Howell	783	6.2	8 140	7.4	1 436	2.9	11 330	4.6	227	13.8	127	12.0
Iron	121	15.1	977	13.1	175	8.8	1 016	10.9	66	21.9	51	61.8
Jackson	280	11.1	2 237	11.1	397	8.2	1 320	10.4	310	9.3	1 322	6.4
Jasper	486	8.5	4 580	9.5	1 052	3.3	20 489	.9	456	7.8	1 991	2.2
Jefferson	196	12.7	980	21.7	376	7.4	1 360	7.6	219	11.6	269	11.2
Johnson	453	8.5	7 579	7.2	1 026	3.8	14 370	2.3	645	5.7	1 369	4.8
Knox	172	13.7	2 818	8.3	390	7.5	3 423	9.9	421	6.3	1 156	6.3
Laclede	438	8.4	3 331	10.4	1 030	3.3	10 406	7.6	205	12.6	173	16.1
Lafayette	485	8.2	9 138	4.4	794	5.3	9 751	3.8	811	4.3	3 799	3.8
Lawrence	642	7.1	8 826	4.7	1 337	3.2	17 840	5.1	462	9.5	496	12.7
Lewis	215	12.8	3 036	6.3	380	7.3	3 549	11.8	461	5.4	1 812	4.2
Lincoln	361	9.1	8 309	10.3	652	6.1	10 469	4.4	567	6.5	1 596	3.9
Linn	369	8.5	5 877	11.5	567	5.6	5 641	7.3	494	5.6	976	5.4
Livingston	168	15.8	1 985	13.4	332	11.0	1 775	9.2	489	6.5	1 349	7.2
McDonald	486	6.9	14 997	2.3	811	3.8	38 718	1.4	118	14.9	97	27.7
Macon	423	8.7	3 870	17.1	779	4.8	3 594	7.9	608	5.8	1 158	6.6
Madison	131	18.1	889	27.1	303	5.7	1 902	6.9	111	20.4	93	27.0
Maries	313	10.7	3 040	19.6	689	4.0	5 268	7.2	168	15.1	110	15.6
Marion	239	12.4	2 478	12.9	455	6.6	3 565	8.2	463	5.3	1 554	5.1
Mercer	135	18.7	3 625	13.4	302	8.5	3 979	11.4	252	10.5	614	10.9
Miller	412	7.9	8 060	4.4	859	3.3	25 664	1.2	206	13.8	143	18.3
Mississippi	27	26.1	148	11.7	28	22.9	955	.2	275	3.1	3 824	1.9
Moniteau	401	8.1	5 757	6.0	790	3.4	10 156	3.2	360	8.6	550	13.6
Monroe	332	8.4	4 301	10.3	574	5.5	6 629	5.4	541	5.6	1 462	5.7
Montgomery	247	11.2	2 514	15.0	457	6.3	4 169	8.5	471	4.3	1 469	4.9
Morgan	317	10.4	6 659	5.5	661	4.7	18 019	2.1	332	10.9	417	13.8
New Madrid	5	1.0	27	(L)	18	41.7	238	8.5	431	2.4	4 858	6.5
Newton	586	6.8	15 209	2.3	1 167	3.5	42 381	.9	330	10.4	399	9.8
Nodaway	523	7.3	6 323	9.0	923	4.0	8 775	6.6	1 044	3.6	3 949	3.6
Oregon	375	9.6	6 863	9.3	649	3.8	6 687	5.2	151	18.6	101	21.1
Osage	490	7.9	6 509	5.3	924	3.9	20 726	2.0	466	7.1	470	11.6
Ozark	349	9.9	4 921	7.5	658	4.4	7 592	5.2	89	22.1	53	22.2
Pemiscot	13	68.3	504	6.7	26	45.9	372	5.2	326	3.9	3 051	2.0
Perry	374	8.9	4 088	11.4	622	5.0	4 732	7.2	559	5.8	1 184	6.0

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 11
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

	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	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Pettis	449	7.7	7 388	6.2	775	4.9	8 899	3.5	635	5.2	1 655	6.4
Phelps	274	10.4	1 373	22.2	558	4.5	1 899	7.3	98	21.9	79	24.4
Pike	369	8.3	7 174	2.6	625	5.7	7 771	3.4	585	5.5	2 001	3.8
Platte	146	16.6	712	21.6	329	8.5	1 309	14.3	440	6.7	1 555	3.9
Polk	675	7.0	8 150	6.0	1 245	3.7	14 615	3.7	333	10.4	479	6.5
Pulaski	184	14.4	2 401	18.2	346	6.6	1 508	8.7	82	23.8	90	4.7
Putnam	234	11.6	6 972	10.8	374	8.1	2 929	9.1	270	11.3	583	18.6
Ralls	141	14.7	1 761	7.0	302	8.5	2 585	8.6	410	4.4	1 331	4.2
Randolph	210	12.5	4 682	6.5	416	6.4	2 336	9.8	395	8.1	643	5.6
Ray	243	11.4	5 755	2.9	609	5.5	3 844	7.0	544	5.9	2 046	5.1
Reynolds	104	17.5	1 047	52.7	215	8.9	599	19.5	46	33.3	12	44.7
Ripley	115	18.4	1 501	25.8	327	7.0	1 245	23.0	145	15.7	291	16.7
St. Charles	148	15.5	2 053	15.2	285	9.1	3 066	4.8	505	4.1	2 445	8.7
St. Clair	285	9.9	2 226	13.9	482	6.0	3 928	9.2	262	9.8	402	9.3
Ste. Genevieve	240	10.5	2 215	8.6	447	5.1	3 555	4.2	267	9.0	503	8.2
St. Francois	235	13.9	1 777	7.1	464	5.9	5 223	15.2	146	18.9	369	8.6
St. Louis	41	37.0	53	31.0	84	21.4	238	56.7	160	10.7	2 043	2.3
Saline	307	10.2	8 809	6.8	507	6.7	7 815	4.6	726	3.7	3 734	3.7
Schuyler	211	12.6	2 018	19.9	298	8.9	1 647	10.9	238	11.1	346	10.4
Scotland	249	12.1	3 128	7.4	317	8.5	2 978	12.8	375	6.0	1 451	7.1
Scott	137	14.0	2 924	3.9	231	10.1	2 351	6.0	368	5.1	2 418	3.7
Shannon	142	15.5	499	26.1	361	4.4	1 049	17.5	37	35.0	8	39.7
Shelby	243	9.9	4 725	5.1	425	6.2	6 764	3.2	463	5.6	1 524	3.7
Stoddard	185	13.3	4 315	2.5	311	9.8	10 992	1.0	649	3.8	5 236	2.0
Stone	220	10.7	1 575	11.3	578	4.3	6 099	6.3	31	28.1	59	21.7
Sullivan	201	13.9	4 227	14.9	490	6.5	3 070	6.7	246	10.4	521	15.2
Taney	147	17.2	963	33.3	390	5.4	1 994	10.9	53	30.4	39	16.5
Texas	570	8.3	3 893	12.0	1 217	3.3	12 258	4.9	234	14.1	216	14.0
Vernon	398	9.5	4 765	8.1	861	4.7	4 519	6.4	530	7.2	1 620	10.0
Warren	217	9.7	1 873	7.2	369	5.5	4 145	11.1	260	7.1	890	7.4
Washington	199	12.4	3 321	16.4	360	6.0	4 357	2.2	48	29.8	8	30.8
Wayne	142	15.5	676	29.9	254	10.0	1 071	39.0	142	16.5	119	25.1
Webster	720	6.2	7 792	8.7	1 200	3.4	16 958	5.4	368	9.3	277	11.0
Worth	56	23.3	491	8.7	182	11.5	1 287	20.0	197	9.8	350	11.4
Wright	647	6.7	4 505	9.4	1 103	3.2	16 423	3.3	254	12.8	175	17.4

	Farm production expenses [1]—Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Missouri	**63 374**	**1.6**	**301 298**	**1.2**	**48 013**	**1.6**	**170 477**	**1.1**	**92 699**	**1.4**	**193 235**	**1.2**
Adair	383	7.4	1 367	8.3	397	7.9	918	9.4	743	2.9	1 234	5.3
Andrew	608	4.9	2 547	6.4	661	4.2	2 149	7.6	805	2.2	1 639	5.1
Atchison	456	3.7	6 064	4.7	459	3.7	4 492	3.2	500	2.4	2 896	3.8
Audrain	800	3.6	6 962	4.0	677	4.6	3 723	3.6	997	2.1	3 209	3.3
Barry	820	5.6	1 928	9.7	452	8.9	360	7.1	1 448	2.0	2 212	3.0
Barton	643	4.0	4 474	4.8	531	5.0	1 842	7.2	822	2.3	2 138	4.7
Bates	772	5.1	5 283	4.1	676	5.8	2 561	5.7	1 184	1.9	2 431	3.0
Benton	420	7.5	1 545	10.2	496	7.2	553	8.8	780	2.7	1 146	6.8
Bollinger	604	4.6	1 743	7.9	317	9.6	575	7.8	754	2.2	1 069	5.8
Boone	650	5.9	2 465	5.1	633	5.7	1 744	13.2	1 162	2.2	1 664	7.1
Buchanan	496	5.3	2 445	5.9	584	4.3	1 742	7.2	703	2.8	1 521	4.7
Butler	521	5.8	5 845	3.7	445	7.3	2 937	4.7	735	2.3	3 118	3.7
Caldwell	504	6.5	1 717	7.6	533	5.9	1 272	6.9	791	2.6	1 443	5.1
Callaway	730	5.3	3 111	5.7	650	6.0	1 880	9.0	1 210	2.1	1 977	4.0
Camden	274	10.8	540	11.2	210	12.3	54	14.1	554	2.1	485	11.2
Cape Girardeau	900	3.8	3 075	5.0	767	5.4	1 604	6.4	1 152	2.0	2 076	5.6
Carroll	672	5.1	4 657	7.1	667	5.0	3 474	4.5	895	2.1	2 788	3.6
Carter	107	7.1	252	14.1	39	17.4	15	27.3	192	2.9	214	8.4
Cass	867	5.3	4 256	4.5	705	6.0	2 133	7.4	1 436	1.7	3 025	4.2
Cedar	506	6.3	925	13.6	227	13.3	135	22.0	766	2.7	830	6.2
Chariton	790	4.3	5 312	6.0	847	3.8	4 059	4.5	1 031	2.3	3 495	4.7
Christian	776	5.3	1 903	7.9	403	9.9	184	16.5	1 218	2.3	1 030	6.3
Clark	446	6.1	3 328	8.5	448	6.3	1 833	9.9	583	3.1	1 702	7.5
Clay	264	10.3	1 045	7.8	358	9.0	882	8.2	597	3.0	987	6.7
Clinton	404	6.8	2 224	5.8	392	6.5	1 229	7.1	689	1.7	1 507	5.2
Cole	760	4.2	1 423	8.2	291	11.3	401	15.1	1 007	1.6	975	6.8
Cooper	644	5.1	3 522	5.2	545	5.6	2 009	4.1	839	2.6	2 220	4.5
Crawford	424	6.5	851	10.2	172	17.1	66	19.5	637	2.7	641	8.2
Dade	556	6.2	2 086	5.8	446	7.5	718	6.9	752	3.2	1 063	5.1
Dallas	609	6.3	1 371	7.8	250	12.6	151	28.1	1 023	2.4	1 029	5.3
Daviess	531	6.3	2 100	7.2	518	6.5	1 686	8.3	741	4.0	1 610	5.1
De Kalb	453	6.8	2 242	11.4	486	6.3	1 350	8.9	679	3.2	1 453	5.5
Dent	478	6.5	1 245	12.7	294	11.5	137	45.4	650	3.2	636	9.3
Douglas	776	5.3	1 927	6.8	209	14.6	63	21.7	1 109	2.4	1 260	4.8

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 12
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

Farm production expenses [1] —Con.

Geographic area	Commercial fertilizer Farms Number	Farms Relative standard error of estimate (percent)	Value Total ($1,000)	Value Relative standard error of estimate (percent)	Agricultural chemicals Farms Number	Farms Relative standard error of estimate (percent)	Value Total ($1,000)	Value Relative standard error of estimate (percent)	Petroleum products Farms Number	Farms Relative standard error of estimate (percent)	Value Total ($1,000)	Value Relative standard error of estimate (percent)
Dunklin	507	2.8	8 007	2.9	481	3.1	9 335	3.2	528	2.0	4 544	4.1
Franklin	1 044	4.4	2 581	6.0	608	7.6	1 049	10.7	1 513	1.9	1 880	5.2
Gasconade	661	4.1	1 180	6.3	481	6.9	312	9.6	781	2.0	721	8.0
Gentry	425	6.1	2 134	6.4	456	6.7	1 594	5.9	598	2.9	1 374	5.1
Greene	1 179	4.5	2 474	8.6	602	7.6	306	7.9	1 929	1.9	1 913	6.6
Grundy	316	7.6	1 856	7.1	431	7.0	1 580	10.6	555	4.4	1 365	4.3
Harrison	549	6.4	2 803	5.1	480	7.4	1 873	8.4	800	2.7	2 192	8.3
Henry	613	5.4	2 994	7.2	535	5.9	1 558	7.9	897	2.7	1 861	3.8
Hickory	323	8.1	951	12.6	103	19.4	113	9.6	488	3.0	731	7.0
Holt	441	4.4	4 021	3.4	430	4.8	3 595	6.9	501	2.4	1 994	5.8
Howard	506	6.0	2 179	7.4	511	5.6	1 693	7.7	642	3.1	1 622	6.3
Howell	1 094	4.2	2 435	6.1	362	10.4	157	8.1	1 548	2.3	1 485	6.2
Iron	152	12.2	260	22.5	68	22.4	40	35.1	271	3.3	231	11.2
Jackson	397	8.7	1 361	9.3	361	8.3	1 272	12.0	650	3.6	1 223	3.8
Jasper	679	6.1	2 790	4.9	486	8.0	941	7.4	1 253	1.9	2 085	4.4
Jefferson	339	8.3	724	12.8	222	10.8	280	10.6	595	2.7	650	8.9
Johnson	977	4.3	3 558	5.0	647	5.9	1 695	7.2	1 473	1.9	2 328	3.5
Knox	463	5.0	2 519	5.9	364	8.2	1 668	8.3	559	3.5	1 614	5.2
Laclede	772	5.1	2 122	7.1	424	9.0	177	9.1	1 180	2.2	1 425	4.6
Lafayette	950	3.7	5 513	3.4	924	4.1	4 399	4.2	1 287	1.5	3 137	2.4
Lawrence	941	5.2	3 589	10.2	686	7.5	600	13.8	1 525	2.3	2 606	5.7
Lewis	439	6.2	3 498	5.0	422	7.0	2 102	7.7	598	3.3	1 797	3.9
Lincoln	626	5.6	3 611	4.7	626	6.0	1 730	5.3	944	2.5	2 024	6.2
Linn	584	5.1	2 646	6.1	458	6.5	1 423	7.2	833	1.9	1 981	4.0
Livingston	495	6.1	2 069	4.8	494	6.9	2 176	7.2	693	2.4	1 619	4.6
McDonald	420	8.1	682	9.5	253	11.4	104	19.5	953	2.1	2 431	3.2
Macon	657	5.6	2 570	4.9	644	6.5	1 800	9.1	1 050	2.9	1 952	4.3
Madison	270	9.2	507	16.4	30	37.3	18	13.8	366	3.1	366	9.3
Maries	536	5.6	1 203	7.4	154	17.1	110	13.8	774	2.1	730	6.6
Marion	519	5.1	3 158	6.1	478	5.7	1 777	5.1	632	3.7	1 613	4.4
Mercer	292	8.2	1 313	11.9	303	9.7	693	10.5	476	2.7	1 072	7.3
Miller	635	5.8	1 212	8.1	328	10.6	161	20.0	1 037	1.9	1 436	3.5
Mississippi	237	4.9	5 867	2.4	245	5.0	5 630	3.6	293	1.7	3 768	2.1
Moniteau	601	5.8	1 771	7.9	355	8.4	609	17.2	947	2.0	1 386	6.5
Monroe	585	4.9	4 026	5.1	484	6.3	2 332	6.8	775	2.9	2 072	4.2
Montgomery	554	4.3	3 465	4.5	566	4.0	1 872	3.6	693	2.1	1 562	3.9
Morgan	554	5.7	1 742	8.2	347	10.3	560	14.1	808	2.2	1 372	3.7
New Madrid	428	2.4	9 516	1.8	392	4.0	7 885	2.0	434	2.2	5 233	2.0
Newton	864	5.0	1 698	8.0	489	8.2	174	11.5	1 542	1.7	2 040	3.4
Nodaway	1 033	4.1	6 089	3.5	1 046	3.7	4 678	3.2	1 309	1.9	4 080	3.9
Oregon	521	6.3	1 865	12.0	322	10.6	164	14.6	777	1.9	976	6.5
Osage	816	4.1	2 167	6.6	625	6.2	618	8.3	1 141	1.7	1 599	3.8
Ozark	471	7.1	1 427	9.7	195	14.8	121	34.0	773	2.5	804	6.3
Pemiscot	286	7.6	4 629	3.0	336	3.1	7 626	3.6	348	1.6	3 948	3.3
Perry	668	4.6	2 480	5.0	655	4.8	1 500	9.2	829	2.7	1 651	5.2
Pettis	814	4.3	4 765	5.5	619	5.1	2 029	4.7	1 156	2.1	2 327	4.9
Phelps	485	6.3	906	13.1	185	14.4	86	27.6	643	3.4	685	11.7
Pike	694	4.2	4 541	3.0	603	4.7	2 077	5.0	900	2.8	2 313	3.4
Platte	492	5.6	2 203	5.6	533	4.9	1 866	3.7	661	2.4	1 372	4.3
Polk	993	4.5	2 732	4.6	663	7.4	520	9.6	1 470	2.5	1 904	4.2
Pulaski	273	9.0	427	12.3	120	19.0	80	48.9	464	2.7	437	14.0
Putnam	396	6.5	1 905	8.8	272	11.5	694	16.1	568	2.8	1 212	8.3
Ralls	434	4.6	3 511	3.8	387	5.7	1 723	4.4	560	2.1	1 636	4.2
Randolph	448	7.2	1 549	6.4	431	7.4	1 053	8.0	677	3.3	974	5.7
Ray	611	5.5	3 057	5.8	534	6.5	2 436	6.9	949	2.4	2 022	6.6
Reynolds	180	11.1	342	31.1	43	34.6	16	38.9	265	4.7	240	12.0
Ripley	338	6.2	1 298	8.5	158	14.4	411	14.6	452	2.4	721	10.7
St. Charles	592	3.8	3 072	3.7	571	4.3	2 561	5.2	756	1.6	2 019	3.8
St. Clair	503	6.7	2 022	6.1	258	11.1	538	10.8	696	2.5	1 200	6.1
Ste. Genevieve	447	5.6	1 262	6.7	203	11.0	550	12.5	592	2.6	870	5.2
St. Francois	423	6.8	634	16.4	111	22.0	136	26.6	650	2.5	643	6.1
St. Louis	182	7.5	434	10.1	196	9.8	477	22.0	276	4.2	705	5.5
Saline	694	4.1	5 938	3.0	737	4.3	4 594	4.2	900	2.4	4 025	2.7
Schuyler	277	9.8	917	13.6	270	10.3	494	14.0	471	2.9	967	6.6
Scotland	376	6.0	2 867	5.6	369	6.9	1 621	8.2	506	3.1	1 537	6.1
Scott	410	5.3	4 413	2.6	367	6.4	3 231	2.9	516	2.7	2 750	2.6
Shannon	283	8.0	595	12.9	103	20.8	23	26.9	409	2.9	321	10.8
Shelby	492	5.2	3 688	4.7	466	5.3	2 064	4.4	624	2.2	2 069	2.7
Stoddard	732	3.6	12 830	1.9	593	4.8	6 756	2.6	919	1.8	6 656	2.4
Stone	402	8.1	763	10.5	184	14.4	54	14.1	681	2.2	772	7.1
Sullivan	378	8.0	1 421	6.9	311	9.6	975	15.1	703	3.6	1 467	5.4
Taney	199	12.5	450	11.4	185	14.2	76	19.1	477	2.7	403	7.4
Texas	1 046	4.3	3 265	6.4	414	10.1	168	17.0	1 470	2.0	1 730	5.6
Vernon	791	5.2	4 130	4.3	638	6.6	2 083	11.8	1 189	2.1	2 493	4.5
Warren	344	5.0	1 863	7.1	328	6.8	1 122	6.5	508	1.9	998	5.2
Washington	257	9.5	300	13.1	77	22.3	12	32.3	420	3.9	398	8.7
Wayne	211	12.9	468	26.4	109	23.7	179	27.6	348	3.2	324	16.4
Webster	1 051	4.1	2 468	6.1	670	6.5	172	8.3	1 477	1.7	1 541	4.7
Worth	183	9.8	634	9.9	201	9.1	402	8.8	308	3.4	656	6.6
Wright	880	4.5	2 584	7.3	410	9.0	165	13.7	1 256	2.0	1 634	6.1

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 13
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

	Farm production expenses [1]—Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Missouri	**64 743**	**1.6**	**51 802**	**1.2**	**26 290**	**1.7**	**190 051**	**.8**	**9 246**	**2.6**	**20 629**	**3.3**
Adair	516	5.6	289	9.1	198	13.1	518	15.4	31	38.0	56	39.7
Andrew	679	4.0	575	7.8	226	10.9	1 112	4.0	69	23.4	139	10.4
Atchison	451	3.9	722	3.8	235	7.6	2 361	4.7	57	18.6	129	12.1
Audrain	762	3.9	835	4.1	249	10.2	2 611	5.1	84	19.7	139	12.6
Barry	1 046	4.3	1 041	3.8	387	9.4	2 166	3.8	170	15.8	294	18.9
Barton	580	5.6	443	8.8	272	11.1	1 248	4.4	91	22.7	240	49.7
Bates	816	4.8	483	4.8	338	10.0	2 197	6.3	118	19.0	169	17.2
Benton	543	5.9	341	8.9	199	14.5	864	7.1	60	30.2	109	19.5
Bollinger	494	6.5	227	10.2	194	14.0	712	17.5	58	25.5	76	13.4
Boone	908	3.8	495	4.4	313	10.7	1 803	5.6	116	19.2	315	11.2
Buchanan	492	6.3	273	8.0	240	11.7	1 249	13.3	35	30.9	118	10.4
Butler	391	7.6	849	5.4	271	9.5	2 160	4.1	64	23.2	166	8.3
Caldwell	546	6.4	357	8.4	212	13.4	920	11.8	89	24.2	126	28.7
Callaway	935	3.9	581	5.2	280	11.3	1 799	6.4	103	18.7	96	29.0
Camden	302	9.5	205	10.7	147	16.2	779	9.0	85	24.2	244	23.3
Cape Girardeau	885	4.1	579	5.2	312	10.0	2 376	5.8	60	25.9	251	16.3
Carroll	725	4.1	596	4.2	286	10.6	2 130	6.9	79	20.6	140	14.4
Carter	104	7.6	62	13.3	55	13.0	203	26.0	27	19.9	39	28.1
Cass	850	5.1	717	4.2	247	13.1	3 565	1.3	140	16.6	421	13.1
Cedar	598	4.9	279	8.6	150	15.6	590	11.0	42	36.8	71	40.2
Chariton	772	4.5	752	9.4	328	10.3	3 105	11.2	104	21.1	143	25.1
Christian	915	4.6	483	7.4	302	12.3	920	10.7	150	17.4	255	19.7
Clark	449	5.4	327	5.9	172	16.4	642	5.9	53	32.4	104	12.6
Clay	329	8.5	157	8.4	140	17.3	645	4.3	39	30.9	121	17.6
Clinton	505	5.5	295	6.8	178	12.4	1 475	2.3	44	26.3	115	18.0
Cole	702	5.0	311	9.7	206	12.9	658	7.9	44	33.3	99	61.6
Cooper	607	5.3	518	6.1	229	12.5	1 498	5.2	79	23.3	163	7.8
Crawford	351	9.5	146	12.2	151	15.0	463	12.4	74	23.3	131	17.6
Dade	515	6.5	345	5.9	220	12.8	699	6.4	82	22.6	108	16.4
Dallas	654	5.2	689	24.6	217	13.2	642	9.8	86	23.1	142	26.7
Daviess	476	7.3	309	7.9	189	13.5	726	15.2	82	21.6	168	16.3
De Kalb	467	6.5	485	6.5	163	15.2	996	12.7	64	23.9	109	18.4
Dent	356	9.0	160	13.3	234	11.7	559	23.4	83	22.7	134	39.4
Douglas	702	5.6	538	8.9	297	11.7	925	11.3	167	15.8	275	20.9
Dunklin	334	7.5	329	3.9	301	7.6	7 764	5.6	122	12.1	995	5.4
Franklin	1 023	4.3	758	4.4	368	10.6	2 602	8.2	81	24.6	123	23.5
Gasconade	533	6.6	246	7.5	179	16.4	468	7.0	63	29.2	99	10.4
Gentry	372	7.2	363	5.2	190	12.7	789	15.6	71	32.7	141	52.7
Greene	1 415	3.7	769	4.9	573	8.3	2 334	5.9	200	14.8	319	11.7
Grundy	407	7.5	287	7.7	171	15.1	1 131	4.7	32	31.5	44	7.8
Harrison	580	6.4	405	5.6	192	12.2	890	4.0	85	18.7	173	27.6
Henry	673	4.9	453	6.6	205	13.8	1 595	10.6	70	25.5	146	28.1
Hickory	348	7.8	191	8.5	101	18.3	493	4.8	58	30.6	84	27.5
Holt	395	5.5	469	5.7	194	9.5	1 648	8.1	47	27.9	141	36.3
Howard	472	5.9	354	9.2	213	14.1	1 401	5.7	102	21.6	204	43.0
Howell	1 004	5.0	547	5.5	341	10.3	1 364	5.9	204	14.7	223	17.5
Iron	127	13.4	57	13.7	95	18.0	278	6.8	32	36.8	35	57.2
Jackson	448	6.7	278	5.6	157	13.9	2 429	2.0	56	19.5	201	25.1
Jasper	830	5.4	746	4.2	245	12.5	4 655	3.6	115	19.6	407	5.2
Jefferson	328	7.9	199	12.5	135	14.7	659	6.0	40	36.2	20	45.8
Johnson	986	4.4	493	4.7	339	10.1	926	4.3	132	20.0	176	33.9
Knox	512	4.6	459	7.6	138	17.2	1 054	12.7	84	28.3	119	29.4
Laclede	766	5.2	634	4.6	284	10.0	1 316	5.2	90	21.0	191	21.2
Lafayette	965	3.7	933	5.1	440	8.2	3 355	4.2	118	17.9	179	6.4
Lawrence	1 176	3.9	1 469	3.2	457	8.6	5 413	4.0	168	18.5	552	19.4
Lewis	455	5.9	380	5.7	201	12.5	1 316	7.7	28	35.1	51	22.5
Lincoln	737	4.9	693	4.0	218	12.5	2 522	4.7	77	23.4	79	17.8
Linn	676	4.3	526	4.9	236	11.6	1 507	13.4	64	23.8	82	16.2
Livingston	393	8.9	282	8.9	202	13.5	1 103	5.6	102	25.8	120	40.5
McDonald	608	5.5	1 114	3.0	267	10.1	3 742	2.3	105	14.9	652	10.4
Macon	795	4.8	454	7.1	202	13.2	892	14.3	47	29.8	46	20.1
Madison	195	13.2	89	12.5	150	16.3	207	10.4	51	32.7	38	42.9
Maries	575	5.6	250	7.5	196	14.9	519	12.6	68	29.7	67	27.5
Marion	592	4.6	539	7.2	193	12.9	1 238	7.0	69	24.1	146	35.9
Mercer	324	8.7	288	6.7	118	19.0	1 529	3.0	44	37.0	79	46.7
Miller	622	5.5	550	5.3	229	11.7	776	9.4	135	17.5	324	32.6
Mississippi	220	5.6	612	2.0	196	6.9	7 670	1.9	73	14.2	448	9.7
Moniteau	636	5.3	415	5.9	189	13.2	836	2.9	69	23.7	72	11.7
Monroe	631	4.8	590	3.9	222	10.1	1 542	2.8	74	21.0	105	17.9
Montgomery	566	4.2	462	5.3	204	13.5	970	2.6	64	27.7	166	31.1
Morgan	585	5.4	528	4.4	196	13.1	2 021	13.0	59	24.3	264	18.4
New Madrid	303	7.0	469	4.0	317	6.0	6 213	2.0	136	13.3	473	4.0
Newton	1 141	3.8	1 131	3.4	348	9.5	4 101	2.2	161	14.3	360	11.9
Nodaway	997	3.9	1 174	4.3	442	8.3	2 224	9.0	126	19.4	151	11.8
Oregon	386	8.9	252	8.5	198	14.6	1 205	6.3	58	32.7	116	20.7
Osage	881	4.1	675	5.1	320	9.8	1 628	12.6	68	22.5	104	10.9
Ozark	466	7.6	317	9.0	198	13.4	958	4.2	74	21.5	82	16.8
Pemiscot	266	8.5	335	4.5	264	6.8	5 677	2.6	118	11.9	876	31.3
Perry	648	5.1	377	5.8	298	10.9	1 373	6.5	39	31.1	66	55.1

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 14
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

Geographic area	Electricity — Farms Number	Electricity — Farms Relative standard error of estimate (percent)	Electricity — Value Total ($1,000)	Electricity — Value Relative standard error of estimate (percent)	Hired farm labor — Farms Number	Hired farm labor — Farms Relative standard error of estimate (percent)	Hired farm labor — Value Total ($1,000)	Hired farm labor — Value Relative standard error of estimate (percent)	Contract labor — Farms Number	Contract labor — Farms Relative standard error of estimate (percent)	Contract labor — Value Total ($1,000)	Contract labor — Value Relative standard error of estimate (percent)
Pettis	893	4.0	637	4.6	282	11.7	1 745	5.4	130	17.1	220	13.0
Phelps	448	7.5	191	9.7	232	13.6	637	35.6	74	29.0	160	27.1
Pike	580	5.8	544	4.8	332	9.9	2 762	2.1	57	31.3	98	16.4
Platte	419	7.2	262	6.6	182	14.3	777	3.9	96	21.2	227	15.7
Polk	975	4.3	774	7.6	433	8.9	1 935	4.7	157	15.6	325	12.5
Pulaski	298	8.7	126	21.3	177	14.0	288	7.9	38	38.3	20	30.5
Putnam	418	7.2	357	10.5	203	12.7	1 086	9.2	67	28.4	217	39.0
Ralls	384	5.7	361	5.7	185	13.7	1 381	11.4	36	26.4	90	8.2
Randolph	447	6.5	233	10.7	168	15.3	528	10.9	24	23.2	72	7.1
Ray	606	5.5	316	5.7	206	12.1	1 947	9.5	117	19.8	315	37.0
Reynolds	159	12.9	53	36.8	126	15.9	105	12.3	19	59.3	18	74.3
Ripley	200	11.3	100	11.7	124	15.9	571	23.7	53	28.6	86	26.8
St. Charles	521	4.8	541	5.9	211	10.5	3 420	5.1	51	30.1	230	12.3
St. Clair	453	6.3	263	7.3	208	13.3	543	16.8	83	23.5	84	38.0
Ste. Genevieve	424	5.7	224	5.9	140	13.6	574	3.5	22	50.0	15	51.9
St. Francois	328	10.1	204	10.9	160	16.6	1 701	15.2	13	77.4	21	69.9
St. Louis	159	13.3	197	7.2	85	18.4	2 606	3.8	24	39.6	45	36.7
Saline	671	5.1	862	4.3	295	9.1	3 523	1.0	87	21.3	115	30.9
Schuyler	346	7.7	193	12.0	115	20.3	585	10.6	49	29.7	73	27.1
Scotland	382	7.0	369	7.0	181	12.5	772	8.7	37	36.0	88	34.9
Scott	429	5.0	423	4.2	193	9.6	3 472	2.7	49	22.9	129	6.1
Shannon	260	7.8	73	12.0	98	18.4	136	37.6	60	26.5	68	30.9
Shelby	466	5.2	571	4.8	193	11.2	1 169	3.5	76	23.4	139	16.0
Stoddard	696	4.3	1 339	4.6	414	7.3	6 416	2.7	105	20.2	744	56.2
Stone	471	6.0	351	7.5	172	15.2	889	6.3	71	22.9	151	15.7
Sullivan	499	6.0	332	7.5	212	13.9	757	6.4	52	31.0	94	44.6
Taney	230	12.6	126	14.0	95	21.4	295	11.1	62	29.1	85	34.7
Texas	993	4.7	744	5.0	420	9.2	2 291	7.3	208	13.9	299	13.7
Vernon	774	5.4	461	5.5	386	9.8	1 499	3.7	193	15.2	209	10.5
Warren	392	5.3	293	7.2	154	13.0	1 399	15.0	30	37.9	148	5.3
Washington	214	11.8	67	8.1	143	14.8	621	3.9	48	32.3	101	48.7
Wayne	174	12.8	71	22.6	83	23.3	167	10.6	22	51.5	26	70.8
Webster	1 012	4.1	753	5.1	403	9.4	1 578	7.8	254	12.7	678	6.8
Worth	237	7.6	159	10.3	77	18.6	198	14.2	19	46.5	34	41.5
Wright	970	3.5	828	3.3	443	8.4	2 024	12.9	155	17.6	261	11.9

Farm production expenses [1]—Con.

Geographic area	Repair and maintenance — Farms Number	Repair and maintenance — Farms Relative standard error of estimate (percent)	Repair and maintenance — Value Total ($1,000)	Repair and maintenance — Value Relative standard error of estimate (percent)	Customwork, machine hire, and rental of machinery and equipment — Farms Number	Customwork... — Farms Relative standard error of estimate (percent)	Customwork... — Value Total ($1,000)	Customwork... — Value Relative standard error of estimate (percent)	Interest expense — Farms Number	Interest expense — Farms Relative standard error of estimate (percent)	Interest expense — Value Total ($1,000)	Interest expense — Value Relative standard error of estimate (percent)
Missouri	**79 860**	**1.5**	**241 745**	**1.2**	**32 252**	**1.8**	**67 426**	**2.1**	**45 875**	**1.7**	**288 478**	**1.3**
Adair	593	5.4	1 419	7.9	240	11.7	370	20.8	384	7.8	1 735	10.3
Andrew	718	3.7	2 511	8.1	329	8.8	443	10.4	438	7.2	2 719	10.2
Atchison	435	4.4	3 295	3.9	300	7.1	1 285	9.0	362	6.0	4 058	5.8
Audrain	886	3.3	4 356	5.6	381	7.7	905	17.4	524	6.2	5 054	5.4
Barry	1 174	3.7	2 600	7.3	394	9.0	526	12.2	672	6.8	3 784	6.1
Barton	778	2.9	2 563	4.2	277	10.6	644	11.1	494	7.0	3 277	7.4
Bates	1 026	3.3	2 921	4.6	393	9.5	909	7.5	650	6.8	4 411	7.6
Benton	719	3.8	1 389	11.3	150	18.8	146	23.2	460	7.8	2 143	10.5
Bollinger	661	3.9	1 028	7.6	161	14.5	117	19.3	362	9.2	1 266	16.3
Boone	1 008	3.5	2 449	8.2	423	8.4	708	13.5	567	7.3	3 187	8.0
Buchanan	601	4.4	2 207	8.2	287	10.6	530	17.2	288	10.5	1 522	9.9
Butler	582	5.5	3 600	5.2	330	9.1	1 594	5.5	419	7.1	4 029	6.0
Caldwell	623	4.7	1 452	8.0	363	8.5	909	13.3	382	8.8	2 073	8.9
Callaway	1 098	3.0	2 644	4.3	386	9.6	655	14.6	649	6.2	3 375	7.3
Camden	418	5.8	599	8.5	91	19.5	172	13.8	279	10.2	1 167	16.5
Cape Girardeau	997	3.3	3 054	6.0	428	9.2	598	10.7	386	9.1	2 082	7.8
Carroll	794	3.6	3 121	4.1	457	7.8	1 049	9.1	511	6.7	4 194	5.1
Carter	162	4.4	266	12.4	62	13.0	36	17.3	81	9.3	206	15.3
Cass	1 160	3.5	3 189	4.9	462	9.1	1 004	14.5	660	6.2	4 211	6.3
Cedar	691	4.0	1 216	13.7	210	14.4	193	18.0	351	10.0	1 223	12.5
Chariton	844	3.9	3 423	4.5	547	7.2	1 756	11.6	573	6.8	4 670	6.1
Christian	1 005	3.9	1 560	7.1	352	11.1	348	16.0	426	9.4	1 744	14.2
Clark	566	3.5	2 199	7.5	250	11.3	534	16.0	357	9.0	2 451	14.3
Clay	513	4.9	1 197	7.2	210	13.7	443	7.7	244	12.2	1 316	11.9
Clinton	577	4.2	1 915	4.4	277	9.2	833	12.2	353	7.7	2 416	8.2
Cole	881	2.9	1 700	10.4	333	9.8	270	14.3	404	8.9	1 272	12.9
Cooper	741	3.8	2 503	5.3	335	9.6	839	12.6	478	7.2	3 811	6.9
Crawford	550	4.7	1 090	12.3	177	15.2	288	26.8	267	11.3	768	13.5
Dade	644	4.2	1 380	6.0	312	9.8	336	16.0	340	8.9	1 772	9.2
Dallas	821	4.4	1 392	7.4	260	11.9	332	17.5	542	7.6	2 045	8.8
Daviess	667	4.4	2 033	5.5	341	9.2	837	20.3	452	8.1	2 176	7.3
De Kalb	619	4.3	1 796	5.8	375	8.1	809	19.3	372	8.7	2 492	9.1
Dent	527	5.7	744	11.5	128	20.5	118	34.6	297	9.9	1 288	14.0
Douglas	953	3.8	1 752	8.4	332	11.1	392	27.4	591	6.9	2 574	9.4

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 15
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

[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 expense			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Dunklin	466	4.4	5 304	4.7	284	8.3	2 566	16.2	388	5.7	4 380	3.2
Franklin	1 231	3.3	2 676	7.0	366	11.0	287	9.8	466	9.4	1 724	9.6
Gasconade	662	4.3	990	8.1	220	12.9	172	16.9	282	11.7	741	18.3
Gentry	495	6.0	1 773	7.9	290	10.4	652	16.1	319	9.0	2 836	8.1
Greene	1 589	2.9	2 861	7.0	596	8.3	428	9.2	735	7.1	3 114	12.6
Grundy	476	6.2	1 663	4.5	226	12.6	373	11.7	293	11.2	2 258	9.7
Harrison	711	4.5	2 395	9.3	387	10.4	1 020	17.0	451	7.8	3 872	8.2
Henry	789	3.3	2 629	7.1	327	9.5	525	13.5	457	7.9	2 696	10.3
Hickory	425	5.0	867	15.0	151	16.0	203	15.6	284	10.2	1 291	11.3
Holt	442	4.5	2 684	5.3	276	9.6	678	8.8	308	7.3	3 612	6.7
Howard	606	3.8	2 083	5.4	298	11.0	606	20.5	377	8.9	2 652	9.0
Howell	1 353	3.3	2 006	6.0	454	10.0	279	12.0	786	6.5	3 209	6.3
Iron	217	7.8	360	13.1	59	24.6	36	35.6	94	17.9	367	22.1
Jackson	611	4.5	1 374	5.6	250	10.4	676	10.0	316	9.3	1 450	9.2
Jasper	1 001	4.2	2 504	5.4	374	9.6	649	10.1	485	8.3	3 183	6.6
Jefferson	482	5.1	825	9.8	52	22.8	49	40.8	144	15.6	570	18.9
Johnson	1 233	3.1	3 018	6.2	419	9.4	764	12.5	697	6.3	4 182	6.9
Knox	477	4.4	1 921	5.8	224	13.2	448	15.3	285	10.2	2 313	9.1
Laclede	1 065	3.0	1 973	5.4	188	14.4	267	12.3	578	6.2	3 172	9.0
Lafayette	1 127	2.7	4 259	4.6	618	6.4	1 156	13.9	679	6.2	5 819	5.8
Lawrence	1 368	3.0	3 714	7.0	442	9.4	654	22.2	770	6.3	4 993	7.9
Lewis	516	5.1	2 244	6.0	250	10.6	653	9.6	351	8.2	2 438	9.3
Lincoln	816	3.9	2 619	4.3	315	11.3	527	12.6	428	9.5	2 588	9.0
Linn	703	3.3	2 357	4.8	412	6.7	867	15.9	498	6.7	3 567	7.7
Livingston	592	4.7	1 851	6.1	265	12.0	689	13.2	387	9.3	2 990	11.1
McDonald	798	3.9	2 061	5.5	246	10.7	348	11.0	387	8.1	2 839	4.4
Macon	898	4.2	2 499	7.4	368	9.5	539	18.0	571	7.5	2 843	9.1
Madison	318	6.1	528	16.0	64	27.1	59	35.0	139	17.3	583	21.0
Maries	654	4.3	1 135	7.9	120	17.6	124	21.4	370	9.9	1 346	15.6
Marion	585	4.9	2 602	6.5	332	9.4	669	14.1	356	8.7	2 343	8.0
Mercer	389	5.8	1 036	10.8	192	15.2	265	21.1	241	11.5	2 222	10.3
Miller	868	3.3	1 832	7.7	302	10.9	225	10.4	499	7.3	2 768	7.9
Mississippi	267	3.8	4 097	1.9	163	8.4	1 697	4.2	219	4.8	4 572	4.5
Moniteau	825	3.3	1 616	6.8	340	9.5	759	31.7	495	7.1	2 420	8.7
Monroe	702	4.0	2 784	5.6	358	8.6	591	10.0	492	6.2	3 324	9.8
Montgomery	606	3.8	2 311	6.9	274	9.3	455	11.4	350	8.0	2 607	9.2
Morgan	718	4.0	1 736	8.5	238	12.5	528	24.9	405	9.0	2 053	11.4
New Madrid	399	3.0	6 032	2.8	251	8.7	2 665	14.1	311	6.2	5 149	6.2
Newton	1 333	3.0	2 448	5.4	448	8.3	592	10.7	738	5.9	4 340	5.4
Nodaway	1 161	3.2	4 831	3.6	690	6.3	2 085	11.2	774	5.5	5 835	4.8
Oregon	631	4.6	1 139	7.1	325	10.6	397	12.9	365	10.2	1 375	10.1
Osage	1 018	3.1	2 356	5.9	443	8.5	504	6.6	465	8.6	1 644	9.8
Ozark	610	5.3	1 044	7.8	188	14.8	288	19.7	368	9.5	1 768	8.1
Pemiscot	332	3.6	5 030	3.7	203	9.6	1 814	6.9	279	7.8	4 233	3.9
Perry	776	3.3	2 363	7.6	352	9.2	432	9.5	406	8.5	2 249	9.7
Pettis	980	3.6	3 007	5.2	387	9.4	808	15.6	559	7.5	3 960	8.4
Phelps	600	4.0	749	9.8	120	19.6	130	28.3	276	11.5	1 234	15.9
Pike	840	3.5	3 533	5.4	331	9.9	651	8.8	503	6.8	3 502	5.9
Platte	551	5.1	1 726	5.8	270	10.7	592	11.9	321	8.2	2 163	8.5
Polk	1 310	3.4	2 692	5.2	551	8.5	612	14.2	769	6.4	3 644	7.1
Pulaski	340	6.6	404	11.4	128	19.0	124	33.9	164	16.0	819	32.4
Putnam	466	5.5	1 396	8.9	192	14.0	529	26.0	395	7.4	2 573	9.9
Ralls	486	4.0	2 218	3.9	195	12.1	335	21.8	300	8.1	1 743	6.2
Randolph	568	5.0	1 347	8.5	318	10.5	323	11.3	309	9.9	1 637	9.8
Ray	826	3.6	2 322	4.6	482	8.0	847	16.7	483	7.3	3 024	6.6
Reynolds	227	8.3	233	26.4	53	28.8	66	31.8	82	23.9	287	31.7
Ripley	354	6.4	916	16.2	129	15.3	182	14.1	171	13.5	920	15.4
St. Charles	644	3.3	2 398	4.7	298	9.8	333	7.8	292	8.7	1 751	9.0
St. Clair	640	4.1	1 393	8.1	232	12.8	341	17.8	399	8.5	1 526	13.6
Ste. Genevieve	536	3.8	1 295	9.1	155	14.5	121	13.8	216	11.5	1 143	13.4
St. Francois	522	5.4	759	7.2	106	22.5	98	22.0	140	17.3	565	25.7
St. Louis	256	5.0	690	8.1	30	33.0	348	5.5	89	17.8	605	9.8
Saline	782	3.8	4 968	3.5	400	8.1	1 371	11.6	495	6.5	5 881	4.4
Schuyler	416	5.2	1 039	9.5	152	14.0	134	18.7	195	13.4	1 073	8.9
Scotland	452	4.9	2 136	8.1	232	12.0	430	15.5	309	8.6	2 737	7.7
Scott	452	4.5	3 134	3.3	179	8.6	867	11.3	274	7.3	3 091	4.6
Shannon	326	6.3	401	13.1	53	28.2	54	42.1	161	15.0	403	18.7
Shelby	570	3.8	2 645	5.8	314	8.3	577	11.7	401	6.7	3 512	6.8
Stoddard	820	3.1	7 324	4.9	403	8.1	2 275	8.7	586	5.4	6 875	5.0
Stone	550	5.1	893	7.8	214	14.7	214	16.7	241	10.7	1 360	11.3
Sullivan	568	4.9	1 649	6.3	226	13.3	553	15.6	386	8.1	2 856	7.9
Taney	414	5.3	451	14.4	61	27.5	81	31.6	186	13.9	579	16.2
Texas	1 288	3.2	2 328	5.7	379	10.3	575	16.4	847	5.8	3 189	9.0
Vernon	1 089	3.0	3 090	4.0	481	8.4	1 049	11.2	598	7.2	3 310	6.2
Warren	417	5.1	1 563	8.5	139	15.2	171	18.5	211	11.9	1 286	10.1
Washington	393	4.9	625	9.4	119	18.2	189	20.6	126	17.6	429	15.1
Wayne	278	7.4	476	30.0	101	26.5	67	37.6	88	20.5	322	35.3
Webster	1 208	3.3	2 133	5.2	322	11.0	312	13.8	754	6.1	2 910	6.7
Worth	263	7.1	780	14.2	176	10.8	380	12.5	179	10.3	1 293	17.1
Wright	1 055	3.5	2 038	6.0	331	11.3	495	11.5	667	6.4	3 234	7.1

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 16
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

	Farm production expenses [1]—Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Missouri	**18 723**	**2.0**	**119 876**	**1.5**	**94 428**	**1.4**	**79 052**	**1.5**	**88 932**	**1.5**	**319 456**	**1.0**
Adair	167	14.5	566	11.4	764	2.6	504	7.6	711	3.4	1 532	8.4
Andrew	204	11.4	2 059	7.7	789	2.6	857	5.9	782	2.6	2 587	4.4
Atchison	168	10.5	2 856	6.0	475	3.0	957	6.7	494	2.6	4 467	5.1
Audrain	211	12.2	2 100	12.0	983	2.1	1 083	5.3	946	2.7	4 577	4.0
Barry	342	11.5	806	13.2	1 490	1.9	738	3.9	1 363	2.5	6 285	2.8
Barton	242	12.9	866	8.9	857	1.5	807	3.5	832	2.0	2 500	5.7
Bates	299	9.2	1 713	10.4	1 156	2.3	1 040	3.7	1 049	3.5	4 069	3.5
Benton	160	14.5	468	20.3	820	2.1	568	8.6	761	3.0	1 938	7.3
Bollinger	88	20.7	495	24.2	757	2.2	354	7.4	729	2.7	1 142	5.0
Boone	224	13.1	1 044	8.5	1 236	1.4	1 288	5.0	1 150	2.1	3 364	4.5
Buchanan	183	12.6	1 015	8.5	702	2.9	743	5.0	693	2.9	2 176	6.3
Butler	187	10.9	2 453	11.0	687	3.3	588	4.6	653	4.0	3 241	4.9
Caldwell	133	16.0	804	9.8	808	2.1	726	5.7	724	3.6	1 941	4.9
Callaway	201	12.5	1 403	8.4	1 268	1.7	1 023	7.2	1 198	2.3	3 236	4.7
Camden	70	27.2	249	17.5	551	2.4	222	9.4	473	4.7	1 725	7.1
Cape Girardeau	167	15.7	1 494	4.7	1 139	2.2	878	7.0	1 076	2.6	3 532	6.7
Carroll	169	14.8	1 456	8.0	894	2.2	1 167	8.1	895	2.2	3 689	4.5
Carter	27	19.8	35	18.0	196	2.7	70	5.8	172	3.9	222	9.7
Cass	364	10.0	1 892	6.4	1 426	2.1	1 540	4.0	1 327	2.4	3 941	4.4
Cedar	204	14.7	518	26.2	763	2.9	328	6.7	727	3.3	1 530	9.1
Chariton	236	12.6	1 734	13.8	1 030	2.2	1 369	11.4	980	2.7	4 604	4.6
Christian	185	16.1	448	13.3	1 266	2.0	714	10.8	1 186	2.6	2 339	8.1
Clark	91	19.7	641	7.6	585	2.9	686	7.2	573	3.2	2 198	7.9
Clay	118	17.7	741	21.4	598	3.3	559	9.4	600	3.2	1 574	5.9
Clinton	209	11.4	1 293	10.6	697	1.6	826	4.7	644	2.8	2 828	5.2
Cole	155	15.8	300	22.3	1 012	1.6	744	5.4	904	2.7	1 669	11.4
Cooper	93	18.2	988	9.9	865	2.3	947	3.9	831	2.5	2 797	5.8
Crawford	83	19.5	137	22.6	664	2.1	364	7.1	597	3.9	1 148	11.0
Dade	141	15.6	549	10.6	819	2.3	659	15.2	735	3.7	1 901	5.6
Dallas	196	13.8	510	17.1	1 060	1.6	371	4.6	933	3.3	2 002	6.7
Daviess	149	13.4	938	20.5	814	2.3	768	5.3	765	3.4	2 159	6.9
De Kalb	174	14.8	878	12.1	709	2.9	749	6.5	691	3.2	2 349	9.4
Dent	136	17.4	386	22.6	665	2.6	367	8.8	629	3.8	1 287	11.9
Douglas	171	16.1	345	18.9	1 158	1.9	662	26.9	1 075	2.7	2 566	7.6
Dunklin	265	8.8	3 856	7.0	459	5.2	562	11.0	487	3.4	5 317	3.2
Franklin	281	11.4	1 461	8.7	1 531	1.5	1 137	5.2	1 409	2.6	2 784	6.2
Gasconade	152	16.5	364	10.9	791	2.0	370	6.3	743	2.9	1 026	5.5
Gentry	176	10.3	1 466	24.6	607	2.1	720	6.0	548	4.7	2 159	8.1
Greene	442	9.0	984	10.2	2 075	1.3	1 141	5.6	1 861	2.2	3 578	4.5
Grundy	98	21.2	834	12.9	590	3.3	753	4.9	565	4.1	1 645	5.3
Harrison	244	11.5	1 464	12.9	835	2.6	1 276	5.9	818	3.1	2 972	9.8
Henry	265	11.4	1 204	9.9	920	2.2	834	4.4	893	2.3	2 694	5.4
Hickory	123	18.1	285	26.1	524	2.0	364	4.2	484	3.6	1 177	7.3
Holt	119	13.0	2 411	10.5	473	3.5	673	7.2	478	2.8	2 999	8.2
Howard	106	20.7	633	21.2	673	2.0	727	6.2	648	2.5	2 389	5.0
Howell	196	14.9	333	15.5	1 686	1.6	494	5.7	1 500	2.5	2 871	6.2
Iron	50	30.5	70	28.6	272	3.2	174	38.9	226	6.1	349	8.7
Jackson	218	12.6	1 304	3.8	724	2.2	854	8.5	648	3.9	2 281	3.1
Jasper	292	11.0	1 136	13.2	1 261	2.0	828	5.0	1 128	3.1	4 835	2.6
Jefferson	88	18.4	354	14.5	627	2.0	536	12.6	529	4.0	765	10.3
Johnson	306	11.6	1 446	12.4	1 481	1.7	1 180	4.6	1 345	2.5	3 516	8.5
Knox	57	17.5	475	7.8	563	3.1	783	9.3	562	2.9	2 269	7.0
Laclede	210	13.3	573	15.4	1 234	1.7	566	4.8	1 127	2.7	2 940	5.0
Lafayette	256	9.4	2 202	6.4	1 272	1.5	1 363	3.4	1 234	2.1	5 684	3.5
Lawrence	328	11.4	949	12.9	1 594	1.6	1 091	5.1	1 559	2.1	17 031	1.0
Lewis	93	14.7	1 204	7.5	637	2.7	661	7.8	586	4.0	2 766	5.1
Lincoln	168	15.6	1 149	17.4	933	2.8	720	5.9	913	3.1	3 237	3.4
Linn	198	12.0	925	16.4	826	1.9	1 002	6.1	773	2.6	2 830	5.6
Livingston	112	17.3	1 468	18.4	663	3.5	846	7.9	641	3.9	2 135	6.8
McDonald	140	15.0	259	12.2	993	1.5	426	3.5	933	2.6	6 795	1.8
Macon	125	17.4	495	9.0	1 088	2.5	899	4.4	1 036	3.0	2 497	6.4
Madison	49	31.5	142	35.0	356	3.5	282	33.5	330	4.2	549	15.0
Maries	157	16.7	332	16.6	790	2.0	560	13.4	765	2.6	1 141	6.1
Marion	118	15.8	925	9.6	684	2.1	638	4.2	665	2.9	2 766	8.4
Mercer	99	23.0	636	8.7	459	3.3	627	9.1	458	3.3	1 112	7.1
Miller	141	14.9	341	18.7	1 058	1.5	540	6.4	931	2.8	3 011	3.7
Mississippi	140	7.8	3 793	3.6	278	2.5	688	3.9	281	3.1	8 228	1.1
Moniteau	119	17.8	386	14.7	979	1.4	677	5.4	893	2.4	2 667	4.7
Monroe	114	14.6	1 075	10.4	813	2.3	820	4.8	788	2.7	2 987	3.7
Montgomery	190	11.0	1 034	17.3	689	2.1	579	4.6	676	2.5	2 682	4.8
Morgan	168	17.1	277	13.1	838	1.8	579	11.9	810	2.4	2 571	6.7
New Madrid	189	9.3	4 035	4.6	364	5.4	703	7.0	432	2.7	5 274	4.2
Newton	279	11.2	729	14.2	1 614	1.3	961	8.5	1 407	2.6	4 691	3.2
Nodaway	396	8.8	4 147	8.0	1 293	2.1	2 017	4.3	1 310	2.0	5 714	4.9
Oregon	65	30.1	291	11.2	776	2.0	309	5.1	722	3.0	2 167	5.8
Osage	188	13.3	918	18.9	1 143	1.5	675	3.6	1 056	2.5	2 973	4.6
Ozark	135	17.5	361	15.1	786	2.0	380	4.2	701	3.7	1 504	7.2
Pemiscot	188	10.5	3 688	2.9	312	5.6	529	6.4	321	5.4	4 294	4.6
Perry	212	12.2	1 130	18.5	852	2.2	619	4.9	846	2.4	2 437	5.6

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 17
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

Geographic area	Farm production expenses [1] —Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Pettis	233	13.0	1 476	20.7	1 159	2.3	1 040	5.0	1 110	2.8	2 947	4.1
Phelps	93	23.8	187	12.7	698	2.0	323	6.9	636	3.3	833	9.7
Pike	81	12.3	762	6.2	942	2.1	717	4.4	899	2.6	3 291	3.5
Platte	213	11.4	1 081	5.3	642	3.2	744	6.8	623	3.6	2 211	3.7
Polk	359	9.9	919	8.0	1 534	1.9	943	10.3	1 488	2.3	4 387	4.6
Pulaski	67	25.0	188	32.0	486	1.8	210	8.9	429	4.2	773	11.0
Putnam	115	19.4	649	15.7	565	3.0	791	5.7	548	3.1	2 114	8.4
Ralls	114	16.2	1 070	10.4	539	3.0	604	8.9	543	2.7	2 148	6.1
Randolph	125	17.4	300	10.4	719	2.2	715	11.1	677	3.4	1 487	7.9
Ray	149	16.5	1 125	5.7	1 015	1.9	1 002	4.3	925	3.0	2 368	6.1
Reynolds	32	22.4	63	35.4	298	2.2	127	7.0	265	5.4	243	11.9
Ripley	77	22.5	301	27.5	421	3.9	199	6.5	395	4.7	967	15.5
St. Charles	175	12.5	1 728	16.0	711	2.6	841	5.3	680	2.9	3 038	5.1
St. Clair	179	14.4	606	10.7	709	2.4	496	5.7	678	3.2	1 822	6.5
Ste. Genevieve	102	18.0	360	10.4	594	2.6	435	6.2	580	3.0	1 230	4.7
St. Francois	101	23.5	135	23.1	672	2.2	395	7.1	615	3.0	1 366	12.5
St. Louis	74	18.7	643	29.1	255	5.5	264	10.2	266	3.2	1 936	1.9
Saline	162	14.6	1 794	6.3	869	2.7	1 033	6.8	904	2.4	5 261	3.2
Schuyler	68	21.0	326	24.3	472	3.0	550	8.3	450	4.0	1 318	7.4
Scotland	116	17.3	743	7.0	522	2.3	747	5.9	498	3.4	2 498	10.1
Scott	137	12.2	2 716	5.6	493	3.4	663	12.1	512	2.7	3 857	5.0
Shannon	48	31.2	45	34.1	424	1.8	140	9.7	395	3.5	572	12.8
Shelby	101	15.7	825	5.7	649	1.6	867	3.6	637	2.2	3 287	4.0
Stoddard	303	9.2	7 601	6.0	910	1.9	1 239	4.3	852	2.7	8 070	3.2
Stone	115	16.1	208	18.1	671	2.6	342	5.9	601	4.1	1 561	4.9
Sullivan	133	15.9	1 390	23.7	738	2.8	705	4.3	690	3.3	1 944	5.9
Taney	96	23.5	175	12.9	470	3.1	160	7.6	456	3.1	653	9.5
Texas	189	15.3	591	16.0	1 502	1.8	718	6.4	1 373	2.6	2 951	4.8
Vernon	290	10.7	1 423	11.6	1 238	1.7	933	4.2	1 174	2.3	3 446	5.1
Warren	105	13.7	1 026	25.4	493	3.1	553	7.7	493	2.2	1 926	9.1
Washington	76	26.1	100	36.9	459	2.5	250	8.0	417	4.0	1 304	4.1
Wayne	29	55.9	58	65.0	354	2.8	106	8.4	335	3.7	372	14.4
Webster	234	14.8	792	44.6	1 497	1.6	729	5.0	1 384	2.3	4 713	6.2
Worth	82	19.3	388	24.5	296	5.0	443	7.8	270	4.6	838	7.5
Wright	148	15.7	363	15.3	1 293	1.9	601	12.1	1 170	2.5	4 300	8.1

Geographic area	Net cash return from agricultural sales for the farm unit (see text) [1]				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Missouri	**98 082**	**1.4**	**889 365**	**1.2**	**86 617**	**1.4**	**19 228 832**	**1.3**	**74 240**	**1.4**	**12 158 832**	**1.1**
Adair	788	2.0	4 538	15.5	716	2.2	173 896	2.5	646	2.3	96 205	2.4
Andrew	830	1.6	11 050	6.2	770	1.5	179 227	1.5	718	1.6	130 846	1.4
Atchison	509	1.9	21 895	4.7	473	1.5	273 297	.9	455	1.5	226 386	.8
Audrain	1 035	1.4	18 649	3.9	942	1.3	311 761	1.0	871	1.3	255 117	.9
Barry	1 530	1.6	10 951	6.8	1 284	1.6	169 999	1.9	987	1.7	68 716	1.9
Barton	864	1.4	7 815	7.9	778	1.5	228 138	1.5	694	1.6	160 469	1.4
Bates	1 207	1.6	13 784	4.9	1 101	1.6	300 970	1.4	977	1.7	198 096	1.2
Benton	835	1.7	4 102	13.7	707	1.7	118 305	2.0	616	1.8	67 254	1.9
Bollinger	785	1.5	2 011	21.5	718	1.7	120 164	2.1	636	1.8	67 953	2.2
Boone	1 268	1.1	5 642	11.0	1 131	1.1	188 376	1.3	949	1.1	117 322	1.3
Buchanan	754	1.8	7 578	9.3	700	1.4	141 785	1.4	655	1.4	110 341	1.4
Butler	735	2.3	12 499	7.0	670	1.8	220 706	1.2	595	1.9	192 873	1.2
Caldwell	820	1.9	5 535	13.1	764	2.1	170 663	2.3	685	2.1	102 795	2.1
Callaway	1 301	1.3	6 890	10.7	1 134	1.3	211 668	1.4	962	1.4	131 429	1.4
Camden	567	1.4	(D)	(D)	467	1.4	63 421	2.0	344	1.7	20 866	2.2
Cape Girardeau	1 203	1.4	9 408	12.1	1 103	1.2	195 310	1.2	985	1.3	128 205	1.2
Carroll	919	1.7	20 789	4.1	864	1.8	310 455	1.4	803	1.9	228 553	1.3
Carter	197	2.6	(D)	(D)	165	2.2	21 035	3.5	106	3.1	6 088	4.6
Cass	1 517	1.3	9 177	8.4	1 344	1.3	235 144	1.3	1 180	1.3	160 587	1.2
Cedar	821	1.6	2 423	41.2	700	1.6	97 342	2.3	589	1.7	43 125	2.3
Chariton	1 075	1.6	21 814	6.3	1 003	1.4	331 534	1.2	933	1.4	241 827	1.1
Christian	1 279	1.9	3 594	15.6	1 068	1.7	121 946	2.2	801	1.9	47 651	2.1
Clark	610	2.2	9 567	10.8	571	1.9	180 691	1.6	548	2.0	129 379	1.5
Clay	654	1.4	3 404	19.7	548	1.3	90 414	1.8	467	1.5	61 748	1.5
Clinton	714	1.2	6 367	8.9	650	1.1	153 377	1.2	596	1.1	98 085	1.1
Cole	1 041	1.1	2 061	35.3	928	1.3	109 130	1.7	812	1.4	53 875	1.8
Cooper	892	1.7	11 697	6.1	813	1.7	221 894	1.4	735	1.7	146 990	1.4
Crawford	680	1.5	(D)	(D)	577	1.4	80 861	1.8	446	1.5	27 264	1.8
Dade	850	1.8	5 080	10.6	735	1.8	153 961	2.0	621	1.9	80 419	1.9
Dallas	1 089	1.2	4 200	16.4	933	1.2	121 073	1.4	767	1.3	52 381	1.4
Daviess	831	2.0	9 009	5.3	765	2.0	203 533	2.1	696	2.0	136 971	1.8
De Kalb	725	2.5	3 822	14.6	661	2.2	162 357	2.2	588	2.3	91 923	2.1
Dent	702	1.3	1 593	74.5	604	1.4	97 424	2.0	446	1.6	24 651	1.9
Douglas	1 187	1.4	3 224	23.3	977	1.5	131 362	1.7	714	1.6	38 131	1.9

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 18
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

| Geographic area | Net cash return from agricultural sales for the farm unit (see text)[1] | | | | Total cropland | | | | Harvested cropland | | | |
| | Farms | | Value | | Farms | | Acres | | Farms | | Acres | |
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Dunklin	537	1.6	23 640	5.3	522	1.4	283 671	.7	504	1.5	256 649	.7
Franklin	1 585	1.0	3 621	17.3	1 444	.9	183 774	1.3	1 263	1.0	102 051	1.2
Gasconade	816	1.1	2 353	15.8	757	1.1	98 011	1.5	685	1.1	50 387	1.6
Gentry	624	1.5	5 553	12.5	570	1.8	192 869	1.7	515	1.8	110 432	1.5
Greene	2 101	1.2	4 079	25.4	1 765	1.2	182 792	1.4	1 344	1.3	82 361	1.6
Grundy	618	2.2	6 880	10.0	560	1.9	175 233	1.8	507	1.9	117 333	1.7
Harrison	860	2.3	7 174	20.6	797	2.4	274 411	2.2	712	2.4	155 730	2.0
Henry	952	1.7	8 873	8.3	846	1.7	232 630	1.8	762	1.8	141 813	1.7
Hickory	532	1.5	1 368	32.3	480	1.5	78 583	1.6	426	1.6	39 339	1.5
Holt	518	1.6	12 536	4.7	483	1.6	201 576	1.0	464	1.6	175 493	.9
Howard	687	1.6	6 036	10.3	640	1.7	169 317	1.7	586	1.7	104 282	1.5
Howell	1 707	1.5	4 299	16.2	1 369	1.5	163 428	1.8	960	1.6	48 781	1.8
Iron	284	1.9	(D)	(D)	249	1.4	30 846	2.7	195	1.8	9 137	2.7
Jackson	757	1.2	6 447	7.7	648	1.3	105 777	1.2	553	1.4	76 637	1.1
Jasper	1 317	1.3	8 799	8.9	1 138	1.4	202 661	1.7	945	1.5	114 891	1.7
Jefferson	648	1.2	1 856	21.3	562	1.2	60 097	1.8	471	1.4	35 177	2.0
Johnson	1 526	1.5	11 106	9.2	1 390	1.4	264 646	1.4	1 240	1.4	159 621	1.3
Knox	586	2.1	5 866	11.7	542	1.8	203 576	1.6	501	1.9	122 974	1.4
Laclede	1 273	1.3	3 658	19.1	1 071	1.3	161 295	1.6	796	1.4	55 505	1.5
Lafayette	1 312	1.1	23 043	3.4	1 179	1.1	290 527	.9	1 102	1.2	231 421	.9
Lawrence	1 668	1.3	8 263	15.2	1 434	1.4	236 747	1.8	1 174	1.5	110 058	1.8
Lewis	662	2.0	7 337	11.8	613	1.9	184 749	1.6	560	2.0	129 881	1.4
Lincoln	1 014	1.4	10 173	8.7	916	1.3	189 065	1.3	825	1.4	134 540	1.2
Linn	848	1.6	7 858	10.9	780	1.6	255 113	1.5	707	1.7	144 924	1.4
Livingston	717	2.0	9 524	8.8	673	1.8	212 552	1.6	622	1.9	158 053	1.4
McDonald	1 016	1.1	7 071	6.9	822	1.2	90 395	1.6	605	1.4	35 782	1.6
Macon	1 127	2.1	7 027	8.2	1 019	1.8	260 353	1.8	901	1.8	154 933	1.6
Madison	380	1.9	1 323	44.5	342	1.4	46 468	2.0	258	1.7	18 358	2.2
Maries	813	1.3	1 445	30.0	690	1.4	102 625	1.9	573	1.6	40 458	1.9
Marion	702	1.8	7 586	10.6	637	1.7	161 919	1.4	585	1.7	119 603	1.4
Mercer	485	2.2	6 173	12.0	446	2.5	141 767	2.7	390	2.6	71 712	2.3
Miller	1 080	1.2	6 864	7.6	914	1.2	120 250	1.6	758	1.4	44 941	1.7
Mississippi	294	1.7	23 601	2.2	276	1.5	258 458	.5	273	1.5	248 000	.5
Moniteau	989	1.2	6 313	13.8	866	1.2	145 673	1.5	760	1.3	78 534	1.4
Monroe	833	1.9	9 889	8.5	759	1.9	227 458	1.5	690	1.9	164 607	1.3
Montgomery	717	1.2	9 640	6.3	643	1.1	161 793	1.0	600	1.1	124 926	1.0
Morgan	849	1.7	8 545	7.8	736	1.6	109 780	1.8	648	1.6	62 002	1.6
New Madrid	442	1.7	35 944	2.9	431	1.5	363 984	.6	424	1.5	344 574	.6
Newton	1 645	1.0	6 248	10.9	1 370	1.1	158 966	1.4	1 072	1.2	70 915	1.4
Nodaway	1 348	1.6	19 069	5.2	1 233	1.6	407 516	1.2	1 159	1.6	282 646	1.1
Oregon	791	1.7	2 552	24.0	617	1.8	97 498	2.1	419	2.1	24 260	2.2
Osage	1 171	1.1	8 739	6.6	1 010	1.1	137 396	1.4	915	1.2	69 273	1.3
Ozark	801	1.7	2 723	20.1	623	1.8	91 816	2.1	412	2.0	18 891	1.9
Pemiscot	348	1.6	27 166	2.9	344	1.6	285 515	.7	343	1.6	273 447	.7
Perry	897	1.3	7 357	10.0	801	1.2	143 984	1.2	707	1.3	95 298	1.3
Pettis	1 225	1.6	12 444	7.0	1 095	1.3	266 325	1.2	984	1.4	182 868	1.2
Phelps	716	1.5	(D)	(D)	605	1.3	82 523	1.7	463	1.4	25 729	1.5
Pike	968	1.5	14 172	4.9	860	1.5	221 337	1.4	779	1.6	158 198	1.2
Platte	703	1.1	5 997	8.9	641	1.3	146 241	1.1	584	1.3	108 792	1.0
Polk	1 600	1.3	7 047	10.2	1 382	1.3	205 630	1.5	1 138	1.3	88 957	1.4
Pulaski	494	1.2	587	67.8	424	1.4	59 118	1.7	291	1.7	17 522	1.9
Putnam	582	2.3	3 855	24.2	517	2.2	142 337	2.4	472	2.3	71 144	2.2
Ralls	572	1.6	9 366	5.2	516	1.7	174 442	1.3	477	1.8	135 344	1.3
Randolph	746	1.4	5 091	10.7	660	1.7	146 775	1.6	583	1.7	87 237	1.5
Ray	1 045	1.4	11 830	6.2	956	1.3	214 785	1.1	856	1.3	152 950	1.0
Reynolds	298	2.2	(D)	(D)	258	1.4	33 055	2.1	190	1.8	10 082	2.4
Ripley	465	1.7	863	89.6	390	1.8	72 729	2.4	276	2.2	31 339	2.3
St. Charles	782	.9	12 811	3.8	722	.9	163 860	.8	661	1.0	139 976	.8
St. Clair	726	1.8	2 970	22.6	636	1.9	153 908	2.3	551	2.1	87 954	2.2
Ste. Genevieve	634	1.2	3 450	13.6	576	1.2	91 933	1.6	521	1.3	51 649	1.5
St. Francois	693	1.1	2 806	12.8	619	.9	65 468	1.3	506	1.1	28 129	1.4
St. Louis	294	1.3	4 859	20.4	249	1.3	36 844	2.1	222	1.4	26 684	2.2
Saline	939	1.9	27 509	3.9	878	1.7	336 992	1.2	821	1.7	273 525	1.1
Schuyler	488	1.9	1 481	31.7	450	2.0	108 066	2.1	413	2.0	57 966	2.0
Scotland	530	1.9	6 535	9.2	492	1.9	165 126	1.6	467	1.9	105 651	1.5
Scott	546	1.4	13 942	5.4	507	1.5	203 640	.8	451	1.6	181 560	.8
Shannon	424	1.8	844	30.5	363	1.9	57 361	2.8	258	2.3	15 924	3.2
Shelby	655	1.5	11 078	4.5	591	1.6	203 636	1.3	552	1.7	153 284	1.3
Stoddard	953	1.1	29 119	6.7	901	1.3	411 029	.7	813	1.4	364 240	.6
Stone	697	1.6	2 220	14.8	547	1.6	67 024	2.0	374	1.9	19 410	2.2
Sullivan	779	1.8	3 835	23.0	686	1.9	215 857	1.8	595	1.9	97 425	1.6
Taney	494	1.5	524	74.7	373	1.5	52 528	1.9	242	1.8	11 823	1.7
Texas	1 535	1.5	6 000	12.6	1 311	1.3	205 189	1.6	1 017	1.4	70 468	1.6
Vernon	1 249	1.6	5 864	16.0	1 091	1.7	283 672	1.8	954	1.8	177 555	1.6
Warren	526	1.2	5 568	11.8	453	1.2	86 382	1.4	394	1.3	63 326	1.4
Washington	476	1.4	1 715	15.9	419	1.4	51 593	2.1	317	1.7	15 633	2.5
Wayne	361	2.3	(D)	(D)	312	1.7	40 845	2.4	229	2.2	17 187	2.8
Webster	1 540	1.2	6 895	14.6	1 328	1.2	163 959	1.3	1 087	1.3	66 698	1.3
Worth	326	2.0	3 101	11.2	305	1.7	98 179	2.0	279	1.8	47 562	2.1
Wright	1 330	1.5	8 597	10.6	1 133	1.5	161 665	1.7	889	1.6	59 890	1.5

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 19
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

Geographic area	Irrigated land — Farms Number	Farms Relative standard error of estimate (percent)	Acres Number	Acres Relative standard error of estimate (percent)	Cattle and calves inventory — Farms Number	Farms Relative standard error of estimate (percent)	Total Number	Total Relative standard error of estimate (percent)	Beef cows inventory — Farms Number	Farms Relative standard error of estimate (percent)	Total Number	Total Relative standard error of estimate (percent)
Missouri	**2 914**	**1.1**	**708 864**	**.4**	**68 413**	**1.4**	**4 165 357**	**1.4**	**58 024**	**1.4**	**1 876 845**	**1.5**
Adair	14	6.8	305	4.2	520	2.4	35 034	2.4	469	2.5	19 728	2.5
Andrew	14	7.6	937	8.8	476	1.7	24 923	1.6	381	1.8	9 814	2.0
Atchison	20	2.1	5 275	1.3	254	1.7	20 852	1.5	206	1.9	9 260	2.0
Audrain	72	1.9	17 416	1.3	562	1.4	38 605	1.1	452	1.5	12 282	1.5
Barry	16	5.7	169	9.0	1 296	1.6	78 095	1.8	1 090	1.6	33 724	2.0
Barton	25	2.4	7 151	.5	619	1.5	43 270	1.5	548	1.6	20 662	1.7
Bates	12	7.6	1 078	.4	908	1.6	87 241	1.3	783	1.7	33 608	1.8
Benton	6	10.4	275	8.4	670	1.7	39 718	1.9	580	1.8	19 234	2.1
Bollinger	29	4.8	5 784	3.2	580	1.9	26 559	2.3	522	2.0	13 952	2.4
Boone	50	3.4	4 628	4.7	775	1.3	36 060	1.5	686	1.4	17 189	1.8
Buchanan	10	9.3	185	5.8	357	1.8	15 846	1.8	290	1.9	6 810	2.1
Butler	265	2.2	93 698	1.0	260	2.0	8 921	2.8	235	2.1	4 340	2.9
Caldwell	7	11.8	33	14.6	497	2.2	27 253	2.2	452	2.4	14 134	2.3
Callaway	33	3.8	3 430	4.7	877	1.4	44 762	1.6	791	1.4	21 430	1.8
Camden	6	12.0	71	12.4	473	1.4	24 397	1.6	387	1.6	11 518	1.8
Cape Girardeau	35	3.4	5 418	1.2	844	1.3	44 195	1.4	694	1.4	17 094	1.6
Carroll	19	3.7	2 069	.5	483	2.0	30 044	1.8	406	2.1	13 448	2.1
Carter	2	21.8	(D)	(D)	155	2.3	6 868	3.7	133	2.7	(D)	(D)
Cass	46	3.6	4 294	2.0	987	1.4	49 920	1.6	879	1.4	25 380	1.7
Cedar	9	10.6	27	10.7	687	1.6	44 552	2.1	619	1.7	22 186	2.3
Chariton	19	4.8	2 559	1.9	592	1.5	40 771	1.3	520	1.6	16 576	1.6
Christian	13	8.2	225	12.6	1 074	1.8	58 062	2.1	856	1.9	22 812	2.5
Clark	9	6.2	1 745	1.7	349	2.2	16 735	2.4	305	2.2	9 245	2.5
Clay	12	8.1	229	1.5	365	1.7	21 898	1.5	300	1.9	9 276	2.0
Clinton	2	14.8	(D)	(D)	434	1.2	31 201	1.1	358	1.4	13 193	1.5
Cole	18	5.6	372	6.3	848	1.3	37 840	1.7	775	1.4	18 904	1.8
Cooper	9	8.7	425	.6	586	1.8	46 305	1.6	515	1.9	19 009	2.0
Crawford	6	11.2	41	26.4	551	1.4	28 236	1.8	507	1.4	16 004	1.8
Dade	12	6.9	(D)	(D)	725	1.8	62 895	1.9	653	1.9	33 376	2.0
Dallas	6	10.7	108	10.9	909	1.2	54 042	1.3	671	1.3	20 490	1.5
Daviess	6	11.7	83	14.0	462	2.1	27 335	1.8	392	2.1	13 618	1.8
De Kalb	6	12.9	309	15.5	466	2.1	30 967	2.1	384	2.3	13 454	2.4
Dent	6	13.0	(D)	(D)	593	1.4	35 000	1.9	540	1.5	18 505	1.9
Douglas	10	10.3	68	14.8	1 045	1.4	65 290	1.6	773	1.4	23 875	1.8
Dunklin	184	1.6	47 280	.5	51	4.4	2 051	2.7	36	5.5	487	5.2
Franklin	30	4.5	510	1.9	1 196	1.0	49 269	1.3	1 050	1.1	22 857	1.6
Gasconade	11	8.6	289	11.2	620	1.2	28 323	1.5	570	1.3	14 279	1.6
Gentry	3	10.7	4	12.7	420	1.8	31 631	1.5	378	1.8	16 661	1.7
Greene	47	3.8	463	3.7	1 689	1.2	87 806	1.3	1 379	1.3	36 888	1.6
Grundy	4	7.0	(D)	(D)	348	2.0	21 655	1.8	291	2.2	11 217	1.9
Harrison	13	8.3	1 329	14.5	569	2.4	45 420	2.4	537	2.5	25 078	2.5
Henry	6	8.3	675	11.8	710	1.8	58 446	1.8	629	1.8	26 860	2.1
Hickory	3	8.4	(D)	(D)	451	1.5	35 549	1.5	396	1.6	14 474	2.0
Holt	30	2.6	8 721	1.5	190	2.4	11 089	2.1	157	2.5	(D)	(D)
Howard	13	7.0	2 068	3.2	407	2.0	26 014	2.2	362	2.2	12 680	2.4
Howell	9	10.7	17	11.6	1 457	1.4	86 188	1.7	1 114	1.6	33 559	2.0
Iron	2	25.0	(D)	(D)	233	1.5	10 781	2.3	209	1.7	4 801	2.3
Jackson	31	4.2	833	1.1	403	1.7	17 347	2.1	327	1.9	6 716	2.6
Jasper	23	4.5	2 929	.9	1 031	1.4	54 093	1.7	897	1.4	25 101	1.8
Jefferson	17	5.6	172	6.5	422	1.4	16 258	1.7	362	1.6	7 015	1.9
Johnson	17	6.3	645	4.8	1 104	1.4	69 565	1.5	999	1.5	33 780	1.8
Knox	6	7.7	(D)	(D)	354	2.1	26 136	1.8	315	2.1	13 011	1.8
Laclede	10	8.0	45	11.8	1 081	1.3	67 381	1.4	837	1.4	25 603	1.9
Lafayette	20	5.0	2 757	.5	800	1.2	48 525	1.0	683	1.3	18 530	1.3
Lawrence	24	5.1	762	5.2	1 415	1.4	99 103	1.5	1 152	1.5	40 352	1.9
Lewis	8	10.3	656	2.1	359	2.2	23 294	1.7	301	2.3	11 023	1.9
Lincoln	27	5.0	974	8.7	567	1.5	29 109	1.4	453	1.6	10 313	1.8
Linn	5	8.8	175	9.1	552	1.7	46 645	1.7	477	1.9	21 705	1.9
Livingston	10	7.6	631	2.5	363	2.1	18 633	1.9	306	2.1	8 832	1.9
McDonald	12	8.5	405	9.3	849	1.2	45 492	1.4	725	1.3	22 867	1.5
Macon	8	9.6	122	8.8	717	1.8	43 292	2.0	643	1.9	22 385	2.1
Madison	4	16.9	31	18.2	313	1.5	18 034	1.9	278	1.6	8 944	2.0
Maries	9	7.9	83	2.6	686	1.5	43 016	1.7	618	1.5	21 320	1.9
Marion	19	4.1	2 521	1.9	412	1.8	22 757	1.7	340	1.9	9 727	1.9
Mercer	1	34.2	(D)	(D)	324	2.5	24 918	3.0	310	2.6	13 964	2.9
Miller	14	5.7	222	3.6	917	1.2	49 413	1.5	812	1.3	25 559	1.6
Mississippi	115	1.7	58 044	.6	30	4.8	2 376	1.5	25	5.4	(D)	(D)
Moniteau	22	5.6	73	3.5	800	1.2	49 103	1.5	703	1.3	22 925	1.6
Monroe	16	6.4	1 054	2.9	522	2.1	34 949	1.8	459	2.2	15 446	2.1
Montgomery	11	4.7	1 345	3.7	391	1.3	19 317	1.4	353	1.4	9 207	1.6
Morgan	9	6.6	53	6.9	660	1.6	40 787	1.7	536	1.7	19 160	1.8
New Madrid	245	1.4	117 629	.6	19	6.5	620	5.2	14	7.8	373	5.9
Newton	31	4.7	379	6.6	1 367	1.1	65 046	1.4	1 188	1.1	31 541	1.5
Nodaway	11	7.6	202	8.1	886	1.5	65 839	1.3	810	1.5	34 956	1.4
Oregon	12	7.9	147	14.2	631	1.8	50 242	1.8	528	1.8	22 093	2.0
Osage	17	5.4	916	5.2	970	1.1	64 803	1.2	899	1.2	32 748	1.3
Ozark	7	10.8	185	10.4	709	1.7	52 997	1.8	544	1.7	20 610	2.0
Pemiscot	90	1.3	33 788	.4	9	8.1	1 023	3.5	6	7.7	309	6.4
Perry	8	9.7	122	41.8	674	1.3	37 302	1.4	523	1.4	13 586	1.7

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 20
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

Geographic area	Irrigated land				Livestock and poultry							
	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
					Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Pettis	19	4.9	565	8.7	826	1.3	49 840	1.1	720	1.3	21 994	1.4
Phelps	10	8.0	211	9.9	585	1.5	30 662	1.8	527	1.6	17 053	2.1
Pike	12	6.7	1 190	7.0	569	1.7	37 339	1.5	477	1.8	15 960	1.8
Platte	13	6.9	602	4.3	354	1.3	14 686	1.6	313	1.4	8 055	1.6
Polk	20	6.2	774	10.6	1 365	1.3	97 478	1.3	1 062	1.4	38 038	1.6
Pulaski	8	9.9	53	17.2	412	1.3	22 760	1.7	359	1.5	11 495	1.9
Putnam	3	16.6	53	16.9	440	2.3	46 899	2.2	391	2.4	22 298	2.6
Ralls	8	7.9	771	.1	322	1.8	18 980	1.6	293	1.9	9 243	1.8
Randolph	6	5.9	408	4.4	450	1.8	23 444	1.9	394	1.8	10 383	2.2
Ray	23	4.0	3 141	.8	598	1.5	31 478	1.6	546	1.6	13 918	2.0
Reynolds	2	25.2	(D)	(D)	240	1.5	9 815	2.0	212	1.7	5 248	2.0
Ripley	31	4.9	6 060	2.5	343	2.0	18 633	2.4	325	2.0	9 919	2.5
St. Charles	43	3.2	2 305	.9	317	1.4	12 422	1.4	259	1.6	4 409	2.0
St. Clair	10	9.7	450	11.6	585	1.9	47 178	2.2	542	2.0	25 406	2.2
Ste. Genevieve	3	18.4	3	18.4	485	1.4	27 252	1.7	427	1.5	12 741	1.8
St. Francois	12	7.5	265	11.1	522	1.0	23 022	1.3	467	1.1	11 333	1.5
St. Louis	64	2.9	997	3.4	67	3.7	2 112	4.9	54	4.1	(D)	(D)
Saline	14	7.2	1 294	3.9	498	1.8	37 008	1.2	424	1.9	15 456	1.5
Schuyler	6	14.1	(D)	(D)	344	2.1	23 551	2.3	299	2.1	12 301	2.4
Scotland	4	6.6	(D)	(D)	332	2.1	22 854	2.2	247	2.1	8 561	2.2
Scott	112	1.9	47 030	.7	227	1.9	12 065	1.9	177	2.1	3 161	2.8
Shannon	3	15.9	5	19.0	358	1.9	17 434	2.8	323	2.0	9 840	2.8
Shelby	17	4.4	1 928	5.5	357	1.8	28 335	1.5	309	1.9	12 024	1.8
Stoddard	325	1.2	184 512	.5	310	1.9	11 027	2.1	269	2.0	4 873	2.5
Stone	11	7.9	109	15.3	618	1.6	35 417	1.9	490	1.6	13 497	2.2
Sullivan	4	16.3	319	26.2	580	1.8	51 309	1.7	540	1.9	29 001	1.8
Taney	9	10.0	39	5.0	412	1.4	23 827	1.6	350	1.5	12 509	1.6
Texas	19	7.8	407	1.5	1 318	1.3	90 836	1.4	1 017	1.4	38 145	1.5
Vernon	16	5.4	2 242	4.3	909	1.7	60 813	1.9	820	1.8	30 669	2.1
Warren	16	5.9	968	4.8	319	1.4	12 148	1.8	282	1.5	(D)	(D)
Washington	3	18.0	10	17.3	403	1.4	19 230	2.3	355	1.5	9 157	2.4
Wayne	4	15.8	11	15.3	270	1.8	11 379	2.4	240	2.0	6 004	2.4
Webster	13	7.2	211	9.4	1 320	1.1	72 354	1.1	874	1.2	21 822	1.6
Worth	–	–	–	–	228	2.1	18 331	2.0	214	2.2	9 920	2.0
Wright	13	7.8	221	9.1	1 173	1.5	78 110	1.4	743	1.6	22 850	1.9

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)
Missouri	**5 626**	**1.6**	**215 920**	**1.1**	**11 894**	**1.5**	**2 908 509**	**.8**	**2 505**	**1.5**	**111 362**	**1.8**
Adair	27	5.8	539	6.1	99	3.6	12 263	3.8	40	5.4	2 008	6.8
Andrew	45	3.9	2 107	2.3	169	2.5	37 194	2.1	37	4.6	1 479	7.9
Atchison	6	15.1	82	15.7	71	3.0	22 030	1.8	9	9.8	103	11.7
Audrain	73	3.5	1 289	3.7	279	1.7	69 930	1.2	81	3.2	3 113	7.7
Barry	146	3.0	6 215	2.4	75	3.7	12 281	1.4	29	5.7	861	10.2
Barton	38	3.8	1 597	2.0	63	3.1	19 771	1.8	18	6.5	741	9.5
Bates	54	3.0	2 576	2.1	124	2.5	21 541	1.6	29	5.5	1 837	19.8
Benton	67	3.6	2 038	3.3	80	3.6	17 967	2.0	16	7.5	1 802	10.0
Bollinger	31	5.2	353	4.4	138	2.9	18 903	3.3	11	9.6	359	19.7
Boone	16	7.3	334	1.3	104	2.8	31 541	1.6	69	3.7	3 933	13.1
Buchanan	23	4.8	1 042	3.8	86	2.8	14 476	2.0	12	9.4	337	10.5
Butler	9	11.5	33	12.5	33	5.8	1 287	7.8	8	10.9	253	12.0
Caldwell	25	5.9	393	7.6	132	2.8	33 408	1.7	48	4.7	2 544	7.4
Callaway	27	4.6	569	4.8	153	2.4	35 658	1.8	31	4.9	1 718	6.8
Camden	45	4.2	1 420	3.6	23	6.5	892	8.3	11	10.1	496	14.9
Cape Girardeau	58	3.1	3 312	2.0	164	2.2	24 321	1.9	13	8.7	451	5.9
Carroll	20	7.1	450	5.4	176	2.5	55 234	1.6	31	5.1	2 144	5.7
Carter	7	10.3	(D)	(D)	23	7.0	4 060	3.4	3	19.6	55	18.3
Cass	55	3.7	1 708	3.6	112	2.7	33 453	.9	40	4.5	1 655	5.8
Cedar	30	5.2	836	4.3	34	5.1	6 866	2.1	21	6.5	1 008	8.1
Chariton	21	5.8	441	4.2	166	1.9	51 444	1.3	26	4.4	1 911	2.8
Christian	111	3.1	5 544	2.0	38	4.6	2 383	7.2	27	6.6	818	9.3
Clark	26	7.0	245	11.9	106	2.7	32 034	1.6	43	4.6	1 998	5.7
Clay	4	12.8	36	16.9	46	4.2	7 071	3.3	16	9.0	333	11.0
Clinton	21	4.3	890	2.5	95	2.2	29 141	1.7	28	4.6	1 287	5.9
Cole	59	3.9	1 433	3.6	127	2.7	18 857	2.7	16	6.8	563	9.8
Cooper	32	4.8	667	1.9	187	2.6	60 094	1.8	15	8.3	521	11.3
Crawford	25	5.9	319	3.3	58	3.8	5 962	5.6	8	10.3	181	12.8
Dade	34	4.2	1 460	2.6	41	4.3	11 437	2.2	14	8.3	355	10.8
Dallas	170	2.0	8 082	1.5	68	3.4	4 002	4.5	19	6.9	926	8.9
Daviess	66	4.3	696	4.5	139	3.0	25 111	3.1	35	5.0	1 297	6.1
De Kalb	36	4.8	1 368	3.6	126	3.0	21 507	2.8	13	8.4	967	12.4
Dent	20	6.7	400	7.4	41	4.5	4 808	5.0	13	8.2	244	9.9
Douglas	208	2.5	9 181	2.2	45	4.7	2 279	7.8	13	8.1	177	13.5

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 21
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

Geographic area	Livestock and poultry —Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Dunklin	–	–	–	–	17	7.7	880	9.1	–	–	–	–
Franklin	63	2.7	2 684	1.5	208	1.9	65 831	1.0	40	4.5	885	9.0
Gasconade	28	4.8	644	3.9	100	2.5	29 086	1.5	13	7.7	471	8.6
Gentry	18	6.7	333	2.8	142	2.5	38 335	1.4	18	8.2	882	14.1
Greene	133	2.3	7 932	1.5	44	4.7	5 287	2.7	29	5.5	847	7.9
Grundy	33	5.1	474	4.7	98	3.3	17 880	3.3	25	6.0	828	8.9
Harrison	19	7.1	443	7.5	90	3.6	20 438	2.0	42	5.2	1 853	6.6
Henry	35	3.9	1 346	2.2	111	3.0	25 851	1.8	12	9.6	424	11.8
Hickory	44	3.4	2 173	1.6	32	4.7	4 817	2.5	5	13.7	96	13.6
Holt	4	16.3	(D)	(D)	89	3.2	20 602	1.8	9	8.3	543	10.8
Howard	13	6.6	203	3.2	113	2.8	22 298	2.7	20	6.3	923	8.7
Howell	181	2.4	6 925	1.9	152	2.7	14 733	2.6	21	6.1	757	9.8
Iron	7	13.8	7	13.8	20	6.1	523	10.4	7	8.9	369	10.7
Jackson	15	8.0	407	6.7	32	4.9	2 698	2.9	9	11.9	98	13.5
Jasper	79	3.1	3 821	1.7	66	3.9	6 007	6.0	31	5.4	918	9.2
Jefferson	31	4.6	2 104	2.0	46	4.5	3 127	7.2	4	16.7	(D)	(D)
Johnson	45	3.3	1 034	2.2	165	2.3	28 412	1.7	37	4.7	1 571	15.1
Knox	39	4.8	784	4.6	125	2.6	34 932	2.0	29	5.1	989	4.2
Laclede	176	2.2	9 867	1.4	79	3.3	4 463	3.2	15	6.9	954	4.9
Lafayette	38	3.7	1 721	1.9	281	1.6	103 655	.8	26	6.6	772	9.8
Lawrence	183	1.9	9 657	1.1	83	3.4	8 937	4.4	38	4.5	1 005	5.1
Lewis	30	6.6	418	7.1	130	2.9	33 737	2.0	23	6.5	1 246	15.8
Lincoln	38	4.3	1 682	1.9	267	2.0	72 482	1.2	30	5.7	927	7.8
Linn	46	4.6	1 269	3.4	127	2.7	31 966	1.9	45	4.6	2 338	5.1
Livingston	20	6.5	503	5.2	104	3.1	17 548	2.5	20	6.1	627	8.5
McDonald	65	3.4	1 972	3.8	64	3.7	19 461	.5	13	9.1	627	15.1
Macon	38	5.6	492	6.2	163	3.0	27 336	2.8	58	4.1	3 488	3.8
Madison	4	15.6	15	17.7	30	5.5	11 636	1.3	5	14.2	163	11.9
Maries	40	4.2	1 113	1.5	119	2.7	20 091	2.2	18	6.7	347	5.8
Marion	29	5.3	1 228	3.4	136	2.7	31 576	1.8	28	5.6	1 376	9.9
Mercer	19	7.8	226	9.5	49	4.6	(D)	(D)	21	7.1	589	11.4
Miller	30	4.9	599	5.5	164	2.2	60 555	1.0	18	5.7	586	7.2
Mississippi	1	–	(D)	(D)	8	11.2	277	16.0	–	–	–	–
Moniteau	46	3.8	1 138	4.0	172	2.2	48 473	1.3	18	5.6	846	6.2
Monroe	30	4.8	765	1.8	211	2.2	74 782	1.2	35	5.3	2 234	11.0
Montgomery	16	5.8	66	11.8	171	2.0	50 430	1.3	40	4.3	3 121	5.9
Morgan	96	3.4	2 027	3.2	154	2.6	40 387	2.0	25	6.2	614	7.7
New Madrid	–	–	–	–	13	7.0	3 297	2.0	–	–	–	–
Newton	112	2.2	4 846	1.6	83	3.0	1 403	4.6	26	5.4	795	9.4
Nodaway	39	4.1	769	4.0	367	1.8	97 453	1.0	46	3.8	1 649	5.2
Oregon	55	4.2	1 895	3.9	146	2.9	20 352	2.4	8	10.1	722	22.3
Osage	56	2.9	1 491	3.1	295	1.7	91 126	1.2	15	5.7	711	9.4
Ozark	107	2.9	5 964	2.1	40	4.5	5 165	1.7	11	8.4	102	15.0
Pemiscot	–	–	–	–	6	9.5	(D)	(D)	–	–	–	–
Perry	44	3.2	2 063	2.2	202	2.0	35 150	1.8	11	6.8	360	6.0
Pettis	48	3.3	1 264	1.8	236	2.0	63 310	1.3	21	5.7	730	8.7
Phelps	18	7.3	202	7.1	46	3.8	5 540	3.0	20	7.1	697	6.6
Pike	49	5.3	423	6.1	291	2.1	96 223	1.2	27	5.2	1 546	2.1
Platte	9	9.0	112	3.6	70	3.2	13 966	1.3	10	9.7	152	10.8
Polk	190	2.2	10 556	1.5	110	3.2	11 442	3.9	29	6.3	766	10.1
Pulaski	15	5.8	651	1.1	25	5.5	1 114	6.7	4	15.4	58	20.8
Putnam	24	6.5	396	12.6	52	4.2	6 011	3.5	30	6.6	2 148	3.4
Ralls	12	8.6	283	7.5	115	2.5	27 193	1.5	21	6.0	688	6.1
Randolph	25	6.5	263	8.3	99	2.9	15 750	2.6	38	4.8	1 200	8.9
Ray	23	6.4	196	10.1	147	2.5	21 344	2.4	38	4.8	1 198	8.2
Reynolds	13	8.5	70	14.2	45	3.9	3 089	6.5	2	25.2	(D)	(D)
Ripley	8	9.8	31	15.9	52	4.4	3 653	7.6	4	20.0	170	19.0
St. Charles	15	4.8	1 256	.3	102	2.1	33 603	.8	12	7.7	213	6.5
St. Clair	35	4.9	947	5.3	94	3.3	14 190	4.1	23	7.0	647	10.7
Ste. Genevieve	13	5.5	222	5.5	98	2.6	22 558	1.7	8	7.6	197	12.0
St. Francois	19	6.8	377	9.6	34	4.8	2 967	8.4	13	7.6	289	8.5
St. Louis	1	–	(D)	(D)	8	10.5	361	16.0	2	19.0	(D)	(D)
Saline	12	6.7	97	15.5	186	2.1	112 479	.6	18	6.5	424	18.2
Schuyler	24	6.2	546	6.3	42	4.5	8 061	4.8	111	2.8	12 217	3.3
Scotland	51	4.5	1 696	4.9	100	2.7	21 949	1.8	51	4.2	1 840	5.9
Scott	8	9.9	357	3.4	69	3.5	12 719	1.8	1	49.5	(D)	(D)
Shannon	19	7.4	285	7.6	69	3.7	3 662	8.8	3	16.6	521	18.6
Shelby	8	8.2	30	16.7	213	2.0	91 226	1.0	36	4.7	2 638	3.4
Stoddard	14	7.7	105	11.4	68	3.3	9 469	2.9	8	12.5	255	26.5
Stone	107	3.3	4 972	2.4	29	5.9	1 120	11.8	6	10.3	82	14.9
Sullivan	23	6.0	327	5.4	93	2.9	15 842	2.3	27	5.7	1 175	10.5
Taney	39	4.4	690	7.1	25	5.6	955	8.3	8	9.1	90	12.7
Texas	245	2.2	12 223	1.9	60	4.2	3 553	7.0	15	8.5	419	13.1
Vernon	52	3.8	2 025	3.0	115	2.8	75 277	.5	43	4.5	1 331	8.1
Warren	8	9.0	(D)	(D)	127	2.1	40 824	1.1	22	5.7	509	6.3
Washington	13	7.2	56	10.3	33	4.9	4 579	4.6	3	24.3	(D)	(D)
Wayne	11	9.1	26	13.6	48	4.5	4 850	6.3	5	14.6	106	16.6
Webster	325	2.0	14 019	1.3	142	2.9	17 949	3.8	27	5.9	565	11.5
Worth	9	10.4	127	12.0	46	3.4	10 702	2.4	16	6.5	768	11.0
Wright	361	2.0	20 004	1.5	70	3.6	11 060	1.6	16	8.9	438	11.0

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 22
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

	Livestock and poultry —Con.							
	Hens and pullets of laying age inventory				Broilers and other meat-type chickens sold			
Geographic area	Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Missouri	**4 452**	**1.2**	**6 894 100**	**.2**	**341**	**1.1**	**82 990 149**	**.1**
Adair	27	6.7	930	13.1	–	–	–	–
Andrew	45	4.8	1 954	7.1	3	16.8	30	16.8
Atchison	8	12.4	314	13.5	–	–	–	–
Audrain	89	2.9	32 939	.3	3	17.4	405	22.0
Barry	73	3.8	67 011	13.9	108	.7	37 834 203	.1
Barton	20	6.9	543	9.6	–	–	–	–
Bates	30	5.2	760	7.7	–	–	–	–
Benton	35	5.6	1 274	7.7	2	22.0	(D)	(D)
Bollinger	50	4.5	909	5.8	4	14.1	(D)	(D)
Boone	56	3.9	3 225	2.2	–	–	–	–
Buchanan	17	7.0	313	7.1	1	–	(D)	(D)
Butler	19	7.5	308	8.5	2	28.9	(D)	(D)
Caldwell	30	5.4	1 134	6.7	–	–	–	–
Callaway	46	4.3	1 337	7.1	–	–	–	–
Camden	42	4.9	978	6.7	–	–	–	–
Cape Girardeau	34	4.7	700	6.3	–	–	–	–
Carroll	25	5.5	3 894	11.0	–	–	–	–
Carter	15	7.8	356	9.3	1	39.3	(D)	(D)
Cass	54	4.1	6 264	1.2	2	21.2	(D)	(D)
Cedar	51	4.2	1 948	7.1	–	–	–	–
Chariton	29	4.9	1 193	7.2	–	–	–	–
Christian	54	4.2	1 473	18.8	4	13.9	(D)	(D)
Clark	25	6.9	1 018	8.0	3	18.6	435	23.1
Clay	26	6.5	889	16.1	–	–	–	–
Clinton	24	5.9	463	8.9	–	–	–	–
Cole	60	3.7	3 864	2.7	–	–	–	–
Cooper	35	5.5	849	9.5	1	26.7	(D)	(D)
Crawford	33	5.4	606	6.7	–	–	–	–
Dade	37	4.9	793	7.2	1	30.5	(D)	(D)
Dallas	68	3.3	48 889	.4	2	9.8	(D)	(D)
Daviess	57	4.0	(D)	(D)	7	9.7	1 805	13.9
De Kalb	20	7.7	560	14.4	3	12.4	(D)	(D)
Dent	24	6.0	375	7.3	–	–	–	–
Douglas	78	3.5	1 504	4.3	1	50.0	(D)	(D)
Dunklin	6	11.9	76	23.9	–	–	–	–
Franklin	106	2.8	7 490	1.7	4	12.0	176	15.6
Gasconade	41	4.2	5 932	.8	–	–	–	–
Gentry	21	7.3	499	10.1	–	–	–	–
Greene	76	3.5	1 774	14.1	–	–	–	–
Grundy	38	4.9	861	5.6	1	37.0	(D)	(D)
Harrison	36	5.1	1 052	6.6	–	–	–	–
Henry	45	4.5	4 048	5.4	1	25.4	(D)	(D)
Hickory	36	4.7	701	5.5	–	–	–	–
Holt	16	7.9	652	15.9	1	–	(D)	(D)
Howard	29	5.0	682	5.0	–	–	–	–
Howell	109	3.1	92 523	.1	5	15.9	(D)	(D)
Iron	12	9.0	(D)	(D)	–	–	–	–
Jackson	30	6.0	614	7.4	–	–	–	–
Jasper	48	4.4	293 758	.9	–	–	–	–
Jefferson	53	4.2	1 582	9.4	–	–	–	–
Johnson	89	3.2	(D)	(D)	4	16.2	191	20.9
Knox	17	7.9	362	9.3	–	–	–	–
Laclede	61	4.0	1 445	4.8	1	23.3	(D)	(D)
Lafayette	49	4.4	1 019	8.0	1	38.7	(D)	(D)
Lawrence	56	3.8	1 344	4.8	1	32.0	(D)	(D)
Lewis	37	5.7	1 631	7.2	2	17.4	(D)	(D)
Lincoln	38	5.2	(D)	(D)	1	34.2	(D)	(D)
Linn	27	6.0	692	11.5	–	–	–	–
Livingston	24	6.3	410	6.4	–	–	–	.1
McDonald	77	3.0	1 581 424	.6	81	1.2	20 369 857	.3
Macon	40	5.2	850	7.9	1	37.9	(D)	(D)
Madison	24	6.4	(D)	(D)	–	–	–	–
Maries	47	4.5	1 968	14.3	–	–	–	–
Marion	29	6.0	812	8.0	–	–	–	–
Mercer	17	8.0	632	11.7	–	–	–	–
Miller	38	4.8	830	6.0	–	–	–	–
Mississippi	3	26.1	40	28.6	–	–	–	–
Moniteau	47	4.2	1 204	5.4	1	23.0	(D)	(D)
Monroe	28	6.0	620	7.2	–	–	–	–
Montgomery	22	4.9	1 939	13.8	1	19.6	(D)	(D)
Morgan	63	3.8	2 792	6.9	3	15.4	130	18.4
New Madrid	2	21.1	(D)	(D)	–	–	–	–
Newton	82	3.0	1 413 669	.1	45	2.7	12 536 568	.3
Nodaway	29	4.6	738	3.9	2	22.6	(D)	(D)
Oregon	33	5.0	(D)	(D)	–	–	–	–
Osage	48	3.5	1 191	4.3	8	6.3	334 099	3.2
Ozark	48	4.5	1 162	5.8	1	26.1	(D)	(D)
Pemiscot	1	32.7	(D)	(D)	–	–	–	–
Perry	26	6.0	1 651	20.7	–	–	–	–

See footnotes at end of table.

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

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

	Livestock and poultry —Con.							
	Hens and pullets of laying age inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Pettis	55	3.8	2 333	7.2	2	15.0	(D)	(D)
Phelps	40	5.0	696	5.3	–	–	–	–
Pike	53	4.8	1 699	6.0	3	18.7	1 500	20.1
Platte	22	6.5	331	8.1	–	–	–	–
Polk	72	3.7	(D)	(D)	1	20.7	(D)	(D)
Pulaski	20	6.9	331	7.5	–	–	–	–
Putnam	17	7.2	738	8.4	–	–	–	–
Ralls	11	10.4	544	13.5	–	–	–	–
Randolph	49	4.6	1 162	5.4	–	–	–	–
Ray	45	4.8	968	5.9	2	12.3	(D)	(D)
Reynolds	18	7.0	297	9.6	–	–	–	–
Ripley	33	5.6	1 043	6.7	–	–	–	–
St. Charles	40	4.6	1 499	4.6	4	13.7	448	18.8
St. Clair	36	5.4	1 253	8.6	–	–	–	–
Ste. Genevieve	44	4.3	108 696	.2	1	21.6	(D)	(D)
St. Francois	38	4.4	394 488	(L)	1	46.0	(D)	(D)
St. Louis	14	8.9	291	9.9	–	–	–	–
Saline	33	4.8	1 135	10.3	1	–	(D)	(D)
Schuyler	25	6.3	581	8.0	–	–	–	–
Scotland	23	6.9	899	13.7	2	24.7	(D)	(D)
Scott	16	7.8	227	8.0	–	–	–	–
Shannon	35	5.3	503	6.0	–	–	–	–
Shelby	12	9.9	294	15.8	–	–	–	–
Stoddard	30	5.3	(D)	(D)	1	–	(D)	(D)
Stone	37	4.9	567	6.1	1	–	(D)	(D)
Sullivan	31	5.3	825	8.8	–	–	–	–
Taney	43	4.4	673	6.1	1	–	(D)	(D)
Texas	94	3.3	1 955	5.1	3	17.0	24	18.7
Vernon	59	3.8	1 369	4.1	2	30.4	(D)	(D)
Warren	23	5.2	953	5.1	2	17.1	(D)	(D)
Washington	30	5.1	(D)	(D)	–	–	–	–
Wayne	33	5.7	646	9.3	–	–	–	–
Webster	98	3.0	50 982	1.3	1	21.2	(D)	(D)
Worth	8	11.2	388	16.4	–	–	–	–
Wright	75	3.7	1 307	6.1	–	–	–	–

	Selected crops harvested											
	Corn for grain or seed						Corn for silage or green chop					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Relative standard error of estimate (percent)
Missouri	**21 382**	**1.6**	**2 445 489**	**.9**	**308 784 225**	**.8**	**2 387**	**1.3**	**81 543**	**1.0**	**1 114 626**	**1.0**
Adair	244	2.8	15 474	2.6	1 563 257	2.6	27	4.9	691	4.8	9 252	5.5
Andrew	397	1.9	41 620	1.7	5 093 952	1.7	36	3.5	1 028	3.5	12 830	3.6
Atchison	413	1.5	115 138	.9	15 977 258	.8	17	4.4	521	6.9	5 640	4.8
Audrain	408	1.5	44 313	1.0	5 517 378	.9	110	2.2	2 250	1.3	31 919	1.1
Barry	18	5.2	587	3.8	66 261	3.6	28	4.5	784	3.7	11 750	3.9
Barton	125	2.4	9 569	1.4	1 244 106	1.1	21	3.4	551	2.5	6 536	2.0
Bates	289	2.0	31 655	1.2	3 800 151	1.2	45	2.7	4 108	.7	53 215	.8
Benton	100	3.1	5 088	2.9	618 279	3.0	22	5.3	592	4.8	8 593	3.8
Bollinger	194	2.9	16 677	2.4	2 052 826	2.4	6	6.3	290	1.4	3 476	1.1
Boone	179	1.9	16 174	1.8	1 913 465	1.6	15	5.8	785	7.6	11 320	6.6
Buchanan	320	1.8	33 540	1.3	4 343 865	1.3	18	4.1	369	4.5	4 629	4.9
Butler	87	2.2	12 305	1.2	1 589 573	1.1	–	–	–	–	–	–
Caldwell	263	2.6	19 736	2.2	2 282 415	2.2	11	6.4	721	11.7	5 480	8.0
Callaway	220	2.2	18 603	1.5	2 462 579	1.4	22	5.3	817	4.9	9 349	3.6
Camden	5	15.7	245	17.0	15 025	15.4	3	13.8	58	14.1	670	13.8
Cape Girardeau	427	1.7	31 345	1.1	3 992 092	1.0	56	2.9	1 714	1.4	27 995	1.5
Carroll	456	2.0	57 976	1.1	7 693 352	1.1	29	3.8	1 141	2.1	13 182	1.9
Carter	2	27.4	(D)	(D)	(D)	(D)	1	–	(D)	(D)	(D)	(D)
Cass	226	2.1	25 244	1.3	3 063 804	1.3	23	3.9	970	2.9	15 536	3.5
Cedar	18	7.4	611	5.1	68 380	6.1	2	–	(D)	(D)	(D)	(D)
Chariton	497	1.7	60 222	1.0	7 990 223	1.0	25	4.2	1 402	3.3	21 639	3.0
Christian	19	4.8	702	3.4	83 507	3.3	11	5.0	408	3.9	4 047	3.6
Clark	363	2.2	49 016	1.4	6 313 287	1.3	31	5.3	509	7.3	6 171	6.3
Clay	84	3.0	9 061	1.8	1 120 091	1.8	4	9.4	97	2.3	1 415	1.9
Clinton	217	1.7	27 124	1.2	3 422 183	1.1	23	2.0	1 022	1.4	15 713	1.3
Cole	178	2.5	7 367	2.5	958 914	2.4	27	3.6	445	3.7	6 967	3.0
Cooper	377	2.0	40 989	1.3	5 108 904	1.2	32	4.4	1 199	6.7	17 118	7.0
Crawford	29	4.4	758	2.7	45 484	3.5	5	9.8	102	9.0	1 239	9.2
Dade	31	4.5	2 476	1.8	315 157	1.5	3	9.1	155	2.6	2 455	2.8
Dallas	7	2.8	389	3.4	30 834	6.3	25	4.1	799	4.1	11 156	4.2
Daviess	277	2.4	25 813	1.7	2 993 727	1.7	29	5.3	311	5.6	4 181	5.9
De Kalb	252	3.0	22 206	2.3	2 483 550	2.2	27	4.6	820	3.2	11 410	3.5
Dent	13	7.7	285	9.5	26 908	9.4	1	24.2	(D)	(D)	(D)	(D)
Douglas	3	25.4	47	29.7	2 700	34.5	4	19.0	185	33.1	2 300	30.8

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 24
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

Geographic area	Corn for grain or seed — Farms — Number	Farms — Relative standard error of estimate (percent)	Acres — Number	Acres — Relative standard error of estimate (percent)	Quantity — Bushels	Quantity — Relative standard error of estimate (percent)	Corn for silage or green chop — Farms — Number	Farms — Relative standard error of estimate (percent)	Acres — Number	Acres — Relative standard error of estimate (percent)	Quantity — Tons, green	Quantity — Relative standard error of estimate (percent)
Dunklin	79	2.4	10 025	1.3	1 482 459	1.2	–	–	–	–	–	–
Franklin	393	1.5	22 230	1.4	2 525 713	1.3	75	2.4	1 907	1.5	28 400	1.5
Gasconade	177	2.2	9 047	2.3	921 623	2.5	34	4.4	521	3.6	6 119	3.3
Gentry	285	2.2	29 569	1.6	3 131 151	1.5	13	4.5	639	1.4	8 698	1.3
Greene	22	6.2	1 129	11.4	121 805	8.4	19	2.5	1 206	1.8	15 672	1.6
Grundy	163	2.6	14 228	2.0	1 510 775	2.0	22	5.8	695	7.6	8 502	8.5
Harrison	360	2.7	46 693	2.0	5 520 232	1.9	24	5.1	671	3.3	6 209	4.5
Henry	178	2.4	15 370	2.6	1 810 514	2.1	13	6.0	377	4.2	5 080	2.7
Hickory	17	4.9	502	4.5	42 525	4.2	10	3.6	583	1.2	8 519	.7
Holt	377	1.7	80 779	.9	10 089 136	.9	6	9.4	369	16.1	4 808	14.7
Howard	262	2.2	31 048	1.6	3 833 796	1.5	21	4.1	656	5.5	8 530	6.3
Howell	7	9.9	171	11.4	19 457	12.0	13	5.2	368	5.5	4 503	8.7
Iron	3	15.0	19	15.5	1 350	18.2	–	–	–	–	–	–
Jackson	107	2.9	11 167	1.8	1 472 773	1.8	13	6.0	447	4.1	7 300	3.7
Jasper	62	3.3	5 494	2.6	732 136	2.4	8	7.9	539	5.1	5 550	4.2
Jefferson	67	3.5	4 902	3.1	517 486	3.9	19	5.0	962	3.4	10 712	2.3
Johnson	358	1.9	28 280	1.3	3 582 534	1.2	27	3.1	878	1.7	12 255	1.6
Knox	275	2.0	26 938	1.4	3 017 415	1.4	28	4.6	1 093	5.6	15 478	5.2
Laclede	21	4.4	862	1.7	109 519	1.7	30	2.6	1 296	1.8	17 082	1.1
Lafayette	661	1.4	82 080	.9	10 975 633	.9	78	1.7	2 541	1.4	39 070	1.1
Lawrence	68	2.9	3 076	2.6	352 636	2.6	22	3.1	709	1.8	10 159	1.9
Lewis	353	2.3	44 299	1.3	5 394 790	1.3	42	4.8	1 615	1.9	24 965	1.6
Lincoln	448	1.7	46 858	1.2	5 739 863	1.1	60	2.6	2 592	1.7	38 524	1.5
Linn	281	2.0	24 399	1.6	2 771 666	1.5	24	4.4	761	5.2	9 378	4.0
Livingston	228	2.3	17 834	1.1	2 017 828	1.1	33	4.1	1 076	2.1	14 060	2.5
McDonald	6	7.1	685	1.9	98 360	1.2	3	–	(D)	(D)	(D)	(D)
Macon	300	2.2	25 079	1.6	2 716 066	1.6	21	4.9	493	2.6	5 864	2.3
Madison	9	10.7	184	17.0	14 716	16.7	1	37.3	(D)	(D)	(D)	(D)
Maries	55	3.6	2 172	2.8	219 687	2.8	12	5.6	320	2.5	3 205	4.6
Marion	351	2.1	35 482	1.4	4 498 275	1.2	41	3.5	1 125	2.9	15 950	3.1
Mercer	180	3.1	18 884	2.5	2 169 699	2.5	8	7.7	160	7.8	1 635	6.1
Miller	90	3.2	3 779	3.7	458 497	3.9	26	5.0	358	4.9	5 069	5.0
Mississippi	178	1.6	62 993	.6	9 504 760	.5	2	–	(D)	(D)	(D)	(D)
Moniteau	194	2.1	11 889	1.8	1 330 546	1.8	23	4.6	435	4.1	6 604	4.9
Monroe	258	2.3	21 488	1.6	2 266 570	1.6	38	3.8	1 336	1.8	13 398	2.0
Montgomery	329	1.5	36 250	1.1	4 784 402	1.1	38	3.3	796	3.0	10 909	3.0
Morgan	182	2.5	8 935	1.8	1 122 865	1.8	49	4.4	1 121	5.9	17 108	5.8
New Madrid	222	1.5	58 881	.6	9 031 294	.5	–	–	–	–	–	–
Newton	12	3.7	615	.9	71 055	.8	11	3.4	682	1.7	9 552	2.3
Nodaway	840	1.7	112 704	1.1	13 063 199	1.1	47	2.8	1 865	7.4	23 591	7.1
Oregon	1	25.2	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Osage	191	2.0	9 119	1.6	1 166 896	1.6	38	3.3	706	3.9	10 671	4.2
Ozark	–	–	–	–	–	–	2	13.1	(D)	(D)	(D)	(D)
Pemiscot	79	1.7	21 241	.5	3 133 539	.5	1	–	(D)	(D)	(D)	(D)
Perry	375	1.6	27 773	1.3	3 310 104	1.3	45	2.7	919	2.0	13 578	2.2
Pettis	351	1.6	32 989	1.1	3 878 278	1.1	38	2.6	1 243	2.4	17 692	2.9
Phelps	20	4.5	746	4.1	76 875	4.2	3	14.7	58	14.4	521	13.5
Pike	470	1.9	49 277	1.2	6 037 833	1.2	76	3.7	2 388	2.7	31 499	3.3
Platte	204	2.0	27 251	1.1	3 129 586	1.0	4	3.9	220	1.8	2 735	1.4
Polk	31	3.3	1 784	3.7	212 320	3.6	32	3.2	1 214	3.1	19 244	2.8
Pulaski	17	5.4	1 301	2.0	148 719	1.7	4	–	270	–	6 660	–
Putnam	165	2.9	12 932	2.3	1 455 118	2.3	23	5.7	1 097	1.8	13 140	2.4
Ralls	234	2.0	22 767	1.3	2 715 462	1.2	24	4.0	768	4.2	9 530	5.2
Randolph	205	2.3	14 629	1.7	1 603 532	1.7	13	7.0	449	4.7	3 755	6.7
Ray	292	1.8	31 471	.9	4 014 578	.9	19	3.5	1 825	1.4	34 950	2.1
Reynolds	7	9.6	111	12.1	7 550	13.0	2	12.4	(D)	(D)	(D)	(D)
Ripley	13	8.2	556	5.0	76 557	4.3	1	48.5	(D)	(D)	(D)	(D)
St. Charles	380	1.3	50 504	.8	6 725 607	.7	25	3.4	750	3.4	12 617	2.6
St. Clair	102	3.1	6 514	2.8	776 802	2.9	9	7.4	217	6.8	2 642	7.6
Ste. Genevieve	182	2.0	12 564	1.7	1 512 902	1.7	13	5.3	453	3.1	6 695	3.6
St. Francois	47	3.3	1 681	3.8	158 302	4.1	7	5.8	133	5.6	2 079	4.9
St. Louis	48	3.7	5 269	2.7	664 011	2.2	3	15.1	30	7.6	410	7.1
Saline	597	1.7	107 966	1.0	14 300 465	1.0	36	2.9	1 017	4.8	11 970	4.1
Schuyler	138	2.7	11 671	2.3	1 308 785	2.0	10	8.8	329	8.2	3 920	10.2
Scotland	303	2.1	34 489	1.5	4 017 855	1.4	46	4.4	2 160	3.9	26 127	4.1
Scott	262	1.8	52 239	.7	7 225 925	.7	5	12.1	61	11.2	948	12.6
Shannon	4	17.5	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Shelby	282	1.8	26 912	1.2	3 266 675	1.1	25	2.7	986	1.2	11 665	1.2
Stoddard	395	1.3	110 791	.4	16 180 472	.4	11	6.3	705	2.0	7 365	5.1
Stone	1	–	(D)	(D)	(D)	(D)	6	8.3	336	14.8	4 566	16.4
Sullivan	181	2.6	12 681	2.0	1 330 048	1.9	14	4.9	566	2.8	5 681	3.3
Taney	1	20.7	(D)	(D)	(D)	(D)	1	–	(D)	(D)	(D)	(D)
Texas	25	4.6	1 518	2.0	172 273	1.4	10	5.4	782	4.4	9 205	2.6
Vernon	181	2.3	18 584	1.5	2 323 022	1.5	20	5.3	818	4.3	13 010	4.5
Warren	210	1.7	22 283	1.5	2 695 740	1.5	36	3.5	692	7.5	9 826	8.1
Washington	9	8.6	172	11.1	12 200	14.2	3	20.0	50	22.6	630	24.9
Wayne	24	5.6	2 569	5.6	268 073	6.1	2	13.3	(D)	(D)	(D)	(D)
Webster	10	3.7	277	.4	34 955	.2	67	2.6	2 024	1.3	26 577	1.4
Worth	144	2.4	12 892	2.1	1 480 693	2.1	11	7.1	823	29.2	14 288	33.6
Wright	5	10.0	126	14.9	12 540	14.9	9	7.2	238	4.5	3 190	4.8

See footnotes at end of table.

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

| Geographic area | Sorghum for grain or seed | | | | | | Wheat for grain | | | | | |
| | Farms | | Acres | | Quantity | | Farms | | Acres | | Quantity | |
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Missouri	**6 998**	**1.6**	**586 559**	**1.2**	**53 046 665**	**1.1**	**16 970**	**1.5**	**1 319 575**	**1.0**	**58 143 633**	**1.0**
Adair	4	10.6	279	11.1	22 357	11.1	66	4.3	1 982	5.2	63 705	5.7
Andrew	70	3.8	3 981	3.5	320 648	3.6	134	2.5	4 316	2.2	156 842	2.2
Atchison	1	–	(D)	(D)	(D)	(D)	29	3.0	2 289	1.8	95 901	1.2
Audrain	311	1.6	32 440	1.2	3 562 849	1.1	508	1.5	48 179	1.1	2 252 278	1.0
Barry	8	6.6	259	5.0	20 140	5.3	37	4.8	1 440	4.3	52 443	4.1
Barton	321	2.0	26 175	1.5	2 361 918	1.4	393	2.0	49 982	1.4	2 255 683	1.4
Bates	179	2.3	12 347	1.8	1 100 380	1.9	311	2.0	30 633	1.4	1 420 134	1.4
Benton	98	3.0	5 241	2.7	535 093	2.8	121	3.0	7 463	2.4	337 161	2.6
Bollinger	81	3.8	6 400	5.7	552 586	6.4	106	3.1	4 070	2.3	178 816	2.1
Boone	65	3.2	3 876	3.9	368 168	4.1	195	2.1	17 599	2.0	759 482	2.0
Buchanan	44	4.1	2 647	3.7	243 857	3.6	178	2.3	10 282	1.9	362 910	1.9
Butler	272	2.5	34 262	1.9	2 666 655	1.7	148	2.5	12 404	1.9	627 729	1.8
Caldwell	55	3.8	2 690	3.4	202 742	3.3	186	2.6	10 511	2.1	417 637	2.1
Callaway	118	2.8	10 614	2.2	1 070 824	2.1	234	2.2	21 430	1.6	872 300	1.5
Camden	–	–	–	–	–	–	2	16.8	(D)	(D)	(D)	(D)
Cape Girardeau	101	2.8	7 365	2.4	717 820	2.2	342	1.8	15 936	1.5	691 616	1.4
Carroll	67	4.0	4 067	3.3	317 010	2.6	441	2.1	40 961	1.4	1 814 232	1.4
Carter	–	–	–	–	–	–	2	25.0	(D)	(D)	(D)	(D)
Cass	104	2.8	8 280	3.3	825 409	3.5	193	2.2	13 767	1.6	589 280	1.6
Cedar	20	6.7	555	6.5	38 732	7.2	45	4.6	2 353	4.6	94 877	4.3
Chariton	34	3.7	1 964	5.2	177 529	6.2	467	1.6	34 024	1.4	1 569 415	1.4
Christian	–	–	–	–	–	–	20	5.2	556	5.6	18 277	5.1
Clark	11	5.6	663	3.4	47 148	4.4	147	2.4	7 498	2.3	308 916	2.4
Clay	26	5.0	1 871	3.8	182 213	3.3	62	3.3	5 394	2.4	196 822	2.4
Clinton	32	4.6	2 497	4.8	209 648	4.4	100	2.2	5 542	1.8	234 193	1.9
Cole	54	3.8	1 258	5.3	111 986	5.5	144	2.5	4 347	2.5	160 333	2.8
Cooper	69	3.2	3 627	2.2	302 754	2.3	351	2.1	29 878	1.6	1 306 027	1.5
Crawford	10	8.2	710	7.8	58 902	7.2	8	8.7	224	5.6	5 400	6.4
Dade	77	3.4	5 515	2.6	538 885	2.6	145	2.7	19 006	2.2	775 765	2.3
Dallas	9	6.0	277	2.5	15 706	4.3	16	3.2	474	3.5	16 808	2.9
Daviess	80	3.7	4 718	3.3	414 613	3.2	198	2.8	11 731	2.2	438 749	1.6
De Kalb	50	4.3	3 545	3.4	248 483	4.1	99	3.3	5 430	3.0	219 260	2.8
Dent	2	21.0	(D)	(D)	(D)	(D)	5	14.8	77	27.2	2 930	28.1
Douglas	–	–	–	–	–	–	1	50.0	(D)	(D)	(D)	(D)
Dunklin	214	1.9	21 788	1.6	1 699 086	1.4	211	2.0	25 433	1.4	1 021 902	1.4
Franklin	77	3.0	2 810	3.2	197 259	3.4	265	1.7	10 831	1.4	418 155	1.4
Gasconade	64	3.3	2 095	3.7	123 443	4.0	146	2.3	3 542	2.3	118 165	2.3
Gentry	37	4.1	2 518	4.2	195 893	4.2	114	2.3	6 016	1.4	200 022	1.4
Greene	4	14.9	118	10.3	5 752	7.2	29	4.8	1 553	8.4	52 992	8.0
Grundy	82	3.7	6 348	2.6	527 338	2.8	136	2.8	10 454	2.0	392 035	2.3
Harrison	41	4.7	2 061	4.2	150 711	3.9	100	3.1	7 261	1.9	277 880	2.0
Henry	214	2.4	16 069	2.0	1 429 533	2.1	245	2.2	19 842	1.9	950 143	1.8
Hickory	10	5.1	892	2.2	63 164	1.8	23	3.8	1 084	1.9	35 181	1.4
Holt	15	4.0	1 043	3.2	79 797	3.5	62	2.8	3 429	2.1	139 000	2.1
Howard	11	7.6	811	6.9	67 160	5.9	204	2.2	15 943	1.6	665 858	1.6
Howell	3	8.0	(D)	(D)	(D)	(D)	18	6.2	278	5.9	9 611	6.7
Iron	1	–	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Jackson	27	5.3	2 394	3.5	234 981	3.9	116	2.6	12 469	1.0	617 421	.8
Jasper	142	2.7	9 188	2.5	762 644	2.5	262	2.2	31 964	1.8	1 413 085	1.7
Jefferson	22	6.1	628	7.4	46 725	7.4	79	3.2	3 422	3.9	130 597	3.8
Johnson	177	2.3	10 152	1.8	874 419	1.9	255	1.9	12 635	1.4	553 434	1.4
Knox	40	4.2	2 330	4.8	163 439	4.8	160	2.3	7 929	1.9	302 905	2.2
Laclede	1	49.9	(D)	(D)	(D)	(D)	13	5.0	391	4.5	10 791	3.3
Lafayette	40	3.7	1 232	2.6	114 794	2.5	472	1.4	28 223	.9	1 347 885	.9
Lawrence	55	4.0	3 185	3.6	219 849	2.7	146	3.3	10 124	3.8	422 549	3.9
Lewis	29	4.6	2 035	2.5	186 775	2.4	251	2.3	15 308	1.6	703 699	1.4
Lincoln	60	3.2	4 119	2.8	383 401	2.9	364	1.8	26 357	1.5	1 139 239	1.4
Linn	54	3.5	3 276	4.0	270 189	2.5	180	2.2	12 370	2.1	565 129	2.3
Livingston	97	3.1	7 969	2.2	746 581	1.8	275	2.4	20 548	1.8	942 186	1.8
McDonald	–	–	–	–	–	–	4	10.6	317	2.5	8 561	4.3
Macon	56	3.7	3 203	3.2	226 938	3.3	193	2.3	10 416	2.1	366 948	2.1
Madison	14	8.5	701	9.7	39 440	10.1	8	9.5	218	5.8	6 608	8.1
Maries	18	5.5	294	7.5	28 453	10.7	47	3.5	1 624	3.6	53 233	3.4
Marion	56	4.0	3 085	3.6	270 162	3.1	298	2.1	19 852	1.6	930 927	1.6
Mercer	10	8.2	284	9.3	22 999	10.1	26	5.5	1 911	3.8	65 362	4.1
Miller	8	9.1	203	10.5	15 560	10.1	33	4.6	873	5.6	30 198	6.3
Mississippi	122	1.8	23 563	.8	2 465 228	.7	174	1.6	37 968	.8	1 930 685	.8
Moniteau	83	2.9	4 010	3.0	358 967	2.5	188	2.1	9 911	2.6	390 527	2.3
Monroe	233	2.2	23 308	1.4	2 158 771	1.3	354	2.1	29 439	1.4	1 179 717	1.4
Montgomery	87	2.3	5 664	1.9	541 954	1.9	306	1.5	23 350	1.5	981 758	1.4
Morgan	64	3.7	2 605	2.7	263 127	2.4	134	2.8	5 430	1.9	222 234	1.8
New Madrid	271	1.6	46 927	1.0	4 341 080	.9	225	1.6	27 922	.8	1 401 815	.7
Newton	24	4.1	949	3.9	68 460	4.0	90	2.5	5 777	3.3	205 726	4.1
Nodaway	18	4.8	1 296	3.3	74 282	3.7	116	2.0	3 998	1.8	139 886	2.1
Oregon	1	25.2	(D)	(D)	(D)	(D)	12	8.4	295	9.5	9 231	10.5
Osage	77	2.4	2 782	2.4	253 826	2.5	132	2.3	3 427	2.9	116 412	2.6
Ozark	–	–	–	–	–	–	3	16.0	90	16.0	2 140	15.1
Pemiscot	158	2.1	22 595	1.4	1 921 825	1.4	214	1.7	43 911	1.1	2 155 046	.9
Perry	29	5.0	1 381	5.9	105 320	5.9	348	1.7	18 616	1.5	857 493	1.5

See footnotes at end of table.

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

Selected crops harvested —Con.

Geographic area	Sorghum for grain or seed Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Bushels	Relative standard error of estimate (percent)	Wheat for grain Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Bushels	Relative standard error of estimate (percent)
Pettis	250	1.9	17 204	1.7	1 700 121	1.4	378	1.8	30 945	1.4	1 369 864	1.5
Phelps	7	5.2	226	3.1	11 280	4.8	10	7.1	178	8.4	6 195	11.4
Pike	84	3.2	6 612	2.1	682 247	2.0	360	1.9	25 565	1.2	1 224 676	1.2
Platte	47	3.9	2 806	3.7	256 859	2.4	146	2.2	12 073	1.4	436 740	1.3
Polk	17	6.4	720	10.6	58 588	12.3	45	3.8	1 495	3.6	55 238	3.4
Pulaski	4	5.6	140	6.4	6 850	3.9	8	7.0	206	7.1	6 782	4.5
Putnam	–	–	–	–	–	–	10	7.3	429	10.8	13 981	7.8
Ralls	98	3.0	12 592	2.7	1 331 681	2.5	267	2.1	26 470	1.7	1 252 956	1.6
Randolph	25	4.4	1 469	3.5	135 293	3.8	203	2.4	13 308	2.0	502 361	1.9
Ray	62	3.4	3 031	5.9	216 166	4.1	267	1.8	18 899	1.1	791 086	1.1
Reynolds	3	11.7	150	13.4	10 370	13.3	–	–	–	–	–	–
Ripley	32	4.8	4 592	3.6	405 536	3.3	36	5.1	1 771	5.0	72 307	4.9
St. Charles	34	3.5	1 588	4.6	152 157	4.8	307	1.4	20 786	1.3	920 439	1.3
St. Clair	102	3.1	7 785	3.0	688 168	3.2	169	2.8	13 626	2.3	579 724	2.5
Ste. Genevieve	40	4.1	1 171	7.3	94 016	6.6	138	2.3	6 081	2.3	265 998	2.1
St. Francois	1	–	(D)	(D)	(D)	(D)	22	4.4	636	4.0	20 790	3.3
St. Louis	7	10.9	443	11.2	32 888	15.7	58	3.3	6 224	2.8	289 956	2.6
Saline	39	4.3	1 671	4.6	140 252	4.8	403	1.8	29 374	1.2	1 434 415	1.1
Schuyler	1	38.0	(D)	(D)	(D)	(D)	30	4.5	1 198	4.0	44 165	3.9
Scotland	6	10.0	251	12.7	15 640	13.1	102	2.7	4 473	2.9	171 494	3.3
Scott	129	2.2	14 699	1.6	1 360 762	1.6	266	1.8	36 062	.9	1 650 427	.9
Shannon	–	–	–	–	–	–	1	28.4	(D)	(D)	(D)	(D)
Shelby	135	2.5	11 469	2.0	1 027 691	1.9	304	1.8	19 734	1.6	778 967	1.6
Stoddard	333	1.8	36 119	1.5	3 406 455	1.4	372	1.5	46 060	1.0	2 306 141	.9
Stone	–	–	–	–	–	–	2	12.8	(D)	(D)	(D)	(D)
Sullivan	12	7.4	713	6.7	59 180	6.7	30	4.5	1 816	3.0	69 304	3.0
Taney	–	–	–	–	–	–	2	10.3	(D)	(D)	(D)	(D)
Texas	3	11.5	10	12.2	440	12.9	8	6.9	150	3.6	6 500	2.7
Vernon	233	2.3	22 448	1.9	1 944 636	2.1	326	2.3	36 759	1.7	1 599 069	1.6
Warren	35	3.7	1 798	4.7	168 631	4.4	178	1.9	10 403	1.6	416 845	1.8
Washington	–	–	–	–	–	–	1	49.6	(D)	(D)	(D)	(D)
Wayne	27	5.6	1 754	6.5	132 216	6.6	10	6.0	891	2.5	34 882	2.2
Webster	3	7.1	28	7.6	898	4.2	28	4.4	365	3.4	10 083	4.6
Worth	6	10.9	353	12.3	26 973	11.9	9	6.0	300	4.7	8 280	5.8
Wright	4	–	269	–	15 607	–	9	5.4	389	5.0	10 826	3.7

Selected crops harvested —Con.

Geographic area	Cotton Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Bales	Relative standard error of estimate (percent)	Soybeans for beans Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Quantity Bushels	Relative standard error of estimate (percent)
Missouri	**1 045**	**1.3**	**313 226**	**.5**	**500 430**	**.4**	**26 600**	**1.6**	**4 208 729**	**1.0**	**150 385 224**	**1.0**
Adair	–	–	–	–	–	–	269	2.9	28 925	2.8	922 268	2.9
Andrew	–	–	–	–	–	–	451	1.8	62 057	1.4	2 255 286	1.3
Atchison	–	–	–	–	–	–	410	1.5	102 720	.9	4 072 077	.8
Audrain	–	–	–	–	–	–	626	1.4	115 150	1.0	4 078 140	.9
Barry	–	–	–	–	–	–	11	6.8	622	7.4	18 724	7.5
Barton	–	–	–	–	–	–	387	1.9	49 357	1.5	1 362 508	1.5
Bates	–	–	–	–	–	–	410	2.0	63 110	1.2	2 237 236	1.2
Benton	–	–	–	–	–	–	139	2.8	12 328	2.7	475 272	2.9
Bollinger	–	–	–	–	–	–	173	2.9	15 952	2.1	534 418	2.2
Boone	–	–	–	–	–	–	311	1.8	43 250	1.5	1 456 144	1.5
Buchanan	–	–	–	–	–	–	423	1.7	54 569	1.5	1 796 845	1.5
Butler	15	4.5	1 281	6.1	1 592	5.8	385	2.2	81 805	1.2	2 853 324	1.0
Caldwell	–	–	–	–	–	–	361	2.7	38 889	2.4	1 483 567	2.5
Callaway	–	–	–	–	–	–	325	2.0	49 860	1.6	1 871 851	1.6
Camden	–	–	–	–	–	–	3	23.6	180	22.3	6 000	22.2
Cape Girardeau	–	–	–	–	–	–	410	1.7	41 458	1.3	1 439 606	1.3
Carroll	–	–	–	–	–	–	572	2.0	106 063	1.3	4 138 565	1.2
Carter	–	–	–	–	–	–	2	25.0	(D)	(D)	(D)	(D)
Cass	–	–	–	–	–	–	387	1.9	65 123	1.2	2 531 026	1.2
Cedar	–	–	–	–	–	–	50	4.4	3 830	4.2	131 650	4.0
Chariton	–	–	–	–	–	–	624	1.6	115 918	1.1	4 382 651	1.1
Christian	–	–	–	–	–	–	5	8.9	184	9.0	6 246	12.6
Clark	–	–	–	–	–	–	353	2.1	51 198	1.6	1 882 026	1.6
Clay	–	–	–	–	–	–	135	2.6	25 159	2.2	985 418	1.9
Clinton	–	–	–	–	–	–	262	1.6	36 206	1.4	1 429 666	1.3
Cole	–	–	–	–	–	–	141	2.6	7 789	2.9	302 946	2.9
Cooper	–	–	–	–	–	–	428	2.0	47 511	1.5	1 788 189	1.4
Crawford	–	–	–	–	–	–	14	7.0	896	5.8	27 996	5.5
Dade	–	–	–	–	–	–	132	2.8	17 175	2.4	461 955	2.5
Dallas	–	–	–	–	–	–	2	–	(D)	(D)	(D)	(D)
Daviess	–	–	–	–	–	–	429	2.3	71 338	1.9	2 447 835	1.8
De Kalb	–	–	–	–	–	–	287	2.8	32 959	2.1	1 217 841	2.0
Dent	–	–	–	–	–	–	5	12.9	206	14.9	6 262	15.0
Douglas	–	–	–	–	–	–	2	25.0	(D)	(D)	(D)	(D)

See footnotes at end of table.

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

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

Geographic area	Cotton Farms Number	Cotton Farms Relative standard error of estimate (percent)	Cotton Acres Number	Cotton Acres Relative standard error of estimate (percent)	Cotton Quantity Bales	Cotton Quantity Relative standard error of estimate (percent)	Soybeans Farms Number	Soybeans Farms Relative standard error of estimate (percent)	Soybeans Acres Number	Soybeans Acres Relative standard error of estimate (percent)	Soybeans Quantity Bushels	Soybeans Quantity Relative standard error of estimate (percent)
Dunklin	364	1.5	126 863	.6	198 962	.5	380	1.6	76 327	1.2	2 276 640	1.1
Franklin	1	21.3	(D)	(D)	(D)	(D)	250	1.8	19 435	2.1	706 847	2.1
Gasconade	–	–	–	–	–	–	127	2.5	7 099	2.8	256 356	3.1
Gentry	–	–	–	–	–	–	323	2.1	42 818	1.8	1 438 119	1.6
Greene	–	–	–	–	–	–	14	8.1	1 052	6.3	28 915	5.7
Grundy	–	–	–	–	–	–	304	2.3	65 845	1.9	2 240 821	1.7
Harrison	–	–	–	–	–	–	368	2.7	53 884	2.1	1 853 988	2.0
Henry	–	–	–	–	–	–	334	2.1	40 208	1.8	1 344 294	1.9
Hickory	–	–	–	–	–	–	16	5.4	1 644	3.3	52 259	3.1
Holt	–	–	–	–	–	–	401	1.7	86 141	1.0	3 159 611	1.0
Howard	–	–	–	–	–	–	283	2.3	35 056	1.8	1 260 315	1.7
Howell	–	–	–	–	–	–	3	17.2	38	11.3	1 194	7.7
Iron	–	–	–	–	–	–	–	–	–	–	–	–
Jackson	–	–	–	–	–	–	189	2.3	35 371	1.2	1 474 301	1.1
Jasper	–	–	–	–	–	–	230	2.2	27 125	1.8	760 732	1.8
Jefferson	–	–	–	–	–	–	82	3.2	7 389	2.7	250 900	2.5
Johnson	–	–	–	–	–	–	447	1.9	43 593	1.3	1 690 730	1.3
Knox	–	–	–	–	–	–	383	1.9	57 408	1.4	1 991 271	1.4
Laclede	–	–	–	–	–	–	2	25.0	(D)	(D)	(D)	(D)
Lafayette	–	–	–	–	–	–	727	1.3	96 364	.9	4 112 572	.9
Lawrence	–	–	–	–	–	–	106	3.6	7 033	3.5	212 035	3.6
Lewis	–	–	–	–	–	–	365	2.3	50 383	1.7	1 899 487	1.6
Lincoln	–	–	–	–	–	–	420	1.7	39 971	1.3	1 388 033	1.3
Linn	–	–	–	–	–	–	372	1.9	56 121	1.5	1 840 811	1.4
Livingston	–	–	–	–	–	–	453	2.2	94 335	1.6	3 115 557	1.6
McDonald	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Macon	–	–	–	–	–	–	482	2.2	67 453	1.7	2 095 763	1.6
Madison	–	–	–	–	–	–	5	13.5	201	25.8	7 540	25.9
Maries	–	–	–	–	–	–	11	7.0	562	7.3	18 129	7.3
Marion	–	–	–	–	–	–	394	2.0	45 548	1.5	1 748 802	1.4
Mercer	–	–	–	–	–	–	193	3.0	22 107	2.2	712 529	2.3
Miller	–	–	–	–	–	–	47	4.0	1 703	6.6	57 154	6.7
Mississippi	18	3.8	3 995	1.8	5 723	2.0	246	1.5	134 789	.7	5 246 209	.6
Moniteau	–	–	–	–	–	–	176	2.2	12 322	2.9	437 448	2.7
Monroe	–	–	–	–	–	–	453	2.1	67 502	1.3	2 047 207	1.3
Montgomery	–	–	–	–	–	–	399	1.4	46 765	1.1	1 728 143	1.2
Morgan	–	–	–	–	–	–	115	2.9	8 643	2.2	305 392	2.0
New Madrid	279	1.4	78 798	.5	129 107	.4	394	1.5	145 785	.8	5 342 669	.7
Newton	–	–	–	–	–	–	59	3.2	3 586	4.0	101 805	3.9
Nodaway	–	–	–	–	–	–	863	1.7	124 457	1.2	4 461 936	1.2
Oregon	–	–	–	–	–	–	3	11.9	180	16.8	6 160	16.9
Osage	–	–	–	–	–	–	157	2.0	9 675	1.8	388 511	1.8
Ozark	–	–	–	–	–	–	–	–	–	–	–	–
Pemiscot	235	1.8	71 170	.7	112 539	.6	327	1.6	145 418	.7	5 333 553	.7
Perry	–	–	–	–	–	–	297	1.8	28 255	1.5	937 170	1.6
Pettis	–	–	–	–	–	–	492	1.8	65 025	1.3	2 381 858	1.2
Phelps	1	–	(D)	(D)	(D)	(D)	6	9.0	459	12.9	14 810	12.5
Pike	–	–	–	–	–	–	433	1.9	54 811	1.3	1 925 159	1.2
Platte	–	–	–	–	–	–	270	1.9	54 767	1.1	1 800 333	1.0
Polk	–	–	–	–	–	–	16	5.9	799	6.7	29 549	7.4
Pulaski	–	–	–	–	–	–	–	–	–	–	–	–
Putnam	–	–	–	–	–	–	113	3.2	13 496	2.4	460 666	2.2
Ralls	–	–	–	–	–	–	308	2.0	61 580	1.3	2 217 231	1.1
Randolph	–	–	–	–	–	–	264	2.2	33 327	1.7	1 037 903	1.6
Ray	–	–	–	–	–	–	428	1.6	75 346	.9	2 734 052	.9
Reynolds	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Ripley	–	–	–	–	–	–	38	4.6	8 819	2.6	315 417	2.7
St. Charles	–	–	–	–	–	–	383	1.3	58 468	.9	2 244 942	.8
St. Clair	–	–	–	–	–	–	154	3.0	17 822	2.2	587 869	2.3
Ste. Genevieve	–	–	–	–	–	–	111	2.5	9 811	1.9	384 232	1.8
St. Francois	–	–	–	–	–	–	16	6.8	909	7.9	26 494	8.5
St. Louis	1	43.3	(D)	(D)	(D)	(D)	71	3.0	11 323	2.8	398 533	2.6
Saline	–	–	–	–	–	–	623	1.9	117 224	1.2	4 909 064	1.1
Schuyler	–	–	–	–	–	–	126	2.9	14 296	3.0	460 108	2.6
Scotland	–	–	–	–	–	–	302	2.2	41 435	1.5	1 546 076	1.4
Scott	47	2.7	9 411	1.1	15 390	.8	335	1.7	84 893	1.0	2 801 711	1.0
Shannon	–	–	–	–	–	–	1	28.4	(D)	(D)	(D)	(D)
Shelby	–	–	–	–	–	–	441	1.7	76 432	1.4	2 604 712	1.4
Stoddard	84	1.3	21 616	.4	37 017	.4	586	1.4	138 409	.8	4 815 690	.7
Stone	–	–	–	–	–	–	1	–	(D)	(D)	(D)	(D)
Sullivan	–	–	–	–	–	–	192	2.7	23 958	2.0	755 040	2.0
Taney	–	–	–	–	–	–	3	9.8	125	11.9	2 564	14.8
Texas	–	–	–	–	–	–	–	–	–	–	–	–
Vernon	–	–	–	–	–	–	378	2.3	53 570	1.7	1 588 709	1.6
Warren	–	–	–	–	–	–	184	1.8	20 471	1.5	753 361	1.5
Washington	–	–	–	–	–	–	2	27.5	(D)	(D)	(D)	(D)
Wayne	–	–	–	–	–	–	32	5.4	3 296	4.4	87 281	4.6
Webster	–	–	–	–	–	–	–	–	–	–	–	–
Worth	–	–	–	–	–	–	163	2.3	15 188	2.4	527 449	2.4
Wright	–	–	–	–	–	–	2	12.0	(D)	(D)	(D)	(D)

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 28
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

Geographic area	Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Missouri	**57 749**	**1.4**	**3 470 298**	**1.5**	**6 109 410**	**1.5**
Adair	573	2.4	51 527	2.6	76 849	2.7
Andrew	469	1.7	20 336	1.7	47 594	1.8
Atchison	198	1.7	7 264	1.7	19 808	1.4
Audrain	487	1.5	20 321	1.5	38 843	1.5
Barry	942	1.7	56 586	1.9	101 358	2.1
Barton	530	1.6	36 792	1.8	62 853	1.7
Bates	789	1.7	61 742	1.7	106 795	1.9
Benton	559	1.8	37 373	2.1	62 064	2.2
Bollinger	523	1.8	26 833	2.4	44 496	2.5
Boone	712	1.3	38 269	1.9	59 423	2.0
Buchanan	363	1.7	13 496	1.7	25 147	1.8
Butler	180	2.5	7 612	3.6	10 932	3.7
Caldwell	487	2.2	32 739	2.3	60 120	2.3
Callaway	757	1.4	39 027	1.7	65 158	1.9
Camden	340	1.7	20 045	2.1	29 779	2.3
Cape Girardeau	787	1.4	38 039	1.5	75 446	1.6
Carroll	438	1.9	24 637	2.0	43 793	2.0
Carter	100	3.2	5 825	4.5	8 055	5.7
Cass	934	1.4	49 957	1.6	94 240	1.7
Cedar	547	1.8	34 317	2.3	55 810	2.5
Chariton	562	1.6	32 826	1.7	54 793	1.5
Christian	781	1.9	45 694	2.1	92 254	2.1
Clark	381	2.1	22 906	2.2	43 149	2.4
Clay	356	1.7	21 800	1.8	36 349	1.9
Clinton	458	1.3	28 193	1.6	48 051	1.8
Cole	752	1.4	33 603	1.8	59 064	1.9
Cooper	548	1.8	30 225	1.8	54 587	1.9
Crawford	420	1.6	24 859	1.8	37 843	1.9
Dade	558	2.0	39 759	2.2	72 756	2.4
Dallas	760	1.3	49 972	1.4	76 507	1.5
Daviess	470	2.0	25 130	2.3	44 964	2.1
De Kalb	453	2.3	29 071	2.7	54 006	2.7
Dent	432	1.6	23 381	1.9	42 985	2.0
Douglas	703	1.6	37 191	1.7	62 743	1.8
Dunklin	25	6.5	(D)	(D)	(D)	(D)
Franklin	1 119	1.1	48 846	1.3	81 474	1.3
Gasconade	617	1.2	29 165	1.7	47 204	1.9
Gentry	393	1.8	32 863	1.8	62 137	1.7
Greene	1 283	1.3	76 988	1.5	137 005	1.6
Grundy	343	2.1	22 280	2.8	38 607	2.7
Harrison	561	2.4	48 737	2.4	93 018	2.4
Henry	627	1.9	51 157	2.1	86 790	2.3
Hickory	413	1.6	34 251	1.7	49 677	1.9
Holt	173	2.2	5 810	2.0	16 240	2.0
Howard	376	2.0	23 235	2.4	40 832	2.9
Howell	920	1.7	46 318	1.8	80 826	1.7
Iron	190	1.9	9 023	2.7	13 233	3.3
Jackson	384	1.7	16 434	2.2	27 973	2.3
Jasper	815	1.6	49 029	2.0	89 069	1.9
Jefferson	397	1.5	18 984	2.2	31 438	2.6
Johnson	1 072	1.4	68 006	1.7	113 129	1.7
Knox	344	2.1	30 368	2.2	56 295	2.1
Laclede	776	1.5	52 954	1.6	96 229	1.6
Lafayette	742	1.3	29 222	1.3	59 646	1.2
Lawrence	1 118	1.5	83 965	1.7	168 137	1.6
Lewis	325	2.2	18 427	2.2	40 706	2.3
Lincoln	508	1.6	18 788	1.9	36 098	1.9
Linn	555	1.8	51 489	1.8	83 183	1.9
Livingston	382	1.9	19 997	1.9	35 175	2.0
McDonald	594	1.4	31 574	1.7	58 639	1.9
Macon	687	1.8	53 664	2.0	85 626	2.0
Madison	247	1.7	17 035	2.2	22 615	2.5
Maries	549	1.6	33 746	1.9	50 630	2.2
Marion	389	1.9	18 368	2.1	35 106	1.9
Mercer	315	2.7	30 775	3.0	62 199	3.4
Miller	718	1.4	37 493	1.6	58 548	1.7
Mississippi	18	5.8	1 948	4.3	2 417	3.5
Moniteau	659	1.4	38 128	1.6	59 457	1.8
Monroe	478	2.1	29 438	2.1	50 291	2.5
Montgomery	352	1.4	16 345	1.7	27 981	1.8
Morgan	579	1.7	34 683	2.0	55 578	2.1
New Madrid	7	11.3	(D)	(D)	(D)	(D)
Newton	1 014	1.2	57 075	1.5	105 240	1.7
Nodaway	821	1.5	45 085	1.5	102 204	1.4
Oregon	397	2.2	21 886	2.1	42 185	2.2
Osage	847	1.2	43 685	1.4	85 921	1.5
Ozark	402	2.0	18 846	1.9	33 166	1.9
Pemiscot	11	7.5	990	14.9	1 503	8.0
Perry	556	1.4	25 457	1.6	53 836	1.5

See footnotes at end of table.

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 29
TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

Geographic area	Selected crops harvested —Con.					
	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Pettis	735	1.4	41 331	1.3	70 459	1.3
Phelps	440	1.4	23 198	1.4	38 289	1.6
Pike	486	1.9	24 312	2.4	45 922	2.4
Platte	314	1.4	13 052	1.6	22 355	1.8
Polk	1 110	1.3	77 531	1.4	136 664	1.5
Pulaski	278	1.7	15 684	2.2	22 465	2.0
Putnam	426	2.4	44 805	2.5	86 226	2.6
Ralls	294	1.9	15 544	2.1	27 466	2.0
Randolph	446	1.8	27 089	1.9	38 262	1.9
Ray	576	1.5	28 539	2.0	47 372	2.1
Reynolds	185	1.9	9 639	2.3	12 559	2.3
Ripley	233	2.4	12 976	2.8	21 593	3.0
St. Charles	314	1.4	11 487	1.6	25 034	1.5
St. Clair	502	2.1	46 237	2.5	78 479	2.7
Ste. Genevieve	450	1.4	23 219	1.8	40 690	2.0
St. Francois	480	1.1	24 556	1.5	37 479	1.9
St. Louis	77	3.3	3 091	5.0	4 853	5.4
Saline	455	1.8	22 779	2.1	41 167	2.1
Schuyler	373	2.0	32 090	2.2	56 000	2.2
Scotland	345	2.1	25 243	2.4	47 508	2.4
Scott	165	2.2	5 905	2.3	12 022	3.1
Shannon	252	2.3	15 487	3.2	26 147	3.5
Shelby	333	1.9	22 687	1.7	38 425	1.8
Stoddard	231	2.3	7 479	2.8	12 529	3.6
Stone	356	2.0	18 893	2.2	36 063	2.3
Sullivan	518	1.9	59 461	1.8	93 746	1.8
Taney	230	1.9	11 410	1.8	19 477	1.8
Texas	988	1.5	64 826	1.6	110 387	1.6
Vernon	768	1.8	54 181	2.1	93 973	2.2
Warren	275	1.5	9 928	1.8	17 022	2.0
Washington	309	1.7	15 183	2.5	18 990	2.7
Wayne	198	2.2	8 989	2.9	13 582	3.1
Webster	1 065	1.3	63 839	1.3	116 689	1.3
Worth	226	2.0	19 928	2.5	39 936	2.6
Wright	869	1.6	58 357	1.6	111 868	1.5

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

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TSF:TIPS92-15000308.DAT;1 2/16/94 15:00:12 UTF:TIPS93-15000308.DAT;1 2/16/94 15:00:13 META:VOL1_TIPS96_APX_43.DAT;2 2/16/94 15:01:54

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

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

Item	Census published farms Total (number)	Census published farms Relative standard error of estimate (percent)	Not on mail list [1] Total (number)	Not on mail list [1] Relative standard error of estimate (percent)	Percent not on mail list [1] Total (percent)	Percent not on mail list [1] Standard error of percent
Farms _____number__	98 082	1.4	9 600	19.2	8.9	1.6
Land in farms _____acres__	28 546 875	1.3	894 711	23.4	3.0	.7
Average size of farm _____acres __	291.1	.3	93.2	23.0	(X)	(X)
Farms by size:						
Less than 10 acres _____	3 926	1.3	636	44.8	13.9	5.9
10 to 49 acres _____	16 211	1.0	5 429	28.6	25.1	5.4
Less than 50 acres _____	20 137	1.0	6 065	25.9	23.1	4.7
50 acres or more _____	77 945	1.5	3 536	22.6	4.3	.9
50 to 99 acres _____	15 686	1.2	1 566	35.7	9.1	2.9
100 to 179 acres _____	18 968	1.5	1 144	39.1	5.7	2.1
180 acres or more _____	43 291	1.7	825	41.8	1.9	.8
Harvested cropland _____ farms __	74 240	1.4	5 088	21.1	6.4	1.3
acres__	12 158 832	1.1	226 771	23.9	1.8	.4
Farms by value of sales:						
Less than $1,000 _____	9 652	1.1	2 729	34.4	22.0	5.9
$1,000 to $2,499 _____	10 986	1.0	3 196	39.1	22.5	6.8
Less than $2,500 _____	20 638	1.0	5 925	27.8	22.3	4.8
$2,500 or more _____	77 444	1.5	3 675	22.2	4.5	1.0
$2,500 to $9,999 _____	30 231	1.3	2 843	26.7	8.6	2.1
$10,000 or more _____	47 213	1.8	833	32.4	1.7	.5
Market value of agricultural products sold ____$1,000 __	4 303 148	.8	58 636	31.7	1.3	.4
Farms by standard industrial classification:						
Crops (01) _____	31 496	1.5	2 688	28.4	7.9	2.0
Livestock (02) _____	66 586	1.4	6 704	23.1	9.1	2.0
Farms by type of organization:						
Individual or family _____	86 776	1.4	8 637	20.0	9.1	1.7
Partnership or corporation _____	10 820	1.7	963	46.1	8.2	3.4
Other _____	486	2.0	−	(X)	−	(X)
Farms by tenure of operator:						
Full owners _____	63 421	1.3	7 421	20.2	10.5	1.9
Part owners and tenants _____	34 661	1.5	2 180	48.8	5.9	2.7
Part owners _____	26 498	1.5	1 791	59.0	6.3	3.5
Tenants _____	8 163	1.8	389	69.9	4.5	3.0
Operators by place of residence:						
On farm operated _____	72 664	1.3	8 404	21.1	10.4	2.0
Not on farm operated _____	18 482	1.6	855	41.2	4.4	1.7
Not reported _____	6 936	1.4	341	63.0	4.7	2.8
Operators by principal occupation:						
Farming _____	49 248	1.5	2 441	47.9	4.7	2.1
Other _____	48 834	1.3	6 295	20.2	11.4	2.1
Operators by sex:						
Male _____	90 965	1.4	9 075	19.3	9.1	1.6
Female _____	7 117	1.4	525	57.1	6.9	3.7
Operators by race:						
White _____	97 662	1.4	8 667	20.6	8.2	1.6
Black and other races _____	420	1.9	−	(X)	−	(X)
Operators by years on present farm:						
4 years or less _____	11 783	1.6	2 286	30.0	16.2	4.3
5 years or more _____	69 807	1.4	5 078	27.4	6.8	1.7
Average years on present farm _____	19.9	2.0	12.4	40.2	(X)	(X)
Not reported _____	16 492	1.4	2 237	30.6	11.9	3.2
Average age of operator _____	53.8	.1	53.8	20.9	(X)	(X)

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

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

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APPENDIX C   C–37

TIPS [UPF] BATCH_688 [ACEN,C_ARLEDGE] 2/22/94 8:59 AM MACHINE: EPCV21 DATA:VOL1_TIPS_APX_43.TIPS;1 * 2/16/94 14:59:00 TAPE: NOreel FRAME: 31
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