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__	14.3
Land in farms_____acres__	8.9
Estimated market value of land and buildings[1]_____$1,000__	4.4
Market value of agricultural products sold __$1,000__	7.0
Harvested cropland _____acres__	8.4
Corn for grain or seed _____acres__	8.0
Wheat for grain _____acres__	10.5
Livestock and poultry inventory:	
Cattle and calves _____number__	9.2
Hogs and pigs _____number__	5.8
Hens and pullets of laying age_____number__	.9

[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	6.3
50	4.4
75	3.6
100	3.1
150	2.5
200	2.1
300	1.7
500	1.2
750	.9
1,000	.6
1,500	.3
2,000	.2
SAMPLE COUNT ITEM	
Number of farms reporting:	
25	27.6
50	21.7
75	19.3
100	18.0
150	16.6
200	15.8
300	15.0
500	14.4
750	14.0
1,000	13.9
1,500	13.7
2,000	13.6

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 under- counted 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 cen- sus 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 Agricul- tural 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 esti- mator 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 esti- mate 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 Evalua- tion 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	77 610	.9
Land in farms ___acres	27 250 340	.6
Average size of farm ___acres	351	1.1
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD		
Total sales (see text) ___farms	77 610	.9
$1,000	7 336 864	.5
Average per farm ___dollars	94 535	1.0
Farms by value of sales:		
Less than $1,000 (see text) ___farms	4 134	1.9
$1,000	1 292	2.1
$1,000 to $2,499 ___farms	5 044	1.8
$1,000	8 455	1.7
$2,500 to $4,999 ___farms	5 613	1.4
$1,000	20 268	1.4
$5,000 to $9,999 ___farms	6 898	1.1
$1,000	49 665	1.1
$10,000 to $19,999 ___farms	8 565	1.1
$1,000	124 195	1.1
$20,000 to $24,999 ___farms	3 235	1.3
$1,000	72 247	1.3
$25,000 to $39,999 ___farms	6 876	1.3
$1,000	219 819	1.3
$40,000 to $49,999 ___farms	3 487	1.3
$1,000	155 476	1.3
$50,000 to $99,999 ___farms	11 572	1.2
$1,000	838 560	1.2
$100,000 to $249,999 ___farms	14 884	1.0
$1,000	2 369 080	.9
$250,000 to $499,999 ___farms	5 496	–
$1,000	1 863 075	–
$500,000 or more ___farms	1 806	–
$1,000	1 614 732	–
Sales by commodity or commodity group:		
Crops, including nursery and greenhouse crops ___farms	64 155	.9
$1,000	5 251 328	.6
Grains ___farms	60 099	.9
$1,000	4 884 427	.6
Corn for grain ___farms	51 896	.9
$1,000	2 751 981	.6
Wheat ___farms	16 935	1.0
$1,000	162 549	.8
Soybeans ___farms	52 261	.9
$1,000	1 916 168	.6
Sorghum for grain ___farms	2 503	1.2
$1,000	29 070	1.2
Barley ___farms	57	3.9
$1,000	117	5.4
Oats ___farms	2 612	.9
$1,000	4 436	.9
Other grains ___farms	733	1.2
$1,000	20 106	1.0
Cotton and cottonseed ___farms	–	–
$1,000	–	–
Tobacco ___farms	2	21.4
$1,000	(D)	(D)
Hay, silage, and field seeds ___farms	11 019	.9
$1,000	57 860	1.0
Vegetables, sweet corn, and melons ___farms	1 714	1.0
$1,000	65 346	.6
Fruits, nuts, and berries ___farms	667	1.6
$1,000	16 058	1.0
Nursery and greenhouse crops ___farms	1 036	1.3
$1,000	221 264	.3
Other crops ___farms	98	3.1
$1,000	(D)	(D)
Livestock, poultry, and their products ___farms	37 393	.9
$1,000	2 085 535	.4
Poultry and poultry products ___farms	1 168	1.3
$1,000	78 570	.3
Dairy products ___farms	2 695	1.1
$1,000	270 259	.8
Cattle and calves ___farms	26 419	.9
$1,000	725 634	.4
Hogs and pigs ___farms	14 142	.9
$1,000	985 472	.4
Sheep, lambs, and wool ___farms	3 168	1.1
$1,000	6 267	1.8
Other livestock and livestock products (see text) ___farms	2 670	1.3
$1,000	19 334	1.5
Value of agricultural products sold directly to individuals for human consumption (see text) ___farms	2 338	1.2
$1,000	10 586	1.0

Item	Total	Relative standard error of estimate (percent)
FARM PRODUCTION EXPENSES[1]		
Total farm production expenses ___farms	77 606	1.1
$1,000	5 088 894	.7
Average per farm ___dollars	65 573	1.3
Livestock and poultry purchased ___farms	21 039	1.7
$1,000	434 193	1.2
Feed for livestock and poultry ___farms	34 430	1.4
$1,000	531 978	1.2
Commercially mixed formula feeds ___farms	16 173	1.8
$1,000	223 070	1.4
Seeds, bulbs, plants, and trees ___farms	63 590	1.2
$1,000	357 597	.9
Commercial fertilizer ___farms	62 069	1.2
$1,000	645 280	1.0
Agricultural chemicals ___farms	63 410	1.2
$1,000	439 672	1.0
Petroleum products ___farms	74 895	1.1
$1,000	322 542	.9
Electricity ___farms	60 437	1.1
$1,000	89 416	1.0
Hired farm labor ___farms	25 398	1.5
$1,000	300 090	.8
Contract labor ___farms	4 691	3.4
$1,000	15 302	5.3
Repair and maintenance ___farms	66 831	1.1
$1,000	375 501	1.0
Customwork, machine hire, and rental of machinery and equipment ___farms	32 690	1.4
$1,000	100 931	2.1
Interest expense ___farms	42 731	1.3
$1,000	431 344	1.1
Secured by real estate ___farms	26 975	1.5
$1,000	259 444	1.4
Not secured by real estate ___farms	28 488	1.5
$1,000	171 900	1.3
Cash rent ___farms	25 142	1.5
$1,000	422 189	1.3
Property taxes ___farms	65 516	1.1
$1,000	153 680	1.1
All other farm production expenses ___farms	73 378	1.1
$1,000	469 178	.9
NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT) [1]		
All farms ___number	77 606	1.1
$1,000	2 169 423	1.0
Average per farm ___dollars	27 954	1.4
Farms with net gains [2] ___number	54 137	1.2
$1,000	2 342 419	.9
Average net gain ___dollars	43 268	1.5
Farms with net losses ___number	23 469	1.5
$1,000	172 996	2.2
Average net loss ___dollars	7 371	2.6
GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Government payments ___farms	40 252	.9
$1,000	320 532	.6
Other farm-related income [1] ___farms	23 144	1.6
$1,000	133 464	2.8
Customwork and other agricultural services ___farms	9 379	2.4
$1,000	63 247	4.3
Gross cash rent or share payments ___farms	5 767	3.1
$1,000	53 123	4.3
Forest products and Christmas trees ___farms	941	7.6
$1,000	4 958	10.2
Other farm-related income sources ___farms	11 826	2.1
$1,000	12 135	4.1
COMMODITY CREDIT CORPORATION LOANS		
Total ___farms	9 575	.8
$1,000	340 617	.5

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)
LAND IN FARMS ACCORDING TO USE			**TENURE OF OPERATOR**		
			All operators ———— farms__	77 610	.9
Total cropland ———— farms__	72 626	.9	acres__	27 250 340	.6
acres__	24 164 457	.6	Full owners ———— farms__	34 158	1.0
Harvested cropland ———— farms__	69 425	.9	acres__	4 758 798	.9
acres__	21 868 287	.6	Part owners ———— farms__	29 217	.8
Farms by acres harvested:			acres__	17 196 302	.6
1 to 9 acres ———— farms__	5 140	1.7	Tenants ———— farms__	14 235	1.0
acres__	25 593	1.7	acres__	5 295 240	.8
10 to 19 acres ———— farms__	4 480	1.5			
acres__	60 882	1.5	**OWNED AND RENTED LAND**		
20 to 29 acres ———— farms__	3 193	1.3			
acres__	74 420	1.2			
30 to 49 acres ———— farms__	4 866	1.1	Land owned ———— farms__	64 128	.9
acres__	184 450	1.1	acres__	11 901 841	.7
			Owned land in farms ———— farms__	63 375	.9
50 to 99 acres ———— farms__	8 588	1.1	acres__	10 454 583	.7
acres__	620 200	1.1	Land rented or leased from others ———— farms__	43 623	.9
100 to 199 acres ———— farms__	11 372	1.2	acres__	16 873 903	.6
acres__	1 634 226	1.2	landlords__	137 592	.7
200 to 499 acres ———— farms__	16 728	1.1	Rented or leased land in farms ———— farms__	43 452	.9
acres__	5 473 785	1.1	acres__	16 795 757	.6
500 to 999 acres ———— farms__	10 803	.7	Land rented or leased to others ———— farms__	11 116	.9
acres__	7 476 329	.7	acres__	1 525 404	1.0
1,000 acres or more ———— farms__	4 255	–			
acres__	6 318 402	–	**OPERATOR CHARACTERISTICS**		
Cropland:					
Pasture or grazing only ———— farms__	20 462	.9	Operators by place of residence:		
acres__	903 169	.9	On farm operated ————	55 586	.9
Other cropland ———— farms__	35 425	.8	Not on farm operated ————	17 643	1.0
acres__	1 393 001	.7	Not reported ————	4 381	1.0
			Operators by principal occupation:		
Total woodland ———— farms__	26 338	.9	Farming ————	47 875	.8
acres__	1 558 764	.8	Other ————	29 735	1.1
Pastureland and rangeland other than cropland and woodland pastured ———— farms__	13 092	.9	Operators by days worked off farm:		
acres__	689 870	.8	Any ————	38 703	1.0
Land in house lots, ponds, roads, wasteland, etc. ———— farms__	48 459	.9	200 days or more ————	24 056	1.1
acres__	837 249	.7	Operators by sex:		
Irrigated land ———— farms__	2 061	.9	Male ———— farms__	73 985	.9
acres__	328 316	.6	acres__	26 638 686	.6
			Female ———— farms__	3 625	1.1
Acres irrigated:			acres__	611 654	1.1
1 to 9 acres ———— farms__	740	1.4			
acres__	1 889	1.7	Average age of operator ———— years__	51.7	1.2
10 to 49 acres ———— farms__	278	2.0			
acres__	6 691	2.1	**FARMS BY TYPE OF ORGANIZATION**		
50 to 99 acres ———— farms__	201	2.2			
acres__	14 587	2.2	Individual or family (sole proprietorship) ———— farms__	65 752	.9
100 to 199 acres ———— farms__	356	1.6	acres__	21 125 676	.7
acres__	49 879	1.6	Partnership ———— farms__	8 997	1.0
200 to 499 acres ———— farms__	324	1.2	acres__	4 242 130	.6
acres__	101 234	1.2	Corporation:		
500 to 999 acres ———— farms__	117	1.2	Family held ———— farms__	2 125	.7
acres__	76 015	1.1	acres__	1 640 582	.3
1,000 acres or more ———— farms__	45	–	More than 10 stockholders ———— farms__	38	4.2
acres__	78 021	–	10 or less stockholders ———— farms__	2 087	.7
Harvested cropland irrigated ———— farms__	2 024	.9	Other than family held ———— farms__	236	1.9
acres__	325 691	.6	acres__	99 572	1.3
Pasture and other land irrigated ———— farms__	83	3.4	More than 10 stockholders ———— farms__	46	3.6
acres__	2 625	3.4	10 or less stockholders ———— farms__	190	2.1
			Other—cooperative, estate or trust, institutional, etc. ———— farms__	500	1.7
Land under federal acreage reduction programs:			acres__	142 380	1.5
Diverted under annual commodity programs ———— farms__	32 510	.9			
acres__	521 280	.6	**HIRED FARM LABOR**		
Conservation Reserve or Wetlands Reserve Programs ———— farms__	8 547	.9			
acres__	465 026	1.0	Hired workers by days worked:		
			150 days or more ———— farms__	10 392	34.1
VALUE OF LAND AND BUILDINGS [1]			workers__	20 763	21.3
			Less than 150 days ———— farms__	22 302	42.2
Estimated market value of land and buildings ———— farms__	77 606	1.1	workers__	63 213	35.4
$1,000__	41 843 678	.9			
Average per farm ———— dollars__	539 181	1.4	**INJURIES AND DEATHS**		
Average per acre ———— dollars__	1 548	1.3			
			Farm-related injuries:		
VALUE OF MACHINERY AND EQUIPMENT [1]			Operator and family members ———— farms__	622	1.4
			number__	705	1.4
Estimated market value of all machinery and equipment ———— farms__	77 455	1.1	Hired workers ———— farms__	413	1.0
$1,000__	5 516 277	1.0	number__	722	.7
Average per farm ———— dollars__	71 219	1.5	Farm-related deaths:		
			Operator and family members ———— farms__	21	5.3
AGRICULTURAL CHEMICALS[1]			number__	22	5.0
			Hired workers ———— farms__	5	6.9
Commercial fertilizer ———— farms__	61 916	1.2	number__	5	6.9
acres on which used __	15 210 333	.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)
FARMS BY SIZE			**LIVESTOCK**—Con.		
1 to 9 acres _____farms __	5 026	1.4	Cattle and calves sold _____farms __	26 419	.9
acres__	19 656	1.7	number__	1 130 433	.5
10 to 49 acres _____farms __	12 191	1.4	$1,000__	725 634	.4
acres__	326 158	1.3	Hogs and pigs inventory _____farms __	13 433	.9
50 to 69 acres _____farms __	3 449	1.2	number__	5 641 115	.4
acres__	201 606	1.2	Hogs and pigs sold _____farms __	14 142	.9
70 to 99 acres _____farms __	5 665	1.1	number__	10 330 124	.5
acres__	464 346	1.1	$1,000__	985 472	.4
100 to 139 acres _____farms __	5 739	1.1			
acres__	670 988	1.1	Sheep and lambs of all ages inventory _____farms __	3 204	1.1
140 to 179 acres _____farms __	5 386	1.2	number__	110 302	1.2
acres__	849 170	1.2	Sheep and lambs sold _____farms __	3 029	1.1
180 to 219 acres _____farms __	4 097	1.2	number__	104 207	1.8
acres__	809 827	1.2			
220 to 259 acres _____farms __	3 601	1.3	Horses and ponies inventory _____farms __	7 357	1.1
acres__	856 115	1.3	number__	46 088	1.2
260 to 499 acres _____farms __	13 629	1.2	Horses and ponies sold _____farms __	1 797	1.3
acres__	4 993 550	1.1	number__	8 254	2.4
500 to 999 acres _____farms __	12 833	.9			
acres__	8 923 941	.9			
1,000 to 1,999 acres _____farms __	5 115	−	**POULTRY**		
acres__	6 735 935	−			
2,000 acres or more _____farms __	879	−	Chickens 3 months old or older inventory _____farms __	2 248	1.3
acres__	2 399 048	−	number__	4 170 867	.3
			Hens and pullets of laying age _____farms __	2 222	1.3
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION			number__	3 874 406	.3
			Broilers and other meat-type chickens sold _____farms __	123	3.1
Cash grains (011) _____farms __	49 694	.9	number__	60 004	7.0
acres__	21 989 234	.7			
Field crops, except cash grains (013) _____farms __	2 116	1.5	**CROPS HARVESTED**		
acres__	217 506	1.4			
Vegetables and melons (016) _____farms __	491	1.8	Corn for grain or seed _____farms __	55 685	.9
acres__	78 536	1.2	acres__	10 770 985	.6
Fruits and tree nuts (017) _____farms __	530	2.0	bushels__	1 532 681 088	.6
acres__	37 920	2.2	Corn for silage or green chop _____farms __	5 005	.9
Horticultural specialties (018) _____farms __	866	1.3	acres__	164 698	.8
acres__	61 293	1.0	tons, green__	2 659 536	.9
General farms, primarily crop (019) _____farms __	1 000	1.6	Sorghum for grain or seed _____farms __	2 811	1.2
acres__	197 944	1.4	acres__	201 360	1.1
Livestock, except dairy, poultry, and animal specialties (021) _____farms __	18 252	.9	bushels__	17 832 460	1.1
acres__	3 725 475	.6	Wheat for grain _____farms __	17 061	1.0
Dairy farms (024) _____farms __	2 027	1.2	acres__	1 075 805	.8
acres__	623 466	1.0	bushels__	54 096 203	.8
Poultry and eggs (025) _____farms __	306	2.0	Oats for grain _____farms __	5 635	.9
acres__	33 546	1.7	acres__	108 363	.8
Animal specialties (027) _____farms __	1 810	1.6	bushels__	6 704 097	.8
acres__	83 450	1.6	Soybeans for beans _____farms __	52 339	.9
General farms, primarily livestock and animal specialties (029) _____farms __	518	1.6	acres__	8 932 399	.6
acres__	201 970	1.2	bushels__	373 563 650	.6
			Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) _____farms __	27 481	.9
LIVESTOCK			acres__	902 899	.8
			tons, dry__	2 463 316	.8
Cattle and calves inventory _____farms __	27 405	.9	Alfalfa hay _____farms __	21 455	.9
number__	1 601 261	.7	acres__	564 384	.8
Beef cows _____farms __	19 392	.9	tons, dry__	1 792 941	.8
number__	447 201	.8	Vegetables harvested for sale (see text) _____farms __	1 714	1.0
Milk cows _____farms __	3 050	1.0	acres__	99 422	.8
number__	151 503	.9	Land in orchards _____farms __	882	1.6
			acres__	11 067	1.6

[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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Table D. Reliability Estimates of State Totals for Farms With Sales of $10,000 or More: 1992

[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]**		
			Total farm production expenses _____farms __	56 098	1.2
Farms _____number__	55 921	.9	$1,000__	4 966 049	.7
Land in farms _____acres__	25 952 055	.6	Average per farm _____dollars __	88 525	1.4
Average size of farm _____acres __	464	1.1			
			Livestock and poultry purchased _____farms __	16 124	1.9
			$1,000__	424 826	1.2
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			Feed for livestock and poultry _____farms __	24 676	1.6
			$1,000__	519 362	1.2
			Commercially mixed formula feeds _____farms __	12 397	2.1
			$1,000__	219 686	1.4
Total sales (see text) _____farms __	55 921	.9			
$1,000__	7 257 183	.5	Seeds, bulbs, plants, and trees _____farms __	52 681	1.2
Average per farm _____dollars __	129 776	1.1	$1,000__	352 968	.9
			Commercial fertilizer _____farms __	51 055	1.2
Farms by value of sales:			$1,000__	635 361	1.0
$10,000 to $19,999 _____farms __	8 565	1.1	Agricultural chemicals _____farms __	51 337	1.3
$1,000__	124 195	1.1	$1,000__	433 639	1.0
$20,000 to $24,999 _____farms __	3 235	1.3	Petroleum products _____farms __	55 243	1.2
$1,000__	72 247	1.3	$1,000__	312 411	.9
$25,000 to $39,999 _____farms __	6 876	1.3	Electricity _____farms __	48 508	1.2
$1,000__	219 819	1.3	$1,000__	85 430	1.0
$40,000 to $49,999 _____farms __	3 487	1.3			
$1,000__	155 476	1.3	Hired farm labor _____farms __	22 169	1.5
			$1,000__	297 956	.8
$50,000 to $99,999 _____farms __	11 572	1.2	Contract labor _____farms __	3 724	3.7
$1,000__	838 560	1.2	$1,000__	14 206	5.3
$100,000 to $249,999 _____farms __	14 884	1.0	Repair and maintenance _____farms __	51 697	1.2
$1,000__	2 369 080	.9	$1,000__	360 713	1.0
$250,000 to $499,999 _____farms __	5 496	–	Customwork, machine hire, and rental of machinery and equipment _____farms __	26 819	1.5
$1,000__	1 863 075	–	$1,000__	97 459	2.2
$500,000 or more _____farms __	1 806	–	Interest expense _____farms __	36 763	1.4
$1,000__	1 614 732	–	$1,000__	417 755	1.1
Sales by commodity or commodity group:			Secured by real estate _____farms __	22 498	1.6
Crops, including nursery and greenhouse crops ____farms __	51 874	.9	$1,000__	247 827	1.4
$1,000__	5 205 990	.6	Not secured by real estate _____farms __	26 107	1.5
Grains _____farms __	50 511	.9	$1,000__	169 928	1.3
$1,000__	4 846 710	.6			
Corn for grain _____farms __	46 233	.9	Cash rent _____farms __	23 265	1.6
$1,000__	2 734 331	.6	$1,000__	420 274	1.3
Wheat _____farms __	15 077	1.0	Property taxes _____farms __	45 857	1.2
$1,000__	159 387	.8	$1,000__	137 096	1.2
Soybeans _____farms __	46 689	.9	All other farm production expenses _____farms __	56 098	1.2
$1,000__	1 900 461	.6	$1,000__	456 592	.9
Sorghum for grain _____farms __	2 099	1.3			
$1,000__	28 118	1.2	**NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)** [1]		
Barley _____farms __	48	4.0			
$1,000__	108	5.7			
Oats _____farms __	2 412	1.0			
$1,000__	4 304	1.0	All farms _____number __	56 098	1.2
Other grains _____farms __	680	1.2	$1,000__	2 212 110	1.0
$1,000__	20 001	1.0	Average per farm _____dollars __	39 433	1.6
Cotton and cottonseed _____farms __	–	–	Farms with net gains [2] _____number __	46 591	1.3
$1,000__	–	–	$1,000__	2 327 939	.9
Tobacco _____farms __	2	21.4	Average net gain _____dollars __	49 965	1.6
$1,000__	(D)	(D)			
Hay, silage, and field seeds _____farms __	8 072	1.0	Farms with net losses _____number __	9 507	2.5
$1,000__	52 637	1.1	$1,000__	115 829	2.7
			Average net loss _____dollars __	12 184	3.7
Vegetables, sweet corn, and melons _____farms __	1 388	1.0			
$1,000__	64 643	.6	**GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME**		
Fruits, nuts, and berries _____farms __	317	2.0			
$1,000__	15 358	1.0			
Nursery and greenhouse crops _____farms __	766	1.3	Government payments _____farms __	35 710	.9
$1,000__	220 319	.3	$1,000__	308 399	.6
Other crops _____farms __	62	3.4	Other farm-related income [1] _____farms __	18 908	1.7
$1,000__	(D)	(D)	$1,000__	116 930	3.0
			Customwork and other agricultural services _____farms __	8 475	2.4
Livestock, poultry, and their products _____farms __	26 786	.9	$1,000__	61 351	4.4
$1,000__	2 051 193	.4	Gross cash rent or share payments _____farms __	3 357	4.0
Poultry and poultry products _____farms __	654	1.4	$1,000__	40 441	5.2
$1,000__	78 130	.3	Forest products and Christmas trees _____farms __	641	9.0
Dairy products _____farms __	2 656	1.1	$1,000__	3 817	11.7
$1,000__	270 120	.8	Other farm-related income sources _____farms __	10 742	2.2
Cattle and calves _____farms __	19 269	.9	$1,000__	11 320	4.1
$1,000__	702 228	.4			
Hogs and pigs _____farms __	12 125	.9			
$1,000__	979 420	.4	**COMMODITY CREDIT CORPORATION LOANS**		
Sheep, lambs, and wool _____farms __	1 998	1.1			
$1,000__	4 923	2.1			
Other livestock and livestock products (see text) _____farms __	1 064	1.3			
$1,000__	16 372	1.8			
Value of agricultural products sold directly to individuals for human consumption (see text) _____farms __	1 330	1.2	Total _____farms __	9 378	.8
$1,000__	9 121	1.1	$1,000__	340 272	.5

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)
LAND IN FARMS ACCORDING TO USE			**FARMS BY TYPE OF ORGANIZATION**		
Total cropland _____ farms __	54 233	.9	Individual or family (sole proprietorship) _____ farms __	46 155	1.0
acres__	23 422 110	.6	acres__	19 987 473	.7
Harvested cropland _____ farms __	53 622	.9	Partnership_____ farms __	7 294	1.0
acres__	21 488 066	.6	acres__	4 123 060	.6
Cropland:			Corporation:		
Pasture or grazing only _____ farms __	14 159	1.0	Family held _____ farms __	1 939	.7
acres__	740 173	.9	acres__	1 621 215	.3
Total woodland _____ farms __	17 684	1.0	More than 10 stockholders _____farms __	30	4.3
acres__	1 246 146	.8	10 or less stockholders _____farms __	1 909	.7
Pastureland and rangeland other than cropland and			Other than family held _____ farms __	182	1.9
woodland pastured _____ farms __	8 681	1.0	acres__	94 100	1.3
acres__	565 414	.8	More than 10 stockholders _____farms __	35	3.5
Land in house lots, ponds, roads, wasteland, etc. _____farms __	34 672	.9	10 or less stockholders _____farms __	147	2.2
acres__	718 385	.7	Other—cooperative, estate or trust, institutional, etc. _____farms __	351	1.9
Irrigated land _____ farms __	1 756	.9	acres__	126 207	1.7
acres__	326 633	.6			
Harvested cropland irrigated _____ farms __	1 735	.9	**HIRED FARM LABOR**		
acres__	324 203	.6	Hired workers by days worked:		
Pasture and other land irrigated _____ farms __	65	3.7	150 days or more _____ farms __	9 332	33.7
acres__	2 430	3.4	workers__	19 663	20.0
Land under federal acreage reduction programs:			Less than 150 days _____ farms __	19 114	45.2
Diverted under annual commodity programs _____ farms __	31 344	.9	workers__	56 981	36.8
acres__	518 693	.6			
Conservation Reserve or Wetlands Reserve			**INJURIES AND DEATHS**		
Programs _____ farms __	6 208	1.0	Farm-related injuries:		
acres__	339 259	.9	Operator and family members _____ farms __	561	1.4
			number__	641	1.4
VALUE OF LAND AND BUILDINGS [1]			Hired workers _____ farms __	398	1.0
Estimated market value of land and buildings _____farms __	56 098	1.2	number__	704	.6
$1,000__	39 607 370	.9	Farm-related deaths:		
Average per farm _____dollars __	706 039	1.5	Operator and family members _____ farms __	15	4.9
Average per acre _____dollars __	1 542	1.3	number__	(D)	(D)
			Hired workers _____ farms __	5	6.9
VALUE OF MACHINERY AND EQUIPMENT [1]			number__	(D)	(D)
Estimated market value of all machinery and					
equipment _____ farms __	56 067	1.2	**FARMS BY SIZE**		
$1,000__	5 196 491	1.0	1 to 9 acres _____	1 530	1.4
Average per farm _____dollars __	92 684	1.6	10 to 49 acres _____	2 193	1.2
			50 to 69 acres _____	1 286	1.3
AGRICULTURAL CHEMICALS [1]			70 to 99 acres _____	3 318	1.2
Commercial fertilizer _____ farms __	50 945	1.2	100 to 139 acres _____	4 153	1.2
acres on which used __	14 955 518	1.0	140 to 179 acres _____	4 546	1.2
			180 to 219 acres _____	3 645	1.3
TENURE OF OPERATOR			220 to 259 acres _____	3 341	1.3
All operators _____ farms __	55 921	.9	260 to 499 acres _____	13 182	1.2
acres__	25 952 055	.6	500 to 999 acres _____	12 750	.9
Full owners _____ farms __	17 038	1.0	1,000 to 1,999 acres _____	5 102	–
acres__	3 776 882	.9	2,000 acres or more _____	875	–
Part owners _____ farms __	26 722	.9			
acres__	16 981 112	.6	**FARMS BY STANDARD INDUSTRIAL CLASSIFICATION**		
Tenants_____ farms __	12 161	1.1			
acres__	5 194 061	.8	Cash grains (011) _____	41 377	.9
			Field crops, except cash grains (013) _____	458	1.9
OWNED AND RENTED LAND			Vegetables and melons (016) _____	288	2.0
Land owned _____ farms __	44 396	.9	Fruits and tree nuts (017) _____	143	2.8
acres__	10 383 922	.8	Horticultural specialties (018) _____	638	1.4
Owned land in farms _____ farms __	43 760	.9	General farms, primarily crop (019) _____	385	1.7
acres__	9 358 357	.7	Livestock, except dairy, poultry, and animal specialties		
			(021) _____	9 962	.9
Land rented or leased from others _____farms __	38 975	.9	Dairy farms (024) _____	2 005	1.2
acres__	16 661 326	.6	Poultry and eggs (025) _____	139	1.9
landlords__	130 346	.8	Animal specialties (027) _____	224	2.4
Rented or leased land in farms _____farms __	38 883	.9	General farms, primarily livestock and animal		
acres__	16 593 698	.6	specialties (029) _____	302	1.7
Land rented or leased to others _____farms __	6 360	1.0			
acres__	1 093 193	1.0	**LIVESTOCK**		
			Cattle and calves inventory _____ farms __	19 315	1.0
OPERATOR CHARACTERISTICS			number__	1 468 769	.7
Operators by place of residence:			Beef cows _____ farms __	13 125	1.0
On farm operated _____	40 829	.9	number__	382 978	.9
Not on farm operated _____	12 339	1.1	Milk cows _____ farms __	2 812	1.1
Not reported _____	2 753	1.0	number__	151 014	.9
Operators by principal occupation:			Cattle and calves sold _____ farms __	19 269	.9
Farming_____	41 526	.9	number__	1 074 248	.5
Other _____	14 395	1.1	$1,000__	702 228	.4
Operators by days worked off farm:			Hogs and pigs inventory _____ farms __	11 491	.9
Any _____	24 032	1.1	number__	5 581 092	.4
200 days or more _____	12 579	1.2	Hogs and pigs sold _____ farms __	12 125	.9
Operators by sex:			number__	10 239 394	.5
Male _____	54 042	.9	$1,000__	979 420	.4
Female _____	1 879	1.3	Sheep and lambs of all ages inventory _____farms __	1 972	1.1
Average age of operator _____years __	51.3	1.3	number__	78 885	1.3
			Sheep and lambs sold _____ farms __	1 926	1.1
			number__	79 432	2.2
			Horses and ponies inventory _____ farms __	3 263	1.1
			number__	20 550	1.4
			Horses and ponies sold _____ farms __	707	1.5
			number__	5 488	3.4

See footnotes at end of table.

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Table D. Reliability Estimates of State Totals for Farms With Sales of $10,000 or More: 1992—Con.

[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 __	1 043	1.4	Wheat for grain _____ farms __	15 152	1.0
number__	4 122 975	.3	acres__	1 047 659	.8
Hens and pullets of laying age _____farms __	1 034	1.4	bushels__	52 964 016	.8
number__	3 835 409	.3	Oats for grain _____ farms __	5 183	.9
Broilers and other meat-type chickens sold _____farms __	57	4.1	acres__	104 312	.8
number__	53 845	7.7	bushels__	6 520 764	.8
			Soybeans for beans _____ farms __	46 713	.9
CROPS HARVESTED			acres__	8 820 731	.6
			bushels__	370 090 708	.6
Corn for grain or seed _____farms __	49 306	.9	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) _____farms __	20 068	.9
acres__	10 657 442	.6	acres__	785 665	.9
bushels__	1 521 093 484	.6	tons, dry__	2 244 921	.8
Corn for silage or green chop _____farms __	4 824	.9	Alfalfa hay _____ farms __	16 303	.9
acres__	162 138	.8	acres__	500 549	.8
tons, green __	2 624 005	.9	tons, dry__	1 653 297	.8
Sorghum for grain or seed _____farms __	2 365	1.3	Vegetables harvested for sale (see text) _____farms __	1 388	1.0
acres__	191 661	1.1	acres__	98 446	.8
bushels__	17 191 740	1.2	Land in orchards _____ farms __	345	1.9
			acres__	8 723	1.8

[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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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		Farms with sales of $10,000 or more	
	Percent change from 1987 to 1992	Standard error of estimate	Percent change from 1987 to 1992	Standard error of estimate
Farms_____number__	−12.6	1.4	−10.8	1.5
Land in farms _____acres __	−4.5	1.2	−3.9	1.2
Average size of farm _____acres __	9.3	2.2	7.7	2.3
Estimated market value of land and buildings [1]:				
Average per farm _____dollars __	33.8	3.1	31.3	3.2
Average per acre _____dollars __	22.7	2.5	22.8	2.6
Estimated market value of all machinery and equipment [1]:				
Average per farm _____dollars __	16.9	2.8	16.3	3.0
Farms by size:				
1 to 9 acres _____	−15.3	1.9	−14.3	2.1
10 to 49 acres _____	−6.0	2.0	27.5	2.6
50 to 179 acres _____	−15.0	1.5	−7.4	1.9
180 to 499 acres _____	−20.2	1.6	−21.0	1.6
500 to 999 acres _____	−10.4	1.4	−10.6	1.4
1,000 to 1,999 acres _____	16.1	−	15.8	−
2,000 acres or more _____	43.4	−	42.7	−
Total cropland _____farms __	−12.6	1.4	−10.9	1.5
acres__	−3.7	1.2	−3.1	1.2
Harvested cropland _____farms __	−13.2	1.4	−11.0	1.5
acres__	8.8	1.3	10.0	1.3
Irrigated land _____farms __	26.1	1.6	30.1	1.7
acres__	57.8	1.5	59.1	1.6
Market value of agricultural products sold _____$1,000 __	15.1	1.2	15.6	1.2
Average per farm _____dollars __	31.6	2.5	29.6	2.6
Crops, including nursery and greenhouse crops _____$1,000 __	26.3	1.4	27.0	1.4
Livestock, poultry, and their products _____$1,000 __	−6.0	.8	−5.8	.8
Farms by value of sales:				
Less than $2,500 _____	−13.7	1.8	(X)	(X)
$2,500 to $4,999 _____	−16.7	1.9	(X)	(X)
$5,000 to $9,999 _____	−21.0	1.6	(X)	(X)
$10,000 to $24,999 _____	−21.1	1.6	−21.1	1.6
$25,000 to $49,999 _____	−22.2	1.7	−22.2	1.7
$50,000 to $99,999 _____	−21.6	1.7	−21.6	1.7
$100,000 to $249,999 _____	−.5	1.5	−.5	1.5
$250,000 to $499,999 _____	51.2	(L)	51.2	(L)
$500,000 or more _____	70.5	(L)	70.5	(L)
Total farm production expenses [1]_____$1,000 __	11.7	1.6	12.3	1.7
Average per farm _____dollars __	27.7	2.7	25.5	2.9
Net cash return from agricultural sales for the farm unit (see text) [1]_____farms__	−12.6	1.5	−10.5	1.7
$1,000__	25.3	1.9	25.2	1.9
Average per farm _____dollars __	43.4	3.4	40.0	3.5
Operators by principal occupation:				
Farming _____	−16.2	1.3	−15.3	1.4
Other _____	−6.1	1.8	5.2	2.3
Operators by days worked off farm:				
Any_____	−11.3	4.5	−6.8	4.8
200 days or more _____	−7.5	4.7	3.9	5.3
Livestock and poultry:				
Cattle and calves inventory _____farms __	−17.7	1.3	−18.0	1.4
number__	−15.1	1.0	−14.9	1.0
Beef cows _____farms __	−16.0	1.3	−14.7	1.5
number__	−12.5	1.3	−11.9	1.3
Milk cows _____farms __	−29.1	1.3	−26.7	1.4
number__	−18.7	1.3	−18.4	1.3
Cattle and calves sold _____farms __	−19.4	1.3	−19.3	1.4
number__	−19.7	.7	−19.5	.7
Hogs and pigs inventory _____farms __	−21.4	1.2	−21.4	1.3
number__	−	.9	.1	.9
Hogs and pigs sold _____farms __	−20.7	1.2	−20.8	1.3
number__	4.6	1.0	4.7	1.0
Sheep and lambs inventory _____farms __	−18.9	1.4	−22.4	1.4
number__	−20.0	1.4	−23.0	1.6
Chickens 3 months old or older inventory _____farms __	−44.0	1.1	−49.1	1.1
number__	−5.1	.6	−4.6	.6
Broilers and other meat-type chickens sold _____farms __	−58.4	1.6	−67.4	1.6
number__	−86.2	1.5	−87.3	1.5
Selected crops harvested:				
Corn for grain or seed _____farms __	−16.4	1.4	−13.2	1.5
acres__	17.6	1.4	18.6	1.4
bushels__	31.2	1.5	32.0	1.5
Corn for silage or green chop _____farms __	−8.2	1.5	−8.1	1.5
acres__	10.2	1.5	10.2	1.5
tons, green __	7.2	1.5	7.0	1.5
Wheat for grain _____farms __	−20.1	1.4	−17.1	1.5
acres__	12.7	1.6	15.2	1.7
bushels__	10.7	1.6	12.9	1.6
Soybeans for beans _____farms __	−15.0	1.4	−11.1	1.5
acres__	1.9	1.3	3.0	1.3
bushels__	13.4	1.4	14.2	1.4
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop,				
etc. (see text) _____farms __	−10.2	1.4	−10.0	1.5
acres__	−8.5	1.3	−8.6	1.4
tons, dry __	−9.5	1.3	−9.2	1.3
Vegetables harvested for sale (see text) _____farms __	16.9	1.9	18.2	2.0
acres__	25.1	1.6	25.5	1.6

[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)	Relative standard error of estimate (percent)	Estimated market value of all machinery and equipment [1] Total ($1,000)	Relative standard error of estimate (percent)
Illinois	**77 610**	**.9**	**27 250 340**	**.6**	**351**	**1.1**	**539 181**	**1.4**	**5 516 277**	**1.0**
Adams	1 500	1.2	464 834	1.1	310	1.6	320 443	4.0	78 981	5.3
Alexander	171	.8	69 354	1.2	406	1.4	344 357	7.0	11 625	6.4
Bond	629	1.7	182 572	2.0	290	2.6	321 433	7.2	37 137	8.4
Boone	500	1.2	135 163	1.3	270	1.7	530 924	6.2	35 903	5.8
Brown	386	.6	144 435	.7	374	.9	344 155	10.4	21 172	6.9
Bureau	1 273	1.0	482 169	.9	379	1.4	612 973	2.8	107 898	4.1
Calhoun	462	1.5	99 675	1.7	216	2.2	212 393	7.8	15 838	10.9
Carroll	657	1.0	238 906	.9	364	1.3	530 372	4.1	53 601	3.2
Cass	429	.7	209 437	.8	488	1.1	686 093	4.4	41 527	4.6
Champaign	1 452	.8	571 807	.7	394	1.1	789 533	2.3	132 615	3.3
Christian	892	1.1	390 149	.8	437	1.3	851 725	3.1	79 455	4.3
Clark	685	1.5	259 923	1.4	379	2.0	478 172	4.9	49 218	5.7
Clay	670	1.6	223 764	1.6	334	2.3	307 101	4.4	37 064	6.2
Clinton	942	1.1	229 120	1.1	243	1.6	316 715	4.0	67 961	5.1
Coles	700	1.0	263 425	.8	376	1.3	661 617	4.7	55 008	4.2
Cook	256	1.1	40 917	2.3	160	2.5	904 259	13.0	14 461	6.9
Crawford	543	1.7	223 561	1.2	412	2.1	479 610	3.8	47 161	7.1
Cumberland	645	1.2	176 012	1.3	273	1.7	366 899	5.7	35 879	6.5
De Kalb	942	.8	377 512	.6	401	1.0	912 437	2.6	87 371	2.7
De Witt	496	1.0	206 271	1.0	416	1.4	874 856	5.3	44 751	8.8
Douglas	682	.9	259 498	.7	380	1.2	724 414	4.3	53 600	5.8
Du Page	95	.8	18 206	2.7	192	2.8	588 431	3.4	5 855	12.3
Edgar	823	1.2	354 480	.9	431	1.5	705 605	4.2	71 601	5.4
Edwards	325	1.4	116 312	1.2	358	1.8	293 120	7.4	19 371	11.5
Effingham	1 140	1.5	257 761	1.6	226	2.2	327 482	6.0	62 255	5.8
Fayette	1 151	1.8	341 274	1.6	297	2.4	279 723	4.2	61 556	4.9
Ford	613	.8	300 127	.7	490	1.1	789 625	3.2	57 331	4.2
Franklin	538	1.1	160 533	1.3	298	1.7	297 381	13.5	23 047	7.6
Fulton	1 165	1.1	431 415	1.0	370	1.5	390 751	3.7	67 007	4.3
Gallatin	241	1.3	171 938	.8	713	1.6	747 945	4.3	29 923	17.1
Greene	783	1.5	303 715	1.2	388	1.9	392 589	5.1	54 808	4.7
Grundy	533	1.9	225 506	1.5	423	2.4	948 046	5.1	53 501	6.2
Hamilton	469	1.2	201 567	1.2	430	1.7	330 543	5.8	23 587	9.1
Hancock	1 182	1.4	433 246	1.2	367	1.8	415 920	3.6	74 270	4.1
Hardin	175	1.4	37 976	2.1	217	2.5	124 517	5.9	4 088	5.6
Henderson	468	.9	203 974	1.0	436	1.4	541 563	5.7	36 680	5.7
Henry	1 438	1.0	453 944	.8	316	1.3	483 839	3.2	104 801	4.2
Iroquois	1 509	1.0	662 629	.8	439	1.3	665 116	3.0	129 921	3.1
Jackson	664	1.0	186 425	1.0	281	1.4	298 112	10.9	32 372	6.8
Jasper	772	1.3	258 014	1.3	334	1.8	429 588	4.5	52 069	5.9
Jefferson	880	1.3	217 191	1.5	247	2.0	212 136	4.9	35 069	6.0
Jersey	557	1.3	180 675	1.3	324	1.8	385 555	7.2	37 664	7.9
Jo Daviess	955	1.0	290 454	.9	304	1.4	321 116	4.2	63 202	4.4
Johnson	414	1.1	94 681	1.6	229	2.0	154 226	7.0	12 211	6.1
Kane	703	1.0	203 590	.9	290	1.4	1 093 428	5.3	55 892	4.4
Kankakee	928	1.3	358 920	.9	387	1.6	732 634	4.3	78 777	4.2
Kendall	500	.8	178 222	.9	356	1.2	951 531	5.8	40 947	6.1
Knox	1 021	1.1	385 560	.9	378	1.4	528 236	3.8	73 102	4.1
Lake	375	.9	73 142	1.2	195	1.5	639 753	8.8	20 339	4.2
La Salle	1 669	1.1	612 112	1.0	367	1.5	761 637	2.8	137 928	3.6
Lawrence	365	1.3	169 292	1.0	464	1.7	524 689	6.3	30 285	4.8
Lee	1 006	1.1	414 442	.9	412	1.4	733 759	3.1	86 797	4.1
Livingston	1 562	.9	637 551	.8	408	1.2	667 954	2.9	123 425	3.6
Logan	834	1.1	369 952	.9	444	1.4	890 503	3.5	84 628	5.1
McDonough	905	1.3	344 649	1.2	381	1.8	532 846	3.3	56 556	4.4
McHenry	985	1.1	249 240	1.1	253	1.6	659 052	4.4	68 200	5.5
McLean	1 616	.9	709 106	.7	439	1.1	918 538	2.8	153 351	3.8
Macon	771	.7	310 518	.7	403	1.0	830 287	2.4	65 295	4.2
Macoupin	1 308	1.3	402 310	1.2	308	1.8	403 253	4.1	79 946	5.2
Madison	1 299	.9	299 709	1.0	231	1.4	391 144	6.5	81 208	4.5
Marion	861	1.6	253 916	1.6	295	2.3	245 552	8.3	34 582	6.8
Marshall	524	.9	203 749	1.0	389	1.4	727 492	5.6	43 910	5.6
Mason	489	1.0	282 222	.9	577	1.3	749 366	4.5	61 338	6.1
Massac	401	1.6	98 838	1.9	246	2.5	174 935	7.2	17 204	6.4
Menard	375	1.0	164 158	.9	438	1.4	715 937	6.1	31 116	9.2
Mercer	812	1.1	312 128	.9	384	1.4	407 272	3.2	57 552	4.3
Monroe	589	1.1	187 039	1.1	318	1.6	442 464	4.2	46 013	5.3
Montgomery	1 104	1.4	371 936	1.4	337	2.0	423 252	5.5	74 240	5.7
Morgan	864	1.0	311 266	.9	360	1.4	594 822	4.8	64 530	6.9
Moultrie	491	.9	184 599	.9	376	1.3	802 052	4.0	46 496	10.0
Ogle	1 141	1.1	392 639	.9	344	1.4	556 133	2.7	84 979	3.6
Peoria	957	1.0	261 482	1.0	273	1.4	473 037	4.1	52 990	5.0
Perry	544	1.4	167 602	1.8	308	2.2	224 258	11.8	28 265	8.3
Piatt	511	.8	251 277	.8	492	1.2	972 596	3.3	50 626	4.5
Pike	1 103	1.3	443 475	.9	402	1.6	375 638	3.9	61 262	5.5
Pope	246	1.1	67 998	1.6	276	1.9	219 075	12.8	7 147	13.3
Pulaski	218	1.7	82 426	1.5	378	2.2	282 471	4.9	12 117	13.3
Putnam	201	1.5	78 081	2.0	388	2.4	622 828	11.6	20 073	10.5
Randolph	945	1.1	270 598	1.1	286	1.6	274 889	7.7	47 127	5.9
Richland	545	1.4	188 999	1.2	347	1.9	401 164	5.7	33 158	6.8
Rock Island	632	.9	175 847	1.1	278	1.4	403 414	5.2	38 017	5.5
St. Clair	953	1.0	264 140	1.1	277	1.5	466 912	4.7	68 575	7.6
Saline	428	1.3	141 703	1.4	331	1.9	265 860	7.6	19 360	7.3
Sangamon	1 046	.8	446 750	.7	427	1.1	868 047	2.7	92 093	4.1

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 8
TSF:TIPS92-12562648.DAT;1   4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1   4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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

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

Geographic area	Farms		Land in farms		Average size of farm		Average market value of land and buildings per farm [1]		Estimated market value of all machinery and equipment [1]	
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Schuyler	490	1.4	207 388	1.3	423	1.9	312 573	10.4	24 417	7.4
Scott	337	1.5	128 867	1.4	382	2.1	446 768	7.7	27 195	6.1
Shelby	1 305	1.5	402 212	1.1	308	1.9	442 085	3.9	85 053	4.5
Stark	362	1.1	169 622	1.0	469	1.5	868 101	4.6	34 791	4.6
Stephenson	1 179	1.4	314 886	1.2	267	1.8	353 830	4.0	93 350	4.2
Tazewell	1 008	.7	336 450	.8	334	1.0	702 793	4.8	70 815	4.5
Union	482	1.0	119 370	1.3	248	1.6	191 712	4.4	17 797	5.4
Vermilion	1 112	1.1	488 215	.9	439	1.4	704 887	2.8	91 466	4.2
Wabash	232	.8	115 517	1.0	498	1.3	589 959	9.4	20 264	15.1
Warren	810	1.1	317 467	.9	392	1.4	625 584	4.2	65 418	6.7
Washington	831	1.1	297 003	1.0	357	1.5	472 261	4.7	66 661	4.6
Wayne	960	1.4	333 238	1.2	347	1.8	266 024	4.6	42 167	5.7
White	448	1.5	234 973	.8	524	1.7	485 223	4.3	33 611	6.4
Whiteside	1 133	.9	399 312	.8	352	1.2	577 265	10.5	85 873	5.8
Will	1 057	1.2	325 227	1.1	308	1.6	814 339	3.7	78 380	4.8
Williamson	538	.8	89 591	1.2	167	1.5	189 900	4.3	15 082	12.6
Winnebago	724	1.4	203 428	1.5	281	2.0	423 616	4.5	45 933	6.5
Woodford	973	.8	295 844	.9	304	1.2	606 187	5.1	68 144	6.0

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)
Illinois	**71 219**	**1.5**	**7 336 864**	**.5**	**94 535**	**1.0**	**77 606**	**1.1**	**5 088 894**	**.7**
Adams	52 619	5.5	110 057	.9	73 372	1.5	1 501	1.4	75 191	2.0
Alexander	67 982	6.9	13 673	1.1	79 957	1.4	171	2.6	8 140	5.7
Bond	59 041	8.5	43 648	1.9	69 393	2.5	629	1.7	31 118	4.1
Boone	71 950	5.9	40 376	1.2	80 752	1.7	499	1.1	33 259	2.8
Brown	55 716	7.2	26 693	.7	69 152	.9	387	1.5	20 351	4.4
Bureau	85 295	4.3	169 261	.6	132 962	1.2	1 273	1.0	120 299	1.5
Calhoun	34 282	11.1	17 565	1.5	38 019	2.1	462	2.3	13 500	5.6
Carroll	81 461	3.4	99 177	.6	150 955	1.2	658	1.1	83 563	1.3
Cass	96 350	4.7	61 901	.7	144 290	1.0	431	.9	43 223	2.8
Champaign	91 775	3.4	160 064	.6	110 237	1.1	1 451	.9	92 704	2.1
Christian	89 075	4.4	118 206	.7	132 518	1.3	892	.9	68 270	1.7
Clark	71 852	6.0	57 686	1.3	84 213	2.0	685	1.7	37 616	3.6
Clay	55 403	6.4	37 117	1.6	55 399	2.3	669	1.5	24 746	4.6
Clinton	72 145	5.3	95 027	.8	100 878	1.4	942	1.1	65 328	2.3
Coles	78 583	4.4	65 038	.8	92 911	1.3	700	1.3	40 607	3.1
Cook	56 269	7.0	20 435	1.0	79 824	1.5	257	1.4	17 798	4.6
Crawford	87 013	7.3	52 961	1.0	97 535	2.0	542	1.8	38 788	3.5
Cumberland	55 626	6.6	50 833	1.1	78 810	1.6	645	1.2	31 116	5.2
De Kalb	92 948	2.9	157 888	.4	167 610	.9	940	1.1	127 207	1.1
De Witt	90 223	8.9	55 011	.9	110 910	1.3	496	1.2	34 509	4.5
Douglas	78 592	5.9	79 241	.7	116 189	1.1	683	1.3	46 122	3.5
Du Page	61 635	12.5	20 349	.6	214 199	1.0	95	2.2	13 829	.8
Edgar	87 747	5.7	92 146	.8	111 963	1.4	822	1.7	55 919	2.4
Edwards	59 786	11.6	25 943	1.3	79 824	1.9	324	1.5	14 937	5.7
Effingham	54 706	6.0	71 298	1.4	62 542	2.1	1 138	1.5	51 409	3.2
Fayette	53 434	5.2	70 733	1.4	61 453	2.3	1 152	1.7	49 377	2.4
Ford	93 525	4.4	78 117	.7	127 433	1.1	613	1.1	48 812	2.8
Franklin	42 917	7.8	25 706	1.5	47 781	1.8	537	1.3	20 407	4.4
Fulton	57 616	4.5	85 618	1.0	73 492	1.5	1 163	1.3	61 590	2.2
Gallatin	124 160	17.1	37 685	.8	156 370	1.5	241	1.4	26 482	3.4
Greene	69 908	5.0	68 491	1.2	87 472	1.9	784	1.7	46 323	3.3
Grundy	105 942	6.7	52 931	1.4	99 308	2.4	533	1.7	40 211	4.8
Hamilton	50 185	9.2	32 521	1.1	69 342	1.6	470	1.3	22 656	5.0
Hancock	62 887	4.4	104 911	1.0	88 757	1.7	1 181	1.4	69 218	2.1
Hardin	23 358	6.0	2 045	3.3	11 687	3.6	175	2.1	1 767	8.3
Henderson	78 375	5.8	52 081	.9	111 284	1.3	468	1.1	39 135	2.6
Henry	72 880	4.3	170 765	.6	118 752	1.2	1 438	1.0	133 679	1.8
Iroquois	86 098	3.3	187 908	.7	124 525	1.2	1 509	1.2	130 909	1.9
Jackson	49 123	6.9	31 818	1.2	47 919	1.5	664	1.0	22 255	6.2
Jasper	67 359	6.0	69 735	1.1	90 330	1.7	773	1.5	45 340	2.9
Jefferson	39 806	6.1	30 005	1.4	34 097	1.9	881	1.5	23 801	4.5
Jersey	67 499	8.0	46 190	1.1	82 926	1.7	558	1.6	30 890	2.9
Jo Daviess	66 042	4.5	76 278	.9	79 872	1.4	957	.9	60 216	2.6
Johnson	29 494	6.2	10 660	1.8	25 750	2.1	414	1.3	10 014	7.4
Kane	79 505	4.5	85 546	.6	121 686	1.2	703	1.1	69 759	2.5
Kankakee	84 980	4.4	105 208	.8	113 371	1.5	927	1.3	73 607	1.9
Kendall	81 730	6.1	48 952	.7	97 904	1.1	501	.9	37 742	2.7
Knox	71 598	4.2	108 884	.7	106 644	1.3	1 021	1.0	83 798	2.1
Lake	54 382	4.3	31 750	.6	84 666	1.1	374	1.0	24 603	1.6

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	Average market value of all machinery and equipment per farm[1] Value (dollars)	Relative standard error of estimate (percent)	Market value of agricultural products sold Total ($1,000)	Relative standard error of estimate (percent)	Average market value of agricultural products sold per farm Value (dollars)	Relative standard error of estimate (percent)	Farm production expenses[1] — Total farm production expenses — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)
La Salle	82 641	3.7	158 028	.8	94 684	1.4	1 669	1.1	109 165	2.1
Lawrence	82 972	5.0	44 043	.9	120 667	1.6	365	1.6	31 356	3.3
Lee	86 194	4.3	125 835	.8	125 084	1.3	1 007	1.1	97 746	2.2
Livingston	79 271	3.8	175 249	.8	112 195	1.2	1 562	1.2	105 237	2.2
Logan	101 350	5.2	109 765	.8	131 613	1.3	835	1.3	69 591	2.9
McDonough	62 493	4.5	86 440	1.0	95 514	1.7	905	1.2	52 936	2.3
McHenry	69 239	5.7	95 340	.8	96 792	1.4	985	1.3	83 054	2.5
McLean	94 836	3.9	198 213	.7	122 657	1.1	1 617	.9	122 804	1.6
Macon	85 689	4.4	92 289	.6	119 701	1.0	771	.8	52 380	2.4
Macoupin	61 121	5.5	115 908	1.0	88 615	1.6	1 308	1.7	78 159	2.5
Madison	62 564	4.6	83 582	.9	64 343	1.3	1 298	.9	60 128	2.4
Marion	40 118	7.0	42 596	1.5	49 472	2.2	862	1.6	29 692	4.2
Marshall	83 638	5.7	50 141	1.0	95 688	1.4	525	.9	36 366	4.1
Mason	125 435	6.1	72 895	.7	149 070	1.3	489	1.0	49 484	2.4
Massac	42 903	6.6	16 102	2.1	40 154	2.7	401	1.8	12 949	7.9
Menard	82 976	9.3	47 505	.8	126 679	1.3	375	1.1	33 102	5.7
Mercer	70 964	4.5	82 050	.9	101 047	1.4	811	1.1	61 346	3.0
Monroe	78 120	5.4	41 264	1.1	70 058	1.6	589	1.2	29 056	2.1
Montgomery	67 308	5.8	97 960	1.2	88 732	1.9	1 103	1.4	64 816	3.2
Morgan	74 601	6.9	85 039	.8	98 425	1.3	865	.9	57 144	2.5
Moultrie	94 697	10.0	55 715	.8	113 472	1.2	491	.9	33 318	2.5
Ogle	74 543	3.7	132 187	.7	115 852	1.3	1 140	1.0	106 010	1.6
Peoria	55 956	5.2	63 924	1.0	66 796	1.4	957	1.2	44 582	2.5
Perry	51 958	8.4	23 206	1.9	42 658	2.3	544	1.5	15 384	6.0
Piatt	99 268	4.6	70 263	.8	137 500	1.1	510	1.1	40 490	2.8
Pike	56 152	5.8	97 272	.8	88 188	1.6	1 103	1.5	66 746	1.9
Pope	29 054	13.4	4 949	1.6	20 118	1.9	246	1.9	5 009	9.2
Pulaski	55 584	13.4	15 603	1.4	71 574	2.2	218	1.4	10 573	7.6
Putnam	100 363	10.7	32 719	1.1	162 781	1.8	200	1.8	22 842	7.6
Randolph	50 403	6.0	44 978	1.2	47 596	1.7	944	1.1	34 316	3.5
Richland	61 747	7.1	45 610	1.1	83 687	1.8	546	1.4	32 777	3.0
Rock Island	60 249	5.6	52 304	.9	82 760	1.3	631	1.0	39 026	2.6
St. Clair	72 033	7.7	65 608	1.0	68 844	1.5	952	1.2	42 412	3.5
Saline	45 235	7.6	27 001	1.3	63 086	1.9	428	2.0	17 292	5.5
Sangamon	88 043	4.2	137 833	.6	131 772	1.0	1 046	.8	83 571	1.7
Schuyler	49 729	7.5	33 502	1.4	68 372	2.0	491	1.4	19 652	7.6
Scott	80 697	6.3	30 849	1.5	91 539	2.1	337	1.4	20 680	6.7
Shelby	65 125	4.8	102 597	1.1	78 618	1.8	1 306	1.5	62 202	2.9
Stark	96 109	4.8	46 636	1.0	128 828	1.5	362	1.4	31 492	3.2
Stephenson	79 854	4.5	129 830	1.0	110 119	1.7	1 178	1.3	98 372	1.8
Tazewell	70 322	4.6	103 401	.7	102 581	1.0	1 007	1.0	62 526	2.3
Union	36 847	5.6	19 697	1.0	40 864	1.4	483	1.5	15 711	4.6
Vermilion	82 327	4.3	124 797	.8	112 227	1.4	1 111	1.0	75 476	2.7
Wabash	87 344	15.2	26 427	1.0	113 911	1.3	232	1.5	17 648	7.2
Warren	80 863	6.8	93 027	.8	114 848	1.3	809	.9	62 987	2.6
Washington	80 218	4.8	73 091	1.0	87 955	1.4	831	1.2	51 758	2.1
Wayne	43 924	5.9	56 809	1.1	59 176	1.8	960	1.6	40 780	2.0
White	75 025	6.6	46 864	.7	104 608	1.7	448	1.5	32 074	4.2
Whiteside	75 926	5.8	143 760	.6	126 885	1.1	1 131	1.0	111 187	2.5
Will	75 220	5.1	91 509	.8	86 574	1.5	1 056	1.4	67 075	1.8
Williamson	28 034	12.7	10 621	2.0	19 742	2.1	538	1.1	8 434	6.4
Winnebago	63 356	6.6	59 895	1.2	82 728	1.8	725	1.3	49 028	2.8
Woodford	70 910	6.2	98 004	.7	100 724	1.0	974	1.0	68 809	2.1

Farm production expenses[1]—Con.

Geographic area	Livestock and poultry purchased — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)	Feed for livestock and poultry — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)	Seeds, bulbs, plants, and trees — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)
Illinois	**21 039**	**1.7**	**434 193**	**1.2**	**34 430**	**1.4**	**531 978**	**1.2**	**63 590**	**1.2**	**357 597**	**.9**
Adams	510	7.4	8 658	6.7	819	5.2	14 035	4.4	1 218	3.1	4 558	4.8
Alexander	39	16.2	116	55.2	82	8.8	209	31.2	115	6.1	596	5.1
Bond	117	20.6	936	14.8	309	11.5	4 865	15.1	519	4.6	1 567	6.5
Boone	215	11.4	2 670	11.4	292	7.9	2 514	8.8	390	4.9	1 986	6.3
Brown	105	19.2	1 618	8.2	260	8.6	4 129	17.3	303	5.3	1 325	7.9
Bureau	378	9.5	11 414	5.5	547	7.4	9 168	6.1	1 155	2.2	8 492	3.6
Calhoun	143	16.9	1 413	15.8	231	12.3	2 541	9.2	269	9.1	707	11.7
Carroll	332	7.7	25 903	2.7	498	4.7	9 211	5.2	560	4.0	3 908	3.5
Cass	152	13.1	3 358	4.9	194	10.7	7 780	6.9	377	3.9	2 770	4.9
Champaign	137	18.3	1 973	3.3	251	11.3	2 521	13.0	1 337	1.7	8 466	2.9
Christian	131	17.0	1 557	16.8	289	11.9	2 577	7.8	771	2.6	5 568	3.0
Clark	124	18.6	1 288	12.7	213	13.5	2 183	8.1	562	4.0	3 270	6.6
Clay	99	22.6	585	31.9	242	12.3	970	14.6	539	4.6	2 113	7.1
Clinton	363	10.3	5 079	9.6	539	7.0	16 207	4.8	775	3.3	3 204	4.6

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 10
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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 purchased — Farms Number	Farms Relative standard error of estimate (percent)	Value Total ($1,000)	Value Relative standard error of estimate (percent)	Feed for livestock and poultry — Farms Number	Farms Relative standard error of estimate (percent)	Value Total ($1,000)	Value Relative standard error of estimate (percent)	Seeds, bulbs, plants, and trees — Farms Number	Farms Relative standard error of estimate (percent)	Value Total ($1,000)	Value Relative standard error of estimate (percent)
Coles	113	22.0	1 370	12.5	206	14.9	1 641	11.0	595	4.4	3 575	3.8
Cook	24	52.8	33	60.3	55	25.5	655	57.3	167	7.5	1 014	8.3
Crawford	123	15.2	2 179	3.7	212	13.5	4 576	6.4	457	4.4	3 245	5.8
Cumberland	168	15.7	2 893	29.8	284	11.5	5 346	14.6	588	3.3	2 075	7.6
De Kalb	225	9.7	26 178	.9	328	8.5	13 575	2.2	818	2.1	6 589	3.3
De Witt	52	26.2	1 394	40.4	158	14.1	1 693	12.0	470	2.5	3 061	6.5
Douglas	169	13.2	2 305	28.3	239	11.7	4 426	17.0	576	2.9	3 692	4.7
Du Page	15	25.7	65	26.4	27	13.1	129	14.1	46	7.4	499	2.4
Edgar	166	16.4	3 807	22.1	270	12.2	3 828	10.9	703	3.8	5 157	4.6
Edwards	95	18.2	1 071	5.0	180	12.1	2 410	10.3	264	7.1	1 111	16.6
Effingham	321	10.4	4 036	23.6	574	7.4	10 068	8.1	982	2.7	3 088	4.8
Fayette	338	10.8	3 172	12.1	500	8.2	6 338	4.6	944	3.8	3 416	4.5
Ford	100	18.7	2 316	1.3	138	17.2	3 327	16.8	582	2.3	4 175	4.2
Franklin	110	19.8	868	19.0	248	12.4	2 497	12.8	340	8.8	1 706	15.9
Fulton	392	10.4	5 506	3.4	617	6.7	5 009	11.0	968	2.6	4 718	3.6
Gallatin	47	23.0	360	10.6	73	19.0	737	7.4	212	6.8	2 382	3.2
Greene	270	12.1	2 705	13.3	529	6.3	6 689	10.0	622	4.4	3 298	5.3
Grundy	67	28.8	648	26.9	123	20.1	915	8.8	511	2.4	3 798	6.3
Hamilton	99	20.3	984	46.0	194	11.8	968	17.1	370	5.5	1 812	6.3
Hancock	445	8.8	9 205	6.2	597	6.7	8 890	6.5	964	3.8	4 612	3.4
Hardin	46	14.2	140	21.2	90	8.5	205	12.9	47	14.4	81	13.0
Henderson	202	11.2	4 594	16.0	326	7.1	4 039	13.2	377	4.5	2 578	4.4
Henry	535	7.9	24 380	4.0	809	5.0	23 163	2.9	1 291	1.9	6 595	3.2
Iroquois	338	10.9	9 189	5.3	438	9.2	13 749	9.4	1 409	2.0	10 044	3.5
Jackson	220	12.9	1 605	15.8	364	7.9	1 720	17.9	393	7.4	1 393	8.0
Jasper	220	12.4	2 468	6.4	335	9.8	9 258	10.7	680	3.4	2 835	6.5
Jefferson	238	12.9	1 480	13.8	422	8.3	2 862	17.5	608	5.3	1 621	5.5
Jersey	179	15.4	4 787	6.3	298	10.0	3 377	22.0	439	4.7	2 214	6.0
Jo Daviess	395	9.3	9 004	9.3	697	4.2	10 157	4.5	705	3.8	2 312	4.6
Johnson	105	19.6	1 721	4.7	236	10.4	1 467	8.4	134	16.2	398	22.7
Kane	224	13.3	7 532	5.2	309	9.1	4 871	13.2	525	4.5	4 818	2.1
Kankakee	154	17.5	1 911	18.1	241	12.8	3 402	9.5	821	2.4	5 930	3.2
Kendall	90	20.9	4 341	10.1	132	16.8	2 163	14.7	417	3.5	2 591	5.8
Knox	329	10.9	8 316	11.6	547	7.4	11 594	6.1	858	3.1	4 828	3.6
Lake	57	33.2	253	10.8	141	18.4	960	7.8	179	13.2	1 214	3.8
La Salle	246	13.6	5 957	4.0	411	10.4	3 667	7.9	1 565	1.7	9 738	3.4
Lawrence	85	21.7	1 137	3.7	166	13.2	6 125	3.9	284	5.8	2 399	3.2
Lee	265	12.1	12 497	4.1	327	11.1	6 037	17.3	904	2.7	6 440	2.9
Livingston	388	9.6	7 936	10.0	498	8.3	15 536	5.0	1 446	1.7	8 078	3.1
Logan	164	16.0	2 250	8.3	230	12.2	5 145	6.9	745	2.4	5 820	4.8
McDonough	210	14.9	4 052	6.4	347	11.1	3 733	10.1	795	3.8	4 478	3.3
McHenry	295	12.1	9 596	10.3	504	7.4	7 995	5.5	614	4.9	4 865	5.3
McLean	293	11.5	7 063	10.7	481	8.4	8 088	10.9	1 493	1.6	10 755	2.8
Macon	106	18.9	1 915	11.9	175	15.8	1 887	23.6	682	2.7	4 760	2.9
Macoupin	396	10.7	9 552	6.1	630	7.1	11 813	6.7	1 012	3.5	4 795	4.0
Madison	336	11.9	3 523	12.4	610	6.9	5 265	12.2	998	3.1	3 931	4.8
Marion	197	15.5	2 333	9.2	381	10.0	4 024	13.0	662	4.1	1 985	8.7
Marshall	148	15.2	2 134	7.0	217	11.9	2 740	21.9	477	2.5	3 054	5.7
Mason	86	24.3	3 124	8.7	145	16.8	4 237	5.0	441	2.3	3 773	4.3
Massac	111	19.9	659	16.0	179	11.7	1 224	27.2	249	6.5	963	10.3
Menard	98	17.3	2 769	7.0	179	12.6	3 468	2.3	292	4.2	2 665	8.4
Mercer	274	10.6	4 003	7.3	510	6.4	8 794	10.5	622	3.6	3 898	5.0
Monroe	201	12.7	1 650	11.2	323	7.6	4 839	7.4	441	5.7	2 036	5.3
Montgomery	308	11.8	4 662	14.4	522	8.2	6 959	11.2	924	2.9	4 314	6.3
Morgan	292	11.1	5 587	8.0	453	7.7	8 311	13.5	677	4.2	4 005	5.3
Moultrie	111	20.5	932	9.8	163	15.9	2 307	14.0	462	3.1	2 686	3.6
Ogle	469	7.2	22 055	3.9	628	5.3	10 943	4.9	913	3.0	5 785	2.8
Peoria	253	12.9	1 632	25.8	435	8.0	2 530	16.0	771	3.4	3 874	4.6
Perry	172	18.1	633	19.0	282	11.1	1 607	23.6	425	5.1	1 142	6.2
Piatt	49	21.3	904	8.1	83	22.1	905	13.1	481	2.6	3 750	3.2
Pike	426	9.1	3 976	8.2	688	5.5	11 254	4.6	872	4.0	3 914	3.3
Pope	89	19.9	558	11.5	184	8.9	802	34.6	126	13.3	251	15.4
Pulaski	66	26.0	624	11.0	101	17.0	500	14.9	168	7.0	623	8.2
Putnam	77	23.2	1 595	26.2	86	21.3	1 136	18.9	179	6.2	1 409	9.6
Randolph	324	10.5	3 483	15.9	499	7.0	4 368	11.3	667	4.1	2 464	8.5
Richland	147	14.7	2 007	19.1	233	11.3	6 666	4.6	458	4.6	2 179	4.8
Rock Island	195	13.9	6 278	3.2	372	8.3	5 474	7.1	514	3.7	2 022	3.8
St. Clair	249	13.9	1 954	34.0	436	9.1	3 547	11.3	792	3.4	3 181	4.4
Saline	139	18.9	1 263	50.8	228	11.7	840	26.3	299	8.2	1 621	8.4
Sangamon	206	13.2	3 438	29.3	401	8.9	6 408	3.8	807	3.6	6 350	3.2
Schuyler	134	16.7	1 156	11.3	293	10.2	1 875	15.5	403	4.2	1 768	8.9
Scott	64	25.4	1 076	19.8	124	11.6	1 773	10.6	285	3.6	1 781	11.0
Shelby	365	10.2	3 346	11.4	505	8.0	4 971	8.5	1 126	2.3	5 626	4.2
Stark	93	16.0	846	20.5	133	13.7	1 632	15.9	348	2.6	2 801	3.9
Stephenson	532	7.4	10 326	5.3	840	4.4	19 072	3.7	975	3.3	3 917	3.3
Tazewell	228	12.6	1 792	10.9	405	9.0	8 083	7.5	870	2.6	4 872	4.3
Union	146	14.7	1 553	22.0	282	7.8	1 840	10.1	227	7.8	548	8.0
Vermilion	201	15.8	1 886	10.2	359	10.7	2 363	6.7	953	3.1	6 908	3.4
Wabash	29	34.0	628	23.2	82	19.3	914	13.9	203	4.5	1 943	18.2
Warren	321	10.6	4 520	6.3	510	7.0	6 481	6.3	710	2.5	4 747	4.0

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 11
TSF:TIPS92-12562648.DAT;1   4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1   4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3   4/ 8/94 12:57:26

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.

Geographic area	Livestock and poultry purchased — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)	Feed for livestock and poultry — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)	Seeds, bulbs, plants, and trees — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)
Washington	261	12.2	2 456	13.9	479	7.2	9 868	5.9	735	3.6	2 962	4.2
Wayne	232	14.7	1 874	9.1	452	8.4	5 131	13.2	756	4.5	3 110	6.4
White	111	20.0	399	18.5	230	10.2	1 318	25.2	370	4.6	2 833	7.7
Whiteside	527	7.6	26 052	6.1	642	6.0	15 855	7.6	947	2.9	5 163	4.3
Will	147	15.3	1 441	26.0	251	11.0	2 532	12.9	868	2.7	5 244	3.3
Williamson	119	21.1	790	25.3	188	15.3	749	24.6	240	9.1	681	14.7
Winnebago	249	12.3	6 831	10.7	368	7.4	4 389	11.1	560	3.3	2 907	5.5
Woodford	293	11.2	4 108	7.9	477	7.1	8 345	14.3	805	2.4	4 783	5.5

Farm production expenses [1] —Con.

Geographic area	Commercial fertilizer — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)	Agricultural chemicals — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)	Petroleum products — Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)
Illinois	**62 069**	**1.2**	**645 280**	**1.0**	**63 410**	**1.2**	**439 672**	**1.0**	**74 895**	**1.1**	**322 542**	**.9**
Adams	1 180	3.4	7 929	5.0	1 176	3.3	4 944	5.4	1 407	2.1	4 517	3.5
Alexander	112	5.8	1 161	2.3	116	6.6	1 037	7.9	165	3.1	566	8.8
Bond	519	4.4	4 655	8.3	494	5.0	2 915	8.9	601	2.7	1 913	7.1
Boone	352	5.0	3 252	5.1	393	5.4	2 417	6.6	461	3.0	2 021	4.1
Brown	282	5.6	1 661	10.4	290	5.5	1 665	7.9	360	2.9	1 149	8.1
Bureau	1 102	2.7	13 298	3.3	1 183	1.8	8 950	3.6	1 225	1.9	6 967	2.7
Calhoun	327	8.4	1 350	10.9	344	6.5	1 037	12.6	442	3.7	780	6.6
Carroll	533	3.8	5 933	4.3	566	3.4	4 798	3.9	644	1.8	4 252	3.1
Cass	373	4.7	5 282	6.3	378	3.5	3 434	5.7	404	2.8	2 187	4.7
Champaign	1 294	2.2	16 676	2.9	1 310	2.2	10 660	3.7	1 415	1.3	6 297	2.5
Christian	747	2.9	11 955	4.4	764	2.8	7 298	3.0	874	1.4	4 892	3.0
Clark	518	4.7	6 230	4.8	524	5.0	4 278	6.3	662	2.3	3 062	3.6
Clay	532	5.1	4 921	6.3	492	5.6	3 557	11.2	657	2.1	2 266	5.9
Clinton	774	3.7	6 098	4.2	753	3.7	3 399	5.4	916	1.7	3 500	4.4
Coles	578	4.6	8 211	11.1	616	4.0	4 471	5.0	679	2.4	3 182	4.2
Cook	158	8.0	864	20.6	155	11.5	749	23.3	235	6.1	1 177	6.8
Crawford	459	4.9	5 989	6.7	422	5.5	3 723	5.8	542	1.8	2 837	4.7
Cumberland	547	4.3	4 306	6.1	574	3.3	2 563	9.8	627	2.2	2 282	7.0
De Kalb	796	2.5	11 224	3.5	809	2.5	8 367	2.8	913	1.6	6 175	2.9
De Witt	450	3.5	6 066	7.6	437	3.8	4 379	6.9	489	1.6	2 446	9.0
Douglas	513	4.1	6 855	8.3	550	4.2	4 476	8.6	648	2.7	3 062	4.4
Du Page	61	4.7	447	4.2	72	4.2	271	2.8	92	2.1	715	1.2
Edgar	660	4.4	8 327	4.0	692	3.9	5 920	4.8	809	1.9	4 103	4.8
Edwards	280	6.1	2 127	9.8	247	7.8	1 247	9.3	323	1.5	1 074	9.0
Effingham	964	3.1	6 761	5.5	978	2.9	3 835	5.7	1 079	1.9	3 433	5.9
Fayette	892	4.3	6 970	4.5	874	3.9	4 024	5.2	1 121	2.0	3 707	5.0
Ford	571	2.8	6 517	5.7	574	2.6	4 874	5.5	603	1.5	3 203	4.2
Franklin	360	7.4	3 110	10.2	319	9.5	2 098	9.3	503	3.3	1 333	7.3
Fulton	872	3.7	8 283	4.3	919	3.6	4 994	4.4	1 121	1.9	4 342	3.8
Gallatin	212	6.8	5 547	4.6	220	5.6	3 504	3.9	231	3.7	1 851	4.1
Greene	583	4.8	6 441	7.6	619	5.0	3 943	5.9	783	1.7	3 104	5.5
Grundy	493	3.2	5 850	6.0	499	2.9	4 137	5.5	525	2.2	3 265	6.6
Hamilton	379	5.5	4 550	6.6	332	6.8	2 317	6.2	447	2.5	1 597	7.1
Hancock	933	4.1	7 959	3.7	981	3.5	5 119	4.4	1 161	1.7	4 448	4.2
Hardin	61	12.2	150	13.7	77	10.0	96	11.7	154	3.8	180	8.5
Henderson	376	4.4	4 836	6.9	410	3.4	3 555	3.9	446	2.7	2 482	5.9
Henry	1 237	2.6	12 345	3.5	1 278	2.3	8 753	3.7	1 401	1.4	6 960	4.1
Iroquois	1 345	2.4	16 955	4.9	1 322	2.4	10 690	3.3	1 465	1.6	7 487	3.2
Jackson	466	4.8	2 590	6.9	439	5.6	2 178	6.5	624	2.1	1 683	4.8
Jasper	662	3.8	5 367	6.1	615	4.6	3 590	5.5	758	1.9	3 041	3.9
Jefferson	623	5.5	4 041	7.4	598	5.6	2 217	6.5	871	1.8	1 747	5.3
Jersey	469	4.6	3 909	6.6	427	4.8	2 518	8.9	529	3.0	1 984	13.7
Jo Daviess	698	4.6	5 035	6.2	757	3.6	2 366	6.4	949	1.2	3 422	3.5
Johnson	234	10.2	1 221	16.6	202	11.8	585	25.3	378	3.6	669	12.0
Kane	488	5.6	5 900	7.0	554	4.8	4 147	6.7	678	2.1	3 874	3.3
Kankakee	769	3.2	8 723	4.0	789	3.5	6 151	4.1	901	1.9	5 054	3.1
Kendall	391	4.7	4 031	5.3	419	4.0	2 910	5.4	488	2.0	2 467	7.1
Knox	804	3.7	8 423	4.9	888	3.0	6 373	4.1	1 019	1.0	4 804	4.2
Lake	216	10.1	1 282	5.5	260	8.2	899	8.8	364	2.5	1 133	3.1
La Salle	1 510	2.2	16 374	4.6	1 539	2.1	12 131	4.0	1 643	1.4	7 534	2.9
Lawrence	270	6.6	4 333	4.7	262	7.4	2 954	6.6	344	3.5	2 072	5.9
Lee	897	2.8	11 628	3.5	908	2.8	8 571	2.6	974	1.8	5 550	3.3
Livingston	1 362	2.3	13 491	4.7	1 412	2.1	9 536	3.9	1 485	1.8	7 059	4.0
Logan	720	3.0	9 517	4.1	760	2.5	7 878	3.6	821	1.8	4 555	4.0
McDonough	729	4.8	6 343	4.0	807	3.6	5 266	4.7	892	1.8	3 896	4.6
McHenry	590	5.1	5 888	6.0	757	4.1	4 677	6.2	948	2.0	3 917	3.8
McLean	1 410	2.0	19 260	3.0	1 447	2.0	14 597	3.2	1 572	1.4	8 037	3.0
Macon	673	2.8	8 919	4.9	710	2.6	5 359	4.1	756	1.5	3 657	4.8
Macoupin	1 020	3.5	9 548	5.4	1 035	3.5	5 725	4.4	1 255	2.3	4 374	4.1

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 12
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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

Geographic area	Commercial fertilizer — Farms — Number	Commercial fertilizer — Farms — Relative standard error of estimate (percent)	Commercial fertilizer — Value — Total ($1,000)	Commercial fertilizer — Value — Relative standard error of estimate (percent)	Agricultural chemicals — Farms — Number	Agricultural chemicals — Farms — Relative standard error of estimate (percent)	Agricultural chemicals — Value — Total ($1,000)	Agricultural chemicals — Value — Relative standard error of estimate (percent)	Petroleum products — Farms — Number	Petroleum products — Farms — Relative standard error of estimate (percent)	Petroleum products — Value — Total ($1,000)	Petroleum products — Value — Relative standard error of estimate (percent)
Madison	959	2.8	8 061	4.3	987	3.4	5 863	6.1	1 238	1.6	3 651	3.5
Marion	647	4.2	4 586	7.3	602	4.8	2 750	8.7	833	2.0	2 089	6.0
Marshall	433	3.8	5 215	5.9	475	2.2	3 870	8.4	519	1.3	2 535	4.8
Mason	430	3.2	9 903	6.2	442	4.3	4 763	6.4	484	1.0	3 524	5.1
Massac	278	6.1	1 961	9.4	292	6.7	1 234	13.2	373	4.0	952	8.0
Menard	289	4.9	4 399	8.3	303	4.8	3 279	9.0	362	2.4	1 817	7.0
Mercer	585	3.9	7 142	5.3	671	3.4	4 839	5.7	791	1.5	3 721	4.2
Monroe	449	5.2	3 215	4.3	405	6.1	2 314	5.8	559	2.7	1 878	3.1
Montgomery	919	3.0	9 015	7.0	889	3.5	6 443	7.4	1 035	2.5	4 313	3.7
Morgan	675	4.5	7 349	4.7	631	5.1	4 822	5.8	844	1.8	3 420	5.6
Moultrie	399	5.0	5 599	15.7	450	3.7	2 767	6.0	461	3.1	2 057	3.9
Ogle	831	3.2	9 836	3.3	974	2.6	6 976	3.1	1 117	1.2	6 153	3.3
Peoria	732	4.0	5 720	4.9	801	2.9	4 587	4.4	957	1.2	3 203	4.9
Perry	469	4.0	2 582	6.6	396	6.7	1 703	8.7	535	1.8	1 121	7.4
Piatt	460	3.6	6 620	3.3	471	3.1	4 634	3.5	493	2.4	2 621	8.2
Pike	841	4.6	7 655	4.1	864	4.4	5 283	5.2	1 043	2.5	4 332	3.6
Pope	148	11.3	616	14.4	105	15.9	237	26.0	232	4.2	450	12.7
Pulaski	144	11.9	1 169	7.8	183	7.3	1 036	13.9	218	1.4	797	12.1
Putnam	163	8.4	2 254	20.6	164	8.9	1 293	11.1	200	1.8	1 268	9.0
Randolph	691	4.4	4 472	6.0	745	3.8	2 781	6.7	896	1.8	2 173	5.9
Richland	454	4.2	3 850	6.1	443	5.3	2 503	7.8	502	3.6	1 990	5.7
Rock Island	478	4.3	4 042	5.9	463	5.7	2 541	6.1	614	2.0	2 486	4.5
St. Clair	776	3.6	5 792	5.5	767	3.9	4 329	5.5	899	2.4	3 117	3.5
Saline	344	6.5	3 574	9.8	277	9.5	1 952	10.5	391	4.4	1 256	7.6
Sangamon	837	3.6	11 879	2.7	855	3.6	8 189	4.6	989	2.0	4 673	3.5
Schuyler	360	6.2	2 296	7.1	392	5.3	1 872	9.7	440	4.3	1 388	13.5
Scott	258	7.9	3 170	17.9	291	5.1	2 516	15.9	327	3.3	1 604	6.3
Shelby	1 137	2.9	9 619	4.4	1 019	3.4	5 126	5.0	1 209	2.4	4 817	3.8
Stark	323	3.6	4 156	5.3	355	2.2	3 535	4.0	362	1.3	2 007	3.6
Stephenson	970	3.4	6 889	3.6	1 035	2.9	5 069	5.2	1 149	1.8	5 568	3.2
Tazewell	800	3.3	9 747	4.6	847	3.1	6 252	4.4	981	1.3	4 257	3.4
Union	340	6.0	1 179	6.9	297	6.6	1 151	7.0	470	2.1	894	8.3
Vermilion	926	3.0	12 938	3.8	917	3.4	8 207	4.2	1 089	1.5	5 526	4.2
Wabash	209	3.5	2 511	9.6	199	6.5	2 185	9.4	225	3.2	1 495	11.3
Warren	653	3.8	8 233	5.3	742	2.6	6 358	6.6	792	1.4	3 556	3.7
Washington	712	3.8	7 468	4.0	737	3.8	5 168	5.2	820	1.8	3 165	3.1
Wayne	776	4.4	6 641	5.4	723	4.8	3 688	4.0	900	2.9	3 167	5.3
White	381	4.2	6 541	6.4	347	6.2	4 729	12.6	448	1.5	2 248	4.0
Whiteside	918	3.3	10 261	4.1	953	3.1	7 039	5.5	1 104	1.5	5 387	4.3
Will	825	3.4	8 406	6.8	849	3.1	6 453	7.5	985	1.9	4 700	4.6
Williamson	306	8.2	877	20.5	295	7.9	563	22.3	500	3.2	801	7.4
Winnebago	577	4.6	4 214	4.7	620	3.3	4 189	10.3	723	1.3	3 200	5.8
Woodford	741	3.6	6 709	6.4	793	2.7	5 461	5.4	907	2.0	3 820	5.7

Farm production expenses [1]—Con.

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)
Illinois	**60 437**	**1.1**	**89 416**	**1.0**	**25 398**	**1.5**	**300 090**	**.8**	**4 691**	**3.4**	**15 302**	**5.3**
Adams	1 212	3.3	1 588	3.8	426	9.2	3 572	8.2	38	34.1	281	14.4
Alexander	112	6.1	118	20.7	65	9.5	898	11.0	17	28.6	45	18.6
Bond	504	5.9	730	7.3	140	16.3	1 434	16.1	20	64.7	57	45.2
Boone	384	5.6	610	9.0	128	13.6	2 709	8.4	25	27.7	122	27.2
Brown	242	9.0	346	11.0	96	14.9	801	17.6	22	42.3	28	31.5
Bureau	1 065	3.2	3 016	3.0	451	7.7	10 970	1.2	29	36.3	146	50.8
Calhoun	295	9.0	284	8.0	91	21.0	775	8.1	32	39.5	22	66.2
Carroll	574	3.7	1 185	4.1	268	10.1	2 140	3.8	39	28.9	139	23.4
Cass	366	4.4	726	6.2	171	11.6	3 993	5.1	37	22.2	(D)	(D)
Champaign	1 111	3.3	1 373	4.5	432	8.5	4 366	4.5	135	19.4	512	7.4
Christian	715	3.8	1 289	4.5	354	9.4	5 000	4.0	75	28.0	302	28.5
Clark	470	5.4	629	6.5	206	12.9	1 516	5.4	45	32.8	127	21.3
Clay	493	5.3	550	17.7	158	14.7	709	14.6	35	45.5	18	39.4
Clinton	730	4.1	1 730	5.7	331	9.1	4 793	6.5	30	30.0	656	.2
Coles	534	5.3	533	9.4	243	11.4	1 784	8.3	36	29.9	63	45.0
Cook	156	10.5	321	7.7	87	20.8	5 687	1.9	50	35.4	398	66.6
Crawford	432	5.5	550	8.7	171	13.7	1 908	12.5	22	40.1	38	42.2
Cumberland	454	5.5	558	8.9	181	16.3	1 175	20.1	23	53.3	60	44.9
De Kalb	804	3.1	1 606	3.2	348	7.7	5 670	2.0	43	26.4	374	25.5
De Witt	365	6.0	503	6.0	179	12.9	1 272	6.9	21	43.0	163	12.3
Douglas	451	6.4	630	6.5	249	9.9	2 432	13.1	42	34.6	57	7.1
Du Page	80	5.0	429	1.4	33	13.0	5 969	.5	6	6.7	200	.1
Edgar	661	4.4	964	5.6	350	10.2	2 676	7.8	70	29.2	148	49.4
Edwards	265	7.7	307	10.9	82	21.5	488	4.1	5	4.5	20	2.3

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 13
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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)
				Farm production expenses [1] —Con.								
Effingham	891	3.8	1 260	6.1	266	13.7	1 638	14.0	43	35.3	92	59.9
Fayette	746	5.3	1 125	4.9	281	11.3	3 157	3.9	30	40.6	113	23.7
Ford	466	4.6	694	5.2	253	10.2	2 957	6.4	33	35.0	114	51.8
Franklin	326	8.0	327	12.4	130	17.9	891	9.4	22	42.3	44	26.7
Fulton	845	4.5	912	5.5	350	10.2	2 534	6.9	56	30.5	145	13.0
Gallatin	193	9.2	491	3.5	133	12.7	2 425	3.7	25	47.8	84	3.4
Greene	638	4.1	931	6.8	264	10.7	2 621	10.3	45	25.8	79	36.0
Grundy	465	3.7	715	7.6	228	10.1	1 441	10.9	52	28.1	59	18.5
Hamilton	343	5.8	347	10.6	142	14.2	1 115	14.1	41	41.5	78	53.5
Hancock	873	4.7	1 186	5.4	428	7.6	2 271	7.0	55	28.2	112	30.1
Hardin	98	8.0	39	13.0	46	14.7	96	16.3	9	41.8	13	26.1
Henderson	415	3.4	749	7.2	163	9.7	1 627	14.8	44	25.6	77	30.6
Henry	1 264	2.8	1 896	4.6	514	8.0	4 713	5.9	106	23.6	229	34.3
Iroquois	1 255	2.9	2 124	3.7	547	7.1	7 872	3.8	114	22.2	299	20.1
Jackson	422	7.2	387	8.8	235	13.1	1 805	7.4	26	43.3	26	34.7
Jasper	590	4.5	878	5.3	179	11.8	1 446	6.3	34	30.6	37	27.5
Jefferson	584	6.2	386	9.6	139	18.4	879	10.4	22	33.3	70	9.7
Jersey	424	5.2	556	10.3	170	15.2	1 339	18.1	38	38.1	37	40.8
Jo Daviess	867	2.5	1 779	3.6	303	10.2	2 998	8.7	38	32.2	85	51.9
Johnson	279	7.1	216	16.2	113	18.9	408	9.0	26	48.7	43	26.8
Kane	583	3.8	1 001	5.7	224	11.4	10 052	.9	21	32.0	206	1.5
Kankakee	740	3.9	1 219	5.5	345	9.5	8 613	3.8	93	23.0	796	22.5
Kendall	386	5.5	592	6.3	114	16.2	1 987	5.0	17	42.7	68	9.2
Knox	764	4.6	1 434	6.0	388	9.3	5 476	4.7	43	27.9	255	8.4
Lake	269	8.4	478	9.6	144	16.9	7 871	.9	20	2.8	106	1.0
La Salle	1 429	2.8	1 773	4.7	560	7.8	4 538	8.7	125	20.8	287	32.3
Lawrence	279	6.7	413	8.4	121	15.7	1 517	5.8	49	30.2	127	57.2
Lee	833	3.8	1 276	5.8	358	9.9	2 651	15.3	48	34.0	91	12.3
Livingston	1 367	2.3	1 808	4.8	600	7.8	3 465	3.0	102	24.4	340	42.1
Logan	693	4.0	917	5.2	406	8.2	3 565	5.7	76	27.2	135	17.2
McDonough	671	5.1	867	4.6	270	9.8	2 339	9.7	57	32.5	108	15.9
McHenry	768	3.7	1 726	5.8	345	8.9	12 551	5.0	126	20.9	1 109	54.9
McLean	1 310	2.9	1 603	3.6	654	6.2	5 225	6.2	85	23.4	205	42.6
Macon	620	4.3	789	5.4	348	8.4	3 346	7.3	49	29.7	246	39.7
Macoupin	998	4.1	1 465	4.7	373	9.8	3 753	9.4	60	27.7	245	9.5
Madison	983	3.5	1 159	4.7	414	8.5	6 077	4.6	77	26.0	256	15.0
Marion	554	6.2	618	8.0	179	16.1	1 437	25.1	74	26.9	59	27.9
Marshall	418	4.6	365	8.3	178	13.9	1 177	15.1	30	40.8	160	16.7
Mason	406	5.1	1 320	7.9	237	10.3	2 732	4.4	5	6.4	33	24.1
Massac	260	8.0	240	11.7	139	15.5	745	15.0	24	44.1	11	43.5
Menard	320	5.4	508	5.9	151	11.2	2 450	11.0	34	34.5	57	48.4
Mercer	677	3.2	1 229	10.2	303	10.6	2 153	13.5	17	50.2	19	48.9
Monroe	454	4.8	656	4.5	156	12.8	2 105	5.6	23	35.5	132	4.4
Montgomery	872	3.7	1 388	6.1	327	11.5	2 900	9.0	72	33.1	249	37.9
Morgan	703	4.0	1 117	6.5	318	10.5	2 876	13.0	67	24.7	120	27.3
Moultrie	403	5.5	417	6.6	190	11.3	1 474	6.2	34	32.3	56	17.8
Ogle	977	2.8	1 447	3.7	335	9.2	2 511	3.7	50	29.4	121	22.3
Peoria	755	4.0	570	7.6	292	10.7	3 026	9.3	76	26.5	144	33.4
Perry	336	8.9	283	12.1	98	18.8	627	37.1	15	55.6	24	61.1
Piatt	404	4.0	652	6.1	200	11.7	1 772	6.0	43	31.3	67	20.1
Pike	884	4.2	1 289	5.0	346	9.3	3 725	5.2	101	22.6	168	16.8
Pope	147	11.3	115	28.0	75	21.8	188	31.2	33	41.0	54	50.1
Pulaski	132	14.2	206	17.7	108	16.2	855	24.7	22	51.3	36	27.0
Putnam	171	6.9	334	7.0	52	26.6	3 867	3.4	2	–	(D)	(D)
Randolph	632	5.0	589	8.8	226	14.2	1 247	12.9	33	52.9	77	55.7
Richland	397	5.4	518	6.6	140	14.6	1 337	7.6	36	30.7	116	48.8
Rock Island	489	5.1	658	4.3	145	15.2	1 680	12.9	34	39.2	34	11.4
St. Clair	711	4.0	906	7.5	263	13.4	2 695	5.1	53	34.6	216	18.6
Saline	286	9.0	246	12.2	95	22.8	874	12.4	45	35.1	31	33.7
Sangamon	808	3.9	1 259	3.4	409	8.2	5 923	3.6	87	23.0	301	8.0
Schuyler	367	6.7	441	9.8	121	18.1	1 765	34.8	7	81.1	7	82.3
Scott	263	7.5	317	8.0	151	15.7	1 236	8.8	16	62.3	26	15.2
Shelby	1 027	3.8	1 327	5.6	381	8.8	1 865	7.8	77	26.8	224	32.2
Stark	320	4.7	371	5.9	138	12.2	930	3.7	5	–	10	–
Stephenson	1 078	2.6	2 897	3.5	418	8.1	5 200	5.1	74	30.3	209	36.3
Tazewell	810	3.4	977	5.1	391	9.0	3 948	10.0	48	31.3	89	14.5
Union	292	8.8	233	7.6	188	14.9	2 845	1.9	7	–	13	–
Vermilion	886	3.8	1 060	4.7	422	8.8	3 170	6.0	102	22.3	245	18.7
Wabash	204	5.9	257	12.6	83	17.8	482	7.0	20	43.9	59	16.7
Warren	711	3.2	1 096	6.5	342	10.0	2 715	12.6	51	33.8	142	47.1
Washington	626	5.4	1 157	4.4	261	10.4	2 896	4.9	55	33.4	144	18.3
Wayne	738	4.4	743	6.1	266	11.4	1 788	9.7	61	23.9	119	31.3
White	377	3.3	488	5.3	135	17.3	1 874	4.0	61	33.0	140	48.8
Whiteside	941	3.0	1 728	6.7	423	8.9	3 819	9.9	77	25.2	301	11.8
Will	770	4.2	1 023	5.4	287	10.5	8 221	5.5	41	27.3	126	11.1
Williamson	355	5.9	189	6.8	93	17.6	455	30.0	62	28.1	22	30.5
Winnebago	592	4.9	1 010	6.5	238	12.7	2 443	4.8	45	31.9	84	56.0
Woodford	732	4.2	1 079	7.7	310	10.6	4 065	7.0	68	30.1	64	36.8

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 14
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

[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)
Illinois	**66 831**	**1.1**	**375 501**	**1.0**	**32 690**	**1.4**	**100 931**	**2.1**	**42 731**	**1.3**	**431 344**	**1.1**
Adams	1 217	3.3	5 049	3.9	557	7.7	1 447	11.4	768	5.6	6 893	6.4
Alexander	152	4.2	721	9.6	53	12.5	161	19.6	95	7.3	842	8.5
Bond	581	3.5	3 103	12.4	297	11.8	470	21.4	374	7.8	3 177	13.5
Boone	413	5.2	2 608	6.9	257	8.8	775	12.2	275	8.4	2 860	9.1
Brown	322	4.7	1 393	7.9	174	13.6	370	12.6	260	7.0	2 213	9.2
Bureau	1 141	2.5	9 182	7.4	717	5.8	2 239	10.6	842	4.6	9 215	5.3
Calhoun	374	5.5	1 110	13.5	138	19.0	233	16.3	181	14.2	1 231	14.3
Carroll	629	2.2	4 034	4.2	366	7.2	946	12.3	427	6.6	6 201	4.5
Cass	374	4.0	3 097	5.1	200	11.2	(D)	(D)	238	8.0	2 982	8.0
Champaign	1 224	2.6	7 844	3.9	668	6.1	2 484	11.3	929	4.4	9 878	5.4
Christian	729	3.8	5 662	5.3	422	8.4	1 436	10.9	583	4.9	6 662	5.1
Clark	544	4.7	3 528	10.3	246	10.8	988	25.9	349	8.2	3 395	9.8
Clay	597	3.5	2 187	7.4	185	14.6	231	23.9	364	7.4	2 790	10.4
Clinton	814	3.1	4 671	5.4	391	8.6	832	12.1	491	7.9	4 316	7.8
Coles	570	4.7	3 761	7.5	321	9.9	613	14.2	402	7.8	3 782	10.5
Cook	241	4.4	1 706	4.3	15	4.5	81	8.1	111	18.7	898	18.5
Crawford	471	4.6	3 152	5.3	210	12.6	336	14.7	335	7.6	3 789	10.1
Cumberland	579	3.2	2 781	5.6	254	13.1	476	29.7	323	7.8	1 869	11.3
De Kalb	825	2.8	6 464	3.8	538	5.6	2 636	10.7	635	4.8	10 252	4.5
De Witt	382	4.8	2 400	9.0	248	10.0	1 104	21.8	312	6.9	3 062	9.4
Douglas	635	2.2	3 650	9.2	291	11.0	798	18.9	408	7.9	4 319	9.2
Du Page	80	3.3	621	4.7	14	24.6	21	6.8	41	10.9	494	4.4
Edgar	708	3.1	4 439	5.5	401	9.3	724	12.4	477	6.9	5 316	7.1
Edwards	286	3.8	1 234	8.3	119	18.2	292	33.2	185	12.2	1 101	9.6
Effingham	1 008	2.9	3 911	6.5	406	10.2	598	18.5	533	8.0	3 237	16.0
Fayette	945	3.6	3 986	5.6	251	13.6	896	39.8	596	6.9	4 624	8.0
Ford	548	3.4	3 673	5.8	223	11.7	1 121	14.4	384	7.4	4 719	8.8
Franklin	475	4.2	1 315	7.3	204	12.5	710	12.3	260	9.7	1 732	9.0
Fulton	1 051	2.8	5 183	5.0	478	8.8	1 292	13.2	629	6.5	6 226	6.1
Gallatin	214	6.5	2 290	5.6	114	18.1	430	9.6	146	15.9	2 214	6.2
Greene	674	3.7	4 002	5.9	266	12.8	779	23.0	380	8.2	4 064	9.3
Grundy	476	3.4	2 900	6.7	221	11.7	543	16.4	336	8.3	3 710	13.1
Hamilton	376	4.2	1 996	5.8	178	13.6	350	17.5	242	9.8	2 209	17.9
Hancock	984	3.6	5 340	4.5	461	9.2	865	14.6	649	5.6	6 704	7.9
Hardin	133	5.3	251	11.8	43	15.5	36	23.8	54	12.4	139	16.0
Henderson	410	4.1	2 829	12.0	240	8.8	1 087	16.0	343	5.2	4 312	8.4
Henry	1 338	2.1	8 330	4.5	767	5.9	2 336	14.7	865	5.2	10 449	7.0
Iroquois	1 301	2.6	8 962	4.0	658	6.7	3 294	13.2	917	4.5	10 848	5.4
Jackson	515	4.7	1 803	7.7	180	14.3	581	58.4	245	11.2	2 215	16.4
Jasper	691	3.2	3 402	4.9	285	11.2	651	19.6	452	6.6	4 258	11.4
Jefferson	740	3.9	2 267	12.1	217	14.8	277	13.0	398	9.2	1 735	12.0
Jersey	412	6.1	1 932	5.8	183	11.8	582	20.8	219	11.8	2 581	10.7
Jo Daviess	834	3.1	4 568	6.2	451	7.2	1 146	12.6	486	6.9	4 646	6.9
Johnson	362	4.4	861	9.3	152	16.5	344	24.1	149	15.3	600	14.0
Kane	604	3.6	3 567	4.9	305	9.5	1 103	9.0	328	8.2	3 915	8.2
Kankakee	795	3.1	5 463	6.3	416	8.8	1 376	14.1	479	7.6	5 273	7.5
Kendall	448	3.5	2 939	7.3	157	13.9	402	22.3	267	9.4	3 022	8.8
Knox	857	3.1	5 377	4.0	546	7.0	2 326	11.8	617	6.0	7 368	8.7
Lake	307	5.1	1 550	4.4	111	20.8	290	8.6	125	19.0	1 320	8.4
La Salle	1 475	2.6	8 544	6.7	844	5.8	3 765	15.8	943	5.1	9 440	6.4
Lawrence	277	7.2	2 031	7.3	114	18.2	260	20.8	161	11.2	3 468	15.7
Lee	922	2.4	6 139	4.5	520	7.8	2 087	9.4	678	5.2	8 043	4.5
Livingston	1 391	2.2	8 398	5.1	636	7.4	1 788	14.1	884	5.4	7 253	7.0
Logan	767	2.6	4 678	4.2	344	10.1	1 081	13.3	620	4.0	5 521	7.4
McDonough	770	4.0	4 266	5.8	499	7.3	1 218	9.7	520	6.4	4 948	7.3
McHenry	815	3.7	5 127	6.9	341	10.2	1 769	17.2	409	8.7	5 003	4.6
McLean	1 347	2.6	8 777	3.7	830	5.3	4 424	11.2	982	4.3	10 413	5.6
Macon	637	3.9	4 018	6.8	299	10.5	1 081	13.9	400	6.9	4 332	7.6
Macoupin	1 045	3.8	5 627	4.6	437	9.1	1 034	13.2	692	6.0	6 809	7.7
Madison	1 176	2.2	5 054	5.5	437	9.1	652	12.9	639	5.8	4 493	8.3
Marion	718	3.7	2 805	10.0	219	14.5	247	20.7	379	9.6	2 171	13.6
Marshall	456	4.0	2 904	11.5	310	8.2	1 092	18.4	329	7.8	2 881	7.3
Mason	418	5.1	3 733	5.3	228	11.7	889	9.7	299	6.3	4 535	9.3
Massac	319	6.6	1 218	10.6	150	14.7	289	25.8	202	11.1	1 459	12.4
Menard	294	5.9	2 429	10.0	146	13.8	621	17.0	227	9.3	2 505	9.8
Mercer	691	3.2	3 799	6.8	411	6.8	1 714	11.6	495	6.1	5 646	5.6
Monroe	523	4.0	2 371	3.9	182	12.2	449	15.7	269	10.2	2 780	9.1
Montgomery	985	2.7	5 024	4.7	455	8.8	1 499	39.7	747	5.3	6 353	10.3
Morgan	753	2.8	4 088	6.3	395	9.2	1 380	14.9	496	7.7	4 813	7.4
Moultrie	425	4.8	2 439	6.3	289	8.2	741	17.2	301	7.4	3 615	7.7
Ogle	999	2.8	5 376	3.6	521	6.7	1 948	8.8	768	4.6	9 597	5.0
Peoria	831	3.4	3 437	7.1	355	9.0	1 068	19.7	443	7.9	4 694	6.5
Perry	463	5.1	1 388	7.4	90	26.5	164	40.6	208	14.0	1 141	15.1
Piatt	447	4.2	3 535	8.7	258	9.5	1 486	13.0	285	8.0	3 898	8.6
Pike	896	4.5	4 971	4.6	566	7.6	1 271	8.9	678	6.2	7 283	7.1
Pope	224	5.1	425	11.5	120	15.0	156	30.3	66	22.1	405	27.5
Pulaski	200	5.8	1 010	15.9	94	18.7	359	36.3	109	16.1	1 264	9.6
Putnam	179	6.2	1 680	13.1	106	16.2	(D)	(D)	111	13.9	1 696	12.1
Randolph	827	2.9	2 922	7.7	324	11.3	594	23.9	432	7.8	3 327	10.0

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	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)
Richland	495	3.0	2 553	9.7	222	12.6	516	12.4	331	7.3	3 518	8.5
Rock Island	544	4.5	2 359	5.8	302	9.7	763	16.2	270	9.8	2 451	9.9
St. Clair	852	3.3	4 127	5.3	314	11.8	694	20.0	421	8.4	3 215	10.0
Saline	373	5.4	1 442	8.6	166	15.9	216	21.4	180	13.9	1 480	12.5
Sangamon	928	2.7	6 072	4.8	472	7.5	2 134	18.5	572	6.0	6 745	5.6
Schuyler	420	3.8	1 833	7.7	238	12.5	312	14.9	224	11.9	1 448	10.5
Scott	292	5.8	1 920	19.3	145	15.0	526	21.6	151	14.9	1 382	13.8
Shelby	995	3.7	5 426	5.3	598	7.7	1 331	13.4	742	5.5	6 326	7.1
Stark	312	4.1	2 015	7.5	257	6.3	1 117	9.8	221	7.6	3 174	7.0
Stephenson	1 055	2.9	7 374	4.5	631	6.6	1 500	6.8	718	5.6	7 994	5.2
Tazewell	883	3.0	4 629	7.1	463	8.1	1 477	18.4	459	7.1	4 701	7.0
Union	397	5.0	1 105	4.6	124	16.7	221	20.9	211	11.4	1 286	8.9
Vermilion	959	2.8	6 119	5.5	477	8.3	1 563	9.2	634	5.1	7 410	6.9
Wabash	200	5.7	1 717	12.2	92	16.2	398	27.9	167	9.2	1 964	10.9
Warren	720	3.4	4 232	3.9	363	9.1	1 273	16.5	588	4.4	6 212	9.4
Washington	775	2.9	4 642	4.6	292	10.2	501	13.6	450	8.1	2 993	9.9
Wayne	791	4.1	3 484	6.4	349	11.3	587	9.8	594	6.0	4 275	7.2
White	413	3.1	2 455	5.4	194	12.2	451	13.0	284	8.2	2 889	8.7
Whiteside	1 016	2.6	5 932	5.2	608	6.0	2 056	7.9	752	4.9	8 854	7.0
Will	871	3.4	5 193	4.8	341	10.3	1 057	19.4	362	9.1	3 460	6.3
Williamson	420	5.4	942	10.8	175	13.9	177	22.5	157	17.3	491	25.3
Winnebago	629	3.8	3 997	7.4	350	9.9	1 006	13.4	441	7.2	4 150	8.0
Woodford	835	3.3	4 622	5.9	402	8.4	1 958	16.4	526	6.4	5 481	13.4

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)
Illinois	**25 142**	**1.5**	**422 189**	**1.3**	**65 516**	**1.1**	**153 680**	**1.1**	**73 378**	**1.1**	**469 178**	**.9**
Adams	266	11.8	2 258	12.0	1 330	2.7	2 487	7.2	1 403	2.2	6 975	4.7
Alexander	19	26.3	457	5.5	165	3.4	249	12.1	153	4.5	965	8.9
Bond	208	14.5	1 950	27.8	580	3.5	751	9.4	614	2.4	2 596	7.8
Boone	181	10.0	4 489	12.4	421	4.1	1 129	7.0	479	2.6	3 097	6.0
Brown	110	15.2	1 327	22.2	356	4.1	576	17.2	379	2.1	1 751	7.1
Bureau	522	7.7	10 930	6.7	976	3.7	3 381	5.8	1 245	1.3	12 932	2.5
Calhoun	65	27.5	534	12.8	440	3.3	426	7.4	410	4.9	1 058	10.7
Carroll	293	7.8	7 529	5.9	518	3.6	1 889	6.5	644	1.7	5 495	3.5
Cass	112	14.9	2 022	9.9	365	4.6	976	7.2	410	2.1	3 569	7.1
Champaign	446	8.1	7 788	11.5	1 086	3.6	3 101	5.2	1 403	1.3	8 764	3.9
Christian	263	10.1	4 024	12.9	770	3.1	2 192	4.6	839	2.0	7 856	4.1
Clark	162	14.1	2 769	13.9	652	2.6	1 115	13.2	613	3.3	3 239	10.1
Clay	90	21.6	876	27.5	631	3.1	964	7.8	616	3.2	2 009	11.4
Clinton	302	11.5	3 027	9.4	793	3.9	1 168	7.2	895	1.8	6 649	5.2
Coles	182	11.6	2 333	17.3	600	3.3	1 463	8.2	669	2.8	3 823	6.7
Cook	100	16.5	1 379	15.2	190	10.8	617	14.0	234	6.1	2 220	2.4
Crawford	115	16.4	1 675	10.4	504	3.6	937	8.2	483	4.1	3 853	8.9
Cumberland	144	18.9	1 274	18.7	599	3.0	740	9.1	609	2.3	2 718	13.4
De Kalb	512	6.2	16 448	4.8	713	4.3	3 217	7.1	925	1.4	8 430	3.4
De Witt	135	15.6	3 031	15.8	384	5.7	1 177	14.8	449	3.8	2 758	10.2
Douglas	284	11.5	3 561	14.1	529	4.6	1 436	8.2	640	2.5	4 422	4.2
Du Page	33	12.3	527	2.0	73	5.2	181	7.7	88	2.3	3 262	.9
Edgar	301	11.0	4 698	13.3	682	4.2	1 520	8.4	799	2.2	4 292	4.7
Edwards	63	25.0	962	15.4	302	3.8	446	9.1	316	2.8	1 046	6.6
Effingham	387	9.5	3 775	15.1	1 009	2.9	1 412	5.7	1 041	2.6	4 264	5.5
Fayette	229	13.1	2 260	16.2	1 015	3.3	1 299	5.1	998	2.8	4 291	4.4
Ford	231	9.4	4 274	7.0	454	4.9	1 697	12.1	612	1.1	5 151	6.6
Franklin	144	16.4	1 254	25.9	498	3.5	648	8.7	495	3.3	1 876	9.1
Fulton	264	11.5	4 100	11.7	1 074	2.4	2 501	5.3	1 101	2.1	5 845	4.2
Gallatin	112	20.0	1 169	6.4	209	8.3	783	7.4	232	3.8	2 215	8.1
Greene	219	13.0	1 858	22.1	649	4.0	1 692	6.6	759	2.2	4 118	6.6
Grundy	237	8.9	6 903	12.3	352	7.6	956	11.8	519	2.2	4 370	17.7
Hamilton	84	22.0	1 215	8.8	457	2.3	700	11.0	424	3.2	2 416	8.4
Hancock	419	8.4	4 506	10.6	1 013	3.4	2 222	6.3	1 127	2.1	5 778	3.4
Hardin	19	22.4	52	47.1	173	2.2	77	6.2	157	3.9	211	9.9
Henderson	166	12.5	1 895	6.3	417	3.8	1 229	8.1	468	1.1	3 245	5.6
Henry	563	7.5	10 615	6.6	1 128	3.6	2 961	6.2	1 404	1.5	9 955	4.0
Iroquois	630	6.6	12 000	7.4	1 248	2.8	3 803	5.8	1 467	1.5	13 592	4.3
Jackson	154	14.7	1 089	8.1	641	2.0	868	11.9	599	3.0	2 314	12.9
Jasper	233	12.1	3 392	16.4	694	3.3	1 121	9.8	719	2.3	3 594	4.8
Jefferson	169	15.3	998	18.7	828	2.3	997	7.5	800	3.1	2 225	8.3
Jersey	218	12.5	1 846	10.6	453	5.2	875	6.6	502	3.2	2 354	5.9
Jo Daviess	345	8.8	4 140	7.7	894	2.2	1 939	5.1	910	2.1	6 620	5.4
Johnson	58	28.9	162	7.8	401	2.6	441	9.6	388	3.3	878	10.1

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 16
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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

Geographic area	Cash rent Farms Number	Cash rent Farms Relative standard error of estimate (percent)	Cash rent Value Total ($1,000)	Cash rent Value Relative standard error of estimate (percent)	Property taxes paid Farms Number	Property taxes paid Farms Relative standard error of estimate (percent)	Property taxes paid Value Total ($1,000)	Property taxes paid Value Relative standard error of estimate (percent)	All other farm production expenses Farms Number	All other farm production expenses Farms Relative standard error of estimate (percent)	All other farm production expenses Value Total ($1,000)	All other farm production expenses Value Relative standard error of estimate (percent)
Kane	373	7.2	9 341	9.1	520	4.6	2 344	8.1	681	2.2	7 086	5.9
Kankakee	410	8.3	9 036	6.4	736	4.2	1 909	7.5	868	2.0	8 751	6.4
Kendall	249	9.0	4 993	7.6	375	6.2	1 421	9.2	472	2.5	3 815	5.8
Knox	452	7.9	6 967	6.7	878	3.5	3 261	6.5	945	2.0	6 995	5.5
Lake	94	12.3	1 817	7.8	325	5.0	976	7.9	351	3.3	4 452	.7
La Salle	637	7.5	12 026	5.9	1 263	3.6	4 051	6.7	1 627	1.5	9 341	4.8
Lawrence	97	14.6	1 696	9.8	333	4.3	815	9.8	349	3.2	2 010	3.8
Lee	548	6.7	16 711	6.2	706	5.3	2 479	6.4	984	1.6	7 545	8.1
Livingston	490	8.8	6 909	11.1	1 232	3.4	3 102	5.5	1 519	1.3	10 537	4.7
Logan	395	7.9	9 737	11.4	575	5.3	1 654	8.9	828	1.6	7 139	4.9
McDonough	318	9.1	5 197	6.4	783	3.5	1 773	6.1	847	3.0	4 452	4.9
McHenry	399	8.6	9 492	8.4	765	4.1	2 571	7.4	930	2.3	6 769	4.4
McLean	571	6.8	8 508	8.3	1 220	3.4	4 414	6.1	1 558	1.3	11 435	3.5
Macon	229	10.9	3 842	13.6	599	4.5	2 088	8.6	720	2.3	6 140	4.6
Macoupin	423	9.1	5 253	11.2	1 092	3.5	2 006	6.9	1 234	2.5	6 160	6.1
Madison	363	9.2	4 892	15.1	1 107	3.2	1 555	5.2	1 195	2.0	5 697	6.9
Marion	152	17.0	1 101	20.8	791	2.9	1 006	7.5	751	3.3	2 481	9.1
Marshall	235	10.6	3 521	15.5	408	5.8	1 282	12.9	489	2.4	3 437	10.4
Mason	142	16.4	2 002	13.7	385	6.4	949	8.9	479	2.2	3 966	5.1
Massac	78	19.8	527	39.5	367	4.0	353	9.0	365	4.9	1 112	9.2
Menard	106	16.5	2 304	12.7	288	6.9	639	14.7	333	4.4	3 192	9.9
Mercer	322	9.4	6 744	9.8	656	3.3	2 067	5.3	777	1.9	5 580	5.4
Monroe	130	15.7	1 113	11.4	525	3.6	922	8.6	554	2.7	2 597	4.9
Montgomery	348	11.5	4 659	13.6	911	3.8	1 710	9.4	1 054	2.0	5 329	5.9
Morgan	171	13.3	2 673	3.9	755	3.3	1 781	8.7	836	2.0	4 801	5.6
Moultrie	204	10.7	2 734	10.1	412	5.2	1 381	9.7	464	3.1	4 113	5.5
Ogle	489	6.8	14 174	4.8	957	3.0	2 755	6.6	1 090	1.8	6 333	3.6
Peoria	303	8.6	4 434	9.1	824	2.9	1 712	5.6	888	2.4	3 952	4.6
Perry	115	22.5	1 018	18.5	470	5.6	536	9.8	494	4.1	1 415	8.0
Piatt	179	11.0	3 893	11.5	351	6.7	1 465	9.9	502	1.8	4 285	5.0
Pike	248	11.9	3 200	12.5	1 000	2.8	2 055	4.2	1 000	3.1	6 369	4.6
Pope	33	34.4	146	29.1	246	1.9	251	15.3	223	5.2	354	11.7
Pulaski	64	25.3	658	16.6	210	4.3	233	10.8	199	6.1	1 202	9.5
Putnam	46	30.0	687	25.4	165	8.5	526	12.1	191	4.1	4 684	9.0
Randolph	267	12.1	1 650	12.2	841	3.3	1 034	6.6	880	2.5	3 136	6.7
Richland	146	14.6	1 774	12.8	537	1.9	616	7.1	504	3.3	2 633	8.8
Rock Island	237	11.5	3 614	10.5	524	4.7	1 305	11.6	606	2.3	3 320	5.0
St. Clair	298	10.8	2 819	9.7	799	3.8	1 473	6.8	887	2.6	4 346	4.0
Saline	76	28.6	602	6.2	415	2.7	549	13.3	399	3.9	1 346	11.1
Sangamon	342	8.4	8 398	11.3	893	3.1	2 857	5.4	1 012	1.7	8 946	3.6
Schuyler	66	29.9	459	14.3	423	5.3	701	9.4	445	2.8	2 331	10.0
Scott	83	22.4	1 196	31.9	282	6.6	465	11.1	337	1.4	1 691	7.4
Shelby	312	10.7	3 779	14.7	1 143	3.1	2 413	7.1	1 185	2.3	6 006	4.4
Stark	193	8.6	4 967	10.7	286	5.6	1 015	5.8	355	2.2	2 916	7.4
Stephenson	492	7.7	8 639	8.2	1 000	3.2	3 084	5.6	1 141	1.5	10 633	5.2
Tazewell	302	9.6	3 907	9.2	898	2.7	2 320	7.4	959	2.0	5 476	5.4
Union	89	22.3	624	19.2	467	2.5	502	6.1	431	4.1	1 716	3.9
Vermilion	452	7.0	8 128	11.9	962	3.1	2 539	6.0	1 095	1.3	7 414	7.2
Wabash	102	13.9	963	11.9	178	7.7	340	10.1	232	1.5	1 794	14.1
Warren	309	10.4	5 618	10.1	709	3.6	2 078	6.8	777	1.5	5 725	6.5
Washington	242	11.3	2 825	7.7	677	4.3	1 003	6.3	784	2.9	4 510	3.8
Wayne	170	17.3	1 354	15.6	927	2.4	1 340	6.5	884	2.8	3 479	7.5
White	101	19.0	1 452	8.0	445	1.5	789	6.0	448	1.5	3 468	7.7
Whiteside	425	9.3	8 812	8.3	938	3.0	2 325	5.2	1 113	1.4	7 603	5.1
Will	404	8.0	9 945	6.8	825	4.0	2 420	9.0	973	2.4	6 854	3.2
Williamson	113	20.7	284	36.1	477	4.0	460	13.5	491	3.2	953	21.8
Winnebago	300	11.1	5 658	9.0	591	4.8	1 518	8.6	666	3.1	3 431	5.9
Woodford	419	7.6	9 344	7.5	783	4.0	2 132	7.4	940	1.7	6 838	6.0

Geographic area	Net cash return from agricultural sales for the farm unit (see text) [1] Farms Number	Net cash return Farms Relative standard error of estimate (percent)	Net cash return Value Total ($1,000)	Net cash return Value Relative standard error of estimate (percent)	Total cropland Farms Number	Total cropland Farms Relative standard error of estimate (percent)	Total cropland Acres Number	Total cropland Acres Relative standard error of estimate (percent)	Harvested cropland Farms Number	Harvested cropland Farms Relative standard error of estimate (percent)	Harvested cropland Acres Number	Harvested cropland Acres Relative standard error of estimate (percent)
Illinois	**77 606**	**1.1**	**2 169 423**	**1.0**	**72 626**	**.9**	**24 164 457**	**.6**	**69 425**	**.9**	**21 868 287**	**.6**
Adams	1 501	1.4	31 977	5.4	1 402	1.2	360 899	1.1	1 337	1.3	303 946	1.1
Alexander	171	2.6	4 591	5.3	166	.9	58 666	1.2	147	1.3	53 232	1.3
Bond	629	1.7	12 977	10.6	587	1.8	162 092	2.0	532	1.9	144 248	2.1
Boone	499	1.1	8 389	11.0	471	1.2	125 891	1.3	445	1.3	117 183	1.3
Brown	387	1.5	7 696	10.7	348	.7	91 998	.8	315	.9	76 068	.9
Bureau	1 273	1.0	49 273	4.1	1 190	1.1	441 470	.9	1 165	1.1	408 486	.9
Calhoun	462	2.3	2 010	24.5	430	1.5	59 374	1.7	402	1.6	41 921	1.8
Carroll	658	1.1	15 842	7.7	627	1.0	205 296	.9	600	1.0	180 750	.8
Cass	431	.9	20 466	8.0	395	.9	173 458	.8	377	.9	156 983	.9

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 17
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

[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)
Champaign	1 451	.9	67 427	3.4	1 413	.8	555 113	.7	1 405	.9	529 691	.7
Christian	892	.9	49 629	3.7	833	1.1	373 239	.8	818	1.1	353 204	.8
Clark	685	1.7	20 675	7.1	651	1.6	222 170	1.4	618	1.6	203 126	1.4
Clay	669	1.5	11 878	11.2	631	1.6	198 512	1.7	591	1.6	179 294	1.6
Clinton	942	1.1	27 631	4.8	868	1.1	211 317	1.1	844	1.1	196 812	1.2
Coles	700	1.3	22 097	7.7	654	1.0	243 668	.8	631	1.0	220 860	.9
Cook	257	1.4	3 517	24.7	200	1.5	34 094	2.4	178	1.7	29 479	2.3
Crawford	542	1.8	18 162	6.7	512	1.8	196 153	1.2	490	1.7	183 503	1.2
Cumberland	645	1.2	15 619	9.5	608	1.2	157 455	1.3	590	1.3	146 369	1.3
De Kalb	940	1.1	24 853	6.2	891	.8	362 650	.7	879	.9	344 473	.7
De Witt	496	1.2	23 499	6.9	483	1.0	198 445	1.0	471	1.1	188 012	1.0
Douglas	683	1.3	30 933	4.6	641	1.0	250 813	.7	624	1.0	239 883	.7
Du Page	95	2.2	6 038	2.2	81	1.6	15 984	2.7	76	1.8	14 739	2.9
Edgar	822	1.7	36 796	4.5	781	1.2	327 179	.9	753	1.2	303 788	.9
Edwards	324	1.5	6 860	17.3	302	1.3	102 123	1.2	277	1.4	83 262	1.3
Effingham	1 138	1.5	21 516	7.9	1 053	1.5	223 860	1.7	1 014	1.5	204 153	1.7
Fayette	1 152	1.7	20 476	6.7	1 079	1.8	290 315	1.6	1 016	1.9	252 568	1.7
Ford	613	1.1	27 543	5.7	592	.9	288 158	.7	585	.9	274 224	.7
Franklin	537	1.3	6 913	15.0	504	1.2	140 392	1.3	450	1.3	112 607	1.4
Fulton	1 163	1.3	23 218	5.8	1 079	1.2	309 857	1.0	1 031	1.2	272 226	1.0
Gallatin	241	1.4	9 304	7.9	224	1.4	152 719	.9	215	1.4	140 219	.9
Greene	784	1.7	21 957	6.9	710	1.5	246 531	1.2	677	1.5	211 789	1.2
Grundy	533	1.7	15 277	8.6	507	1.9	212 558	1.5	501	1.9	201 078	1.5
Hamilton	470	1.3	10 550	8.7	448	1.2	179 865	1.2	415	1.3	150 391	1.2
Hancock	1 181	1.4	32 701	4.6	1 106	1.4	357 715	1.2	1 062	1.4	310 840	1.2
Hardin	175	2.1	(D)	(D)	160	1.6	22 494	2.6	124	2.2	9 049	2.8
Henderson	468	1.1	12 805	7.0	430	1.0	173 071	1.0	412	1.1	150 822	1.0
Henry	1 438	1.0	35 695	5.4	1 331	1.0	415 604	.8	1 286	1.0	371 906	.8
Iroquois	1 509	1.2	53 677	4.9	1 461	1.0	630 028	.8	1 445	1.0	597 863	.8
Jackson	664	1.0	8 221	12.2	621	1.0	148 380	1.1	573	1.1	122 851	1.2
Jasper	773	1.5	22 198	6.1	723	1.4	233 022	1.3	709	1.4	215 752	1.3
Jefferson	881	1.5	5 437	14.9	825	1.3	179 871	1.5	757	1.4	141 008	1.5
Jersey	558	1.6	13 961	9.1	505	1.3	140 853	1.3	487	1.4	126 485	1.3
Jo Daviess	957	.9	14 181	8.0	875	1.1	198 935	1.0	824	1.1	154 012	1.0
Johnson	414	1.3	783	87.9	390	1.2	64 289	1.8	310	1.5	34 245	2.3
Kane	703	1.1	16 139	7.5	650	1.1	189 874	.9	622	1.1	179 316	1.0
Kankakee	927	1.3	30 475	5.3	890	1.3	345 088	.9	862	1.2	326 603	1.0
Kendall	501	.9	10 429	14.6	473	.8	169 942	.9	461	.9	157 084	.9
Knox	1 021	1.0	22 103	7.2	937	1.1	318 258	.9	904	1.1	280 194	.9
Lake	374	1.0	(D)	(D)	353	1.0	62 854	1.3	322	1.1	53 902	1.5
La Salle	1 669	1.1	46 888	4.6	1 610	1.1	580 405	1.0	1 586	1.1	546 813	.9
Lawrence	365	1.6	12 838	7.3	331	1.4	155 431	1.0	318	1.5	141 619	1.0
Lee	1 007	1.1	29 089	6.0	956	1.1	389 789	.9	942	1.1	366 957	.9
Livingston	1 562	1.2	64 749	3.6	1 484	.9	613 330	.8	1 467	.9	584 617	.8
Logan	835	1.3	40 616	5.2	794	1.1	353 128	1.0	777	1.1	333 698	1.0
McDonough	905	1.2	32 879	4.5	826	1.4	299 416	1.2	792	1.4	265 448	1.2
McHenry	985	1.3	13 998	7.0	896	1.2	222 490	1.2	831	1.2	203 121	1.2
McLean	1 617	.9	78 649	3.4	1 543	.9	679 599	.7	1 518	.9	639 535	.7
Macon	771	.8	41 493	4.7	725	.8	300 370	.7	698	.8	284 701	.7
Macoupin	1 308	1.7	36 137	5.1	1 192	1.3	341 267	1.2	1 128	1.3	310 297	1.2
Madison	1 298	.9	18 233	5.4	1 198	1.0	271 442	1.1	1 116	1.0	249 677	1.1
Marion	862	1.6	12 126	11.6	804	1.6	208 007	1.7	747	1.7	179 897	1.7
Marshall	525	.9	19 313	8.4	504	1.0	181 037	1.0	489	1.0	166 281	1.0
Mason	489	1.0	23 323	5.6	474	1.1	260 664	.9	456	1.1	232 535	.9
Massac	401	1.8	2 967	13.5	365	1.8	79 335	2.0	327	1.9	59 941	2.2
Menard	375	1.1	15 952	8.3	345	1.2	148 611	.9	331	1.2	133 747	.9
Mercer	811	1.1	15 588	10.9	751	1.1	267 518	1.0	716	1.1	238 046	1.0
Monroe	589	1.2	12 437	5.6	534	1.2	155 153	1.1	487	1.3	137 709	1.2
Montgomery	1 103	1.4	31 728	6.5	1 038	1.4	337 991	1.4	1 004	1.5	311 607	1.4
Morgan	865	.9	29 901	9.0	787	1.1	264 799	1.0	760	1.1	239 921	1.0
Moultrie	491	.9	23 238	8.8	463	1.0	175 978	.9	452	1.0	167 555	.9
Ogle	1 140	1.0	23 515	5.4	1 066	1.2	359 628	.9	1 021	1.2	322 019	.9
Peoria	957	1.2	19 211	5.2	892	1.0	225 107	1.1	860	1.0	206 392	1.1
Perry	544	1.5	4 824	13.1	504	1.5	137 901	1.9	482	1.6	119 988	1.9
Piatt	510	1.1	26 031	4.7	503	.9	242 614	.8	498	.9	229 891	.8
Pike	1 103	1.5	27 574	5.2	1 009	1.3	335 504	.9	941	1.3	266 455	.9
Pope	246	1.9	(D)	(D)	231	1.2	40 399	1.7	199	1.5	22 010	2.2
Pulaski	218	1.4	3 432	15.8	204	1.8	72 397	1.5	184	2.0	60 330	1.5
Putnam	200	1.8	11 741	9.0	188	1.6	66 975	2.0	185	1.7	62 010	2.0
Randolph	944	1.1	10 044	10.8	874	1.2	208 751	1.1	821	1.2	176 690	1.2
Richland	546	1.4	12 264	10.9	516	1.4	169 570	1.2	494	1.5	155 479	1.3
Rock Island	631	1.0	10 094	9.3	585	1.0	145 790	1.1	559	1.1	125 835	1.1
St. Clair	952	1.2	23 941	5.1	873	1.1	244 673	1.1	843	1.2	230 968	1.2
Saline	428	2.0	9 589	14.4	413	1.3	124 245	1.4	377	1.5	108 929	1.5
Sangamon	1 046	.8	53 034	3.3	967	.9	413 834	.7	927	.9	390 699	.7
Schuyler	491	1.4	8 177	11.0	454	1.5	139 576	1.4	436	1.6	119 043	1.4
Scott	337	1.4	12 612	13.1	300	1.7	103 270	1.5	282	1.7	90 180	1.5
Shelby	1 306	1.5	35 922	4.7	1 234	1.4	362 853	1.1	1 192	1.4	331 942	1.1
Stark	362	1.3	14 718	5.4	343	1.2	160 082	1.0	336	1.2	147 779	1.0
Stephenson	1 178	1.3	26 614	6.0	1 085	1.4	281 905	1.2	1 040	1.4	252 705	1.2

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	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)
Tazewell	1 007	1.0	38 047	4.9	941	.8	313 429	.8	906	.8	290 548	.8
Union	483	1.5	1 640	21.7	464	1.0	86 060	1.2	416	1.2	55 315	1.3
Vermilion	1 111	1.0	47 691	4.8	1 057	1.1	463 969	.9	1 015	1.2	435 905	.9
Wabash	232	1.5	10 020	15.0	219	.9	106 674	1.0	212	1.0	99 451	1.0
Warren	809	.9	29 491	5.9	745	1.1	282 911	.9	727	1.1	254 034	.9
Washington	831	1.2	21 428	7.6	789	1.1	270 372	1.0	769	1.1	249 245	1.0
Wayne	960	1.6	14 469	7.8	904	1.4	296 599	1.2	836	1.4	250 150	1.2
White	448	1.5	12 633	5.9	419	1.6	206 816	.8	382	1.6	188 396	.8
Whiteside	1 131	1.0	31 605	9.3	1 056	1.0	360 319	.8	1 016	1.0	328 357	.8
Will	1 056	1.4	24 460	6.4	1 006	1.2	309 416	1.1	969	1.3	288 370	1.1
Williamson	538	1.1	2 293	81.8	504	.9	69 621	1.4	419	1.1	47 693	1.7
Winnebago	725	1.3	9 591	19.4	679	1.4	182 161	1.4	642	1.5	162 847	1.5
Woodford	974	1.0	32 300	5.8	891	.9	272 684	.9	868	.9	254 411	.9

Geographic area	Irrigated land				Livestock and poultry							
					Cattle and calves inventory				Beef cows inventory			
	Farms		Acres		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Illinois	**2 061**	**.9**	**328 316**	**.6**	**27 405**	**.9**	**1 601 261**	**.7**	**19 392**	**.9**	**447 201**	**.8**
Adams	18	5.7	2 158	1.1	723	1.3	39 225	1.2	574	1.4	14 371	1.6
Alexander	7	9.0	2 729	5.5	74	2.8	2 834	4.6	67	3.1	1 445	5.2
Bond	7	13.5	43	4.1	271	2.4	11 578	3.0	165	3.1	2 568	4.2
Boone	10	7.1	1 017	.8	201	2.1	12 514	2.3	75	3.8	1 187	4.9
Brown	3	16.3	5	19.6	216	1.3	10 197	1.5	187	1.5	(D)	(D)
Bureau	32	4.3	3 962	3.6	323	1.6	23 532	1.4	207	2.1	6 661	3.0
Calhoun	7	12.0	(D)	(D)	238	2.0	7 368	2.6	212	2.2	3 650	2.6
Carroll	23	5.6	5 023	3.3	354	1.4	55 909	.9	157	2.3	6 269	2.4
Cass	44	3.5	7 787	2.1	166	1.8	9 988	2.2	134	2.1	(D)	(D)
Champaign	43	3.9	8 175	2.1	176	2.1	7 703	2.3	128	2.6	2 410	3.9
Christian	13	7.2	240	10.9	224	2.0	6 765	2.1	178	2.3	3 059	2.0
Clark	18	6.6	3 789	2.3	220	2.5	5 951	3.6	181	2.7	2 385	3.2
Clay	2	6.6	(D)	(D)	220	2.2	7 496	2.9	193	2.4	3 817	3.3
Clinton	16	7.4	1 736	3.2	490	1.4	36 435	1.5	173	2.4	2 563	3.5
Coles	11	8.0	(D)	(D)	171	2.0	6 218	2.1	115	2.4	2 310	2.8
Cook	38	4.2	590	5.4	39	5.6	1 259	7.3	21	7.9	470	14.3
Crawford	20	6.0	3 125	1.8	155	2.8	5 675	2.6	138	2.9	2 609	3.2
Cumberland	7	11.9	97	13.8	202	1.9	10 268	1.8	109	2.7	1 389	3.1
De Kalb	7	11.0	(D)	(D)	167	1.8	34 702	.9	51	3.8	1 076	7.9
De Witt	5	11.1	(D)	(D)	126	2.3	3 731	3.1	111	2.5	(D)	(D)
Douglas	8	12.0	(D)	(D)	158	2.4	4 839	3.5	45	4.3	655	5.8
Du Page	20	5.7	48	10.4	9	11.0	241	17.9	5	13.9	(D)	(D)
Edgar	8	8.5	129	1.2	274	1.7	11 626	2.4	231	1.9	4 663	2.3
Edwards	5	15.6	(D)	(D)	150	2.0	6 396	3.0	128	2.3	2 630	3.5
Effingham	16	6.6	223	7.7	474	1.6	24 162	1.8	272	2.0	4 733	2.7
Fayette	16	8.9	150	15.0	507	2.3	16 729	2.4	375	2.5	5 391	2.9
Ford	11	8.6	1 515	20.7	92	2.6	5 824	1.0	64	2.6	1 871	1.3
Franklin	8	9.2	14	8.7	215	2.0	6 494	3.4	170	2.3	2 779	3.4
Fulton	15	8.1	(D)	(D)	554	1.5	30 988	1.4	491	1.5	12 955	1.6
Gallatin	21	4.6	14 159	1.0	61	3.4	3 473	3.6	56	3.5	(D)	(D)
Greene	17	6.2	2 288	3.6	353	1.8	19 653	1.9	299	2.0	8 354	2.1
Grundy	9	12.8	404	17.8	92	3.4	3 481	3.4	52	4.6	(D)	(D)
Hamilton	1	37.1	(D)	(D)	132	2.6	3 846	3.5	118	2.8	(D)	(D)
Hancock	12	8.0	1 523	6.6	532	1.6	33 890	1.6	436	1.7	12 454	1.8
Hardin	1	34.8	(D)	(D)	123	2.2	4 913	2.6	119	2.3	2 751	2.7
Henderson	43	3.8	12 277	2.7	204	1.8	19 552	2.1	174	1.9	(D)	(D)
Henry	32	4.9	3 386	6.6	489	1.4	42 126	1.2	292	1.8	8 372	1.6
Iroquois	10	8.5	1 175	7.2	339	1.5	23 832	1.3	214	1.9	4 185	2.0
Jackson	22	6.7	521	15.1	343	1.6	15 717	1.8	291	1.8	6 682	2.0
Jasper	4	17.4	(D)	(D)	239	2.0	11 928	1.8	164	2.4	3 005	2.5
Jefferson	14	9.2	341	22.4	416	1.7	15 045	2.0	340	1.8	6 227	2.1
Jersey	6	14.0	19	20.2	248	1.9	14 611	2.3	189	2.2	4 346	2.7
Jo Daviess	11	8.5	96	5.4	697	1.1	74 044	1.0	417	1.3	17 676	1.3
Johnson	7	12.6	68	14.7	263	1.7	14 530	2.3	229	1.9	5 948	2.9
Kane	50	3.5	1 848	1.3	142	2.3	16 013	1.2	38	5.0	601	6.1
Kankakee	82	3.0	17 297	1.2	146	2.7	6 324	2.7	82	3.6	1 362	6.3
Kendall	13	7.0	491	1.2	90	2.8	7 824	2.6	43	4.3	1 209	6.3
Knox	12	9.6	182	21.4	478	1.4	30 083	1.6	412	1.5	12 615	1.6
Lake	44	3.8	365	4.2	52	4.1	2 110	3.9	32	5.3	315	5.8
La Salle	26	6.3	818	11.7	302	1.8	18 759	1.5	228	2.2	5 056	3.0
Lawrence	27	4.2	11 566	2.0	107	2.7	3 803	3.6	77	3.3	1 272	5.5
Lee	51	3.6	12 003	2.6	239	1.8	23 797	1.0	117	2.6	2 796	2.7
Livingston	5	12.0	406	16.4	268	1.7	11 604	2.1	150	2.2	2 299	2.5
Logan	9	9.8	1 273	11.2	211	1.8	8 493	1.7	156	2.1	2 983	2.1

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 19
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

[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)
McDonough	13	9.7	126	16.4	366	1.6	22 253	1.7	319	1.8	9 622	2.0
McHenry	65	3.3	9 543	1.6	336	1.7	26 220	1.9	101	3.3	1 637	3.8
McLean	12	7.7	(D)	(D)	297	1.7	15 019	1.8	225	2.0	4 688	2.2
Macon	8	9.7	(D)	(D)	122	2.4	3 556	2.3	97	2.7	(D)	(D)
Macoupin	11	8.8	351	12.4	508	1.4	26 874	1.4	386	1.6	8 085	2.3
Madison	33	5.0	1 273	4.0	567	1.3	23 017	1.6	354	1.7	4 939	2.1
Marion	15	9.7	97	12.9	322	2.3	13 684	2.9	253	2.5	4 927	3.6
Marshall	16	7.1	2 446	5.7	169	2.0	9 855	2.1	150	2.2	3 942	2.3
Mason	211	1.7	75 855	1.2	115	2.6	7 629	2.9	93	3.0	(D)	(D)
Massac	15	7.3	4 311	8.2	233	2.3	10 841	2.6	202	2.5	(D)	(D)
Menard	10	7.0	936	3.4	143	1.9	10 831	1.6	110	2.2	(D)	(D)
Mercer	22	5.4	3 447	5.0	351	1.6	21 225	1.6	280	1.7	9 053	1.8
Monroe	16	5.8	1 448	1.8	224	2.0	10 300	2.2	155	2.5	3 064	2.9
Montgomery	4	12.3	13	18.1	413	1.7	15 326	1.8	311	1.8	5 027	2.2
Morgan	10	8.4	2 162	6.3	339	1.6	19 483	1.3	279	1.7	6 585	1.9
Moultrie	2	23.1	(D)	(D)	137	2.5	3 947	3.1	62	3.7	1 000	3.8
Ogle	24	5.6	3 669	4.0	416	1.4	46 607	1.0	231	2.0	7 624	1.8
Peoria	21	6.7	2 738	5.4	390	1.6	14 106	1.9	311	1.7	5 938	1.9
Perry	13	10.0	1 369	9.4	262	2.2	11 640	2.4	226	2.4	4 870	2.5
Piatt	4	15.3	220	23.7	57	3.7	3 105	4.3	46	4.0	1 253	5.3
Pike	10	7.4	1 478	1.8	515	1.5	32 556	1.4	439	1.5	15 222	1.5
Pope	2	17.6	(D)	(D)	133	2.0	7 419	2.0	124	2.1	3 419	2.4
Pulaski	7	9.4	556	2.9	89	2.8	5 722	3.8	76	3.1	2 382	4.1
Putnam	3	9.6	(D)	(D)	66	4.0	4 100	3.2	49	4.9	924	5.9
Randolph	7	9.1	298	8.4	529	1.4	24 427	1.7	396	1.6	7 960	2.0
Richland	8	9.2	54	16.8	169	2.3	5 993	2.9	125	2.8	2 212	3.8
Rock Island	28	5.3	3 678	4.0	271	1.7	17 598	1.6	219	1.9	5 326	2.4
St. Clair	33	4.9	1 346	4.4	302	1.6	9 712	2.1	175	2.3	2 399	3.2
Saline	5	13.9	130	30.8	162	2.4	5 776	3.7	139	2.6	2 738	3.8
Sangamon	19	6.7	335	7.6	334	1.6	13 748	1.8	286	1.7	5 947	2.2
Schuyler	3	15.5	(D)	(D)	277	2.0	13 106	2.2	258	2.1	6 626	2.2
Scott	11	7.0	4 301	7.6	167	2.3	7 418	2.7	146	2.6	(D)	(D)
Shelby	11	8.9	287	12.5	497	1.9	20 502	2.1	375	2.0	7 698	2.6
Stark	2	22.3	(D)	(D)	96	2.4	3 587	2.9	80	2.7	1 545	3.4
Stephenson	11	10.5	432	13.1	731	1.6	74 744	1.4	186	2.6	3 366	3.0
Tazewell	93	2.6	22 625	2.2	270	1.6	9 712	1.9	201	1.9	4 096	2.2
Union	16	8.0	247	1.7	279	1.5	12 887	1.6	247	1.6	5 587	2.1
Vermilion	11	8.6	210	13.3	255	1.7	10 862	1.9	200	2.0	3 793	2.7
Wabash	4	8.9	(D)	(D)	75	2.7	3 309	3.2	55	3.4	1 145	4.2
Warren	1	43.3	(D)	(D)	320	1.6	23 165	1.5	263	1.8	9 108	1.8
Washington	12	5.5	1 068	1.4	380	1.5	25 580	1.5	186	2.3	3 580	2.3
Wayne	12	8.4	1 035	1.1	390	1.7	15 184	1.7	335	1.8	6 935	1.7
White	18	6.1	5 287	2.4	151	2.9	6 070	4.1	133	3.1	(D)	(D)
Whiteside	138	2.4	29 231	1.8	418	1.3	44 089	.8	165	2.2	3 953	2.2
Will	53	4.0	3 715	1.6	179	2.4	6 463	2.6	91	3.5	1 303	4.3
Williamson	5	15.1	34	20.1	270	1.6	8 270	2.5	233	1.7	4 207	2.8
Winnebago	32	4.9	1 504	3.2	277	1.9	24 532	1.7	138	2.7	3 243	2.8
Woodford	14	6.9	(D)	(D)	281	1.5	13 114	1.5	199	1.8	3 875	2.3

Livestock and poultry —Con.

| Geographic area | Milk cows inventory | | | | Hogs and pigs inventory | | | | Sheep and lambs inventory | | | |
| | Farms | | Total | | Farms | | Total | | Farms | | Total | |
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Illinois	**3 050**	**1.0**	**151 503**	**.9**	**13 433**	**.9**	**5 641 115**	**.4**	**3 204**	**1.1**	**110 302**	**1.2**
Adams	51	3.8	3 165	2.6	385	1.6	187 290	.9	75	3.7	3 654	4.6
Alexander	4	13.2	79	17.2	17	7.1	870	10.8	–	–	–	–
Bond	54	5.2	3 158	4.7	137	3.3	45 852	2.4	30	6.7	965	7.8
Boone	71	3.6	3 841	3.3	69	3.6	18 380	3.3	30	6.0	1 023	5.2
Brown	2	18.3	(D)	(D)	89	2.3	38 697	1.1	23	6.6	353	8.6
Bureau	23	5.6	666	5.6	277	1.7	142 146	.9	68	3.7	2 274	5.8
Calhoun	10	11.0	73	23.0	117	3.2	42 778	1.8	17	9.2	510	10.4
Carroll	73	3.4	3 559	3.2	166	2.0	74 727	1.4	31	5.2	1 129	6.3
Cass	2	13.8	(D)	(D)	116	2.2	104 165	.7	12	8.7	372	9.7
Champaign	7	10.2	367	2.7	66	3.0	23 240	1.7	25	5.8	1 355	4.9
Christian	9	10.5	16	9.9	148	2.5	52 402	1.9	25	5.8	1 105	7.2
Clark	7	14.4	149	29.4	98	3.6	32 351	1.8	17	9.8	388	23.2
Clay	11	9.5	39	18.9	138	2.8	29 756	2.7	24	6.2	1 305	4.7
Clinton	183	2.2	14 355	1.6	171	2.3	67 068	1.6	21	6.3	326	11.7
Coles	12	9.7	293	11.8	112	2.9	27 471	2.8	20	6.8	482	7.0
Cook	6	15.6	80	17.3	8	11.1	(D)	(D)	9	10.9	71	11.9
Crawford	10	9.2	265	9.2	77	3.2	34 450	1.2	16	8.9	526	8.9
Cumberland	36	3.7	2 408	2.6	125	2.4	48 973	1.8	8	12.7	330	14.9
De Kalb	21	6.0	1 232	4.7	188	1.6	178 469	.7	42	4.3	1 674	6.7

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 20
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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

Geographic area	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
De Witt	3	16.5	(D)	(D)	25	4.6	5 351	4.7	11	7.9	321	11.7
Douglas	77	3.8	1 377	4.9	98	2.9	36 845	2.1	24	6.6	586	9.5
Du Page	1	42.1	(D)	(D)	3	17.2	(D)	(D)	6	13.4	40	15.1
Edgar	6	11.0	193	3.6	111	2.9	27 041	1.7	28	6.6	666	9.4
Edwards	5	14.8	101	23.1	121	2.5	52 072	2.3	19	7.0	456	9.2
Effingham	93	2.8	5 648	2.1	255	2.1	98 008	1.5	27	5.2	1 379	4.7
Fayette	39	5.5	2 127	4.4	208	3.0	35 587	3.6	42	6.5	1 646	10.4
Ford	4	10.3	179	4.7	65	3.0	44 138	1.3	18	6.9	661	12.6
Franklin	7	14.0	261	12.4	100	3.3	24 179	4.0	10	9.4	194	11.4
Fulton	17	7.8	232	16.4	173	2.3	50 696	2.1	62	4.2	1 748	5.2
Gallatin	2	–	(D)	(D)	38	4.4	13 091	2.7	1	40.4	(D)	(D)
Greene	16	8.0	383	11.5	271	2.2	92 751	1.7	42	4.9	1 045	6.2
Grundy	3	15.3	(D)	(D)	41	4.6	16 141	3.7	20	6.6	392	12.0
Hamilton	7	11.5	(D)	(D)	79	3.4	14 408	3.6	13	7.9	473	8.3
Hancock	13	8.5	254	13.7	273	1.8	117 593	1.2	60	4.1	3 188	4.5
Hardin	–	–	–	–	15	9.5	551	14.1	2	30.3	(D)	(D)
Henderson	6	13.3	(D)	(D)	116	2.6	46 209	2.3	21	5.9	951	5.9
Henry	19	7.8	445	13.1	495	1.3	314 544	.8	119	2.9	5 287	6.0
Iroquois	37	4.6	1 763	4.0	150	2.1	58 891	1.4	49	4.0	1 930	6.3
Jackson	17	7.1	581	7.1	88	3.3	15 591	4.0	13	10.0	316	13.0
Jasper	26	5.2	1 780	3.2	183	1.9	114 499	.9	14	7.9	664	12.4
Jefferson	14	9.1	454	10.6	146	2.8	23 816	3.4	22	7.1	537	7.0
Jersey	17	6.2	907	5.2	141	2.5	31 899	2.6	18	7.4	561	9.0
Jo Daviess	255	1.9	14 189	1.7	232	1.8	62 420	1.6	68	3.3	2 352	5.0
Johnson	16	8.4	174	17.1	55	4.5	8 485	5.3	4	15.7	44	20.9
Kane	42	4.0	2 465	3.0	82	3.5	27 450	2.3	27	5.7	649	11.9
Kankakee	22	6.6	868	6.4	95	3.0	28 703	2.3	21	6.4	971	11.9
Kendall	10	9.7	273	12.1	49	3.8	24 029	2.2	21	6.3	551	8.1
Knox	29	5.4	627	6.0	256	1.8	177 469	.6	63	3.9	1 456	4.6
Lake	13	8.9	587	6.2	15	9.2	1 338	14.3	23	6.8	431	10.9
La Salle	20	6.6	722	6.4	134	2.6	48 693	1.7	61	3.8	2 512	6.2
Lawrence	13	6.9	606	3.8	61	4.0	14 341	2.6	6	14.1	137	15.5
Lee	23	6.1	964	5.0	147	2.2	51 737	1.8	34	5.3	974	8.3
Livingston	34	4.5	1 944	4.3	237	1.7	134 668	1.1	45	3.8	918	3.8
Logan	6	8.6	54	5.1	117	2.2	81 765	.9	33	5.2	756	5.7
McDonough	7	9.4	64	3.8	142	2.4	51 086	1.9	66	3.8	2 570	5.0
McHenry	133	2.7	6 645	2.5	97	3.2	50 540	1.8	53	4.6	972	6.4
McLean	22	6.5	832	5.5	159	2.2	84 753	1.3	70	3.5	3 077	5.8
Macon	1	37.8	(D)	(D)	64	3.3	23 462	1.9	18	7.1	862	12.2
Macoupin	34	5.0	1 716	3.8	280	1.9	148 170	1.0	72	3.7	5 843	2.0
Madison	73	3.4	4 620	2.5	195	2.2	54 335	1.9	44	4.6	1 051	6.3
Marion	27	6.9	875	8.3	104	3.7	21 203	4.0	24	7.1	661	9.5
Marshall	7	12.5	215	10.9	58	4.1	17 731	4.2	25	6.5	720	9.3
Mason	2	17.5	(D)	(D)	59	3.4	45 174	1.0	13	8.2	470	10.4
Massac	2	20.8	(D)	(D)	70	4.5	15 136	4.6	5	19.7	168	20.0
Menard	4	10.4	(D)	(D)	57	2.7	49 812	.6	21	5.3	587	8.6
Mercer	8	11.7	366	11.0	220	1.9	104 014	1.3	55	3.8	1 708	5.6
Monroe	19	6.0	1 146	3.5	126	2.7	50 650	2.0	36	5.3	896	8.2
Montgomery	26	5.2	1 347	4.6	225	2.0	87 772	1.3	33	5.4	654	6.6
Morgan	9	10.2	166	6.6	199	2.0	94 103	1.3	46	4.6	2 622	3.2
Moultrie	49	4.8	917	5.9	75	3.5	25 748	2.8	21	6.8	332	10.7
Ogle	69	3.6	2 736	3.9	216	1.9	111 833	1.0	76	3.7	3 690	6.7
Peoria	18	7.7	605	7.3	107	2.7	34 861	2.2	54	4.4	1 193	5.3
Perry	12	9.6	551	9.4	100	3.7	16 501	4.4	16	9.0	308	10.6
Piatt	4	17.5	140	18.0	26	5.2	16 551	1.7	9	10.8	301	14.8
Pike	17	6.7	399	4.8	424	1.8	176 670	1.2	50	4.8	1 285	6.4
Pope	4	14.6	5	15.7	41	4.5	4 120	3.5	3	10.2	(D)	(D)
Pulaski	3	16.6	266	5.4	22	7.1	2 119	6.6	4	18.3	58	19.3
Putnam	6	12.6	152	12.3	40	5.1	14 433	3.5	7	10.7	341	20.9
Randolph	41	4.4	2 422	4.0	175	2.3	38 219	2.4	30	6.1	960	11.3
Richland	15	7.9	552	5.4	117	3.1	52 956	1.8	4	14.4	21	15.7
Rock Island	9	11.3	250	13.6	129	2.5	70 060	1.6	55	4.3	1 572	7.0
St. Clair	26	4.5	1 177	3.5	141	2.4	41 265	1.7	44	4.5	1 234	8.0
Saline	8	9.0	55	8.6	66	3.9	13 302	2.7	4	16.3	(D)	(D)
Sangamon	8	11.7	194	20.2	138	2.3	74 258	.8	52	4.4	1 522	5.8
Schuyler	10	10.5	86	23.9	93	3.5	31 645	2.3	38	5.7	1 004	7.0
Scott	1	47.5	(D)	(D)	116	3.0	42 627	2.6	28	6.9	736	9.2
Shelby	37	3.8	2 132	3.0	233	2.2	71 518	1.6	26	5.8	803	6.6
Stark	4	13.4	121	16.7	63	3.0	31 308	2.5	12	7.3	383	11.2
Stephenson	408	1.9	25 500	1.5	262	2.1	120 732	1.4	91	3.6	3 388	5.0
Tazewell	28	5.3	854	4.8	146	2.0	109 534	1.0	65	3.4	1 346	3.9
Union	9	8.9	483	8.3	43	4.4	7 955	3.4	4	15.1	240	11.5
Vermilion	14	7.2	398	9.7	123	2.4	34 236	1.8	28	5.2	793	6.9
Wabash	4	10.1	393	4.3	38	4.1	12 515	2.3	3	21.0	95	27.8
Warren	11	9.0	358	11.2	203	1.8	90 369	1.0	83	3.1	4 075	4.1
Washington	102	2.6	7 953	2.1	158	2.3	74 365	1.4	15	7.7	294	9.1
Wayne	24	5.5	774	4.3	187	2.3	52 400	1.6	11	10.3	170	15.4
White	2	18.4	(D)	(D)	54	4.4	18 179	2.2	9	11.7	219	17.5
Whiteside	57	3.9	2 465	3.2	286	1.7	128 253	1.2	64	4.0	1 781	7.3
Will	38	4.5	1 428	3.9	62	3.7	31 222	2.0	28	6.0	410	8.2
Williamson	14	8.7	74	18.4	48	4.5	9 153	5.1	6	15.4	139	19.8
Winnebago	86	3.8	4 298	3.7	101	2.8	40 954	1.9	59	4.1	2 157	9.4
Woodford	34	4.8	950	4.3	166	2.0	97 829	1.1	84	2.9	3 194	8.8

See footnotes at end of table.

1992 CENSUS OF AGRICULTURE

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 21
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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

Geographic area	Livestock and poultry —Con.							
	Hens and pullets of laying age inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Illinois	**2 222**	**1.3**	**3 874 406**	**.3**	**123**	**3.1**	**60 004**	**7.0**
Adams	33	5.6	(D)	(D)	1	39.3	(D)	(D)
Alexander	8	10.0	149	9.2	–	–	–	–
Bond	16	9.5	444	14.2	2	21.3	(D)	(D)
Boone	21	7.7	1 478	11.0	–	–	–	–
Brown	13	7.7	602	3.9	–	–	–	–
Bureau	36	5.0	1 731	12.1	1	33.6	(D)	(D)
Calhoun	11	11.7	346	13.3	–	–	–	–
Carroll	21	6.8	(D)	(D)	5	11.5	436	16.7
Cass	7	10.5	501	7.9	–	–	–	–
Champaign	20	6.9	4 628	.8	1	33.1	(D)	(D)
Christian	12	10.9	347	15.3	–	–	–	–
Clark	22	8.3	1 332	24.2	–	–	–	–
Clay	28	5.9	973	9.7	–	–	–	–
Clinton	34	4.6	900 347	1.1	–	–	–	–
Coles	22	6.4	(D)	(D)	1	26.7	(D)	(D)
Cook	12	10.7	351	21.5	–	–	–	–
Crawford	15	10.6	351	13.7	–	–	–	–
Cumberland	19	7.1	445	9.6	–	–	–	–
De Kalb	18	6.5	(D)	(D)	1	36.2	(D)	(D)
De Witt	11	7.9	(D)	(D)	–	–	–	–
Douglas	39	5.2	4 159	6.8	7	12.1	20 945	19.5
Du Page	4	16.8	39	23.1	–	–	–	–
Edgar	15	7.9	(D)	(D)	–	–	–	–
Edwards	14	10.0	364	12.7	–	–	–	–
Effingham	40	4.8	(D)	(D)	–	–	–	–
Fayette	49	5.5	(D)	(D)	2	21.4	(D)	(D)
Ford	15	7.7	560	14.5	–	–	–	–
Franklin	32	6.1	758	9.3	–	–	–	–
Fulton	41	5.3	973	6.7	2	25.3	(D)	(D)
Gallatin	3	14.9	14	12.8	–	–	–	–
Greene	32	5.9	899	7.0	1	44.2	(D)	(D)
Grundy	3	21.2	63	12.3	–	–	–	–
Hamilton	10	11.1	355	21.8	–	–	–	–
Hancock	27	6.4	1 696	9.7	–	–	–	–
Hardin	6	16.2	219	18.0	–	–	–	–
Henderson	12	9.7	2 216	19.2	–	–	–	–
Henry	30	6.2	2 093	11.8	7	11.4	506	13.4
Iroquois	24	5.7	(D)	(D)	–	–	–	–
Jackson	27	6.5	478	7.5	–	–	–	–
Jasper	17	7.3	462	12.3	1	–	(D)	(D)
Jefferson	32	5.8	639	9.1	–	–	–	–
Jersey	33	6.5	1 185	8.0	–	–	–	–
Jo Daviess	33	5.5	1 004	6.2	6	11.7	775	19.9
Johnson	13	8.2	(D)	(D)	–	–	–	–
Kane	21	7.1	1 621	21.9	4	17.9	159	19.9
Kankakee	24	7.2	(D)	(D)	2	16.1	(D)	(D)
Kendall	12	9.0	853	17.8	3	17.5	(D)	(D)
Knox	25	6.9	1 866	17.5	3	20.3	(D)	(D)
Lake	23	7.1	1 331	14.7	–	–	–	–
La Salle	33	5.8	644	8.0	–	–	–	–
Lawrence	6	12.1	127	18.2	–	–	–	–
Lee	17	7.5	(D)	(D)	5	12.2	540	15.5
Livingston	34	4.9	176 408	1.1	4	15.7	390	8.9
Logan	10	6.4	(D)	(D)	–	–	–	–
McDonough	17	7.6	516	8.3	–	–	–	–
McHenry	57	4.5	5 504	12.6	6	14.1	441	15.0
McLean	18	7.1	483	8.6	3	13.7	57	18.7
Macon	15	8.0	(D)	(D)	1	37.3	(D)	(D)
Macoupin	41	5.1	1 801	9.6	–	–	–	–
Madison	56	4.1	3 623	7.4	1	34.5	(D)	(D)
Marion	22	8.4	(D)	(D)	2	22.7	(D)	(D)
Marshall	4	15.9	(D)	(D)	–	–	–	–
Mason	9	11.2	794	19.3	–	–	–	–
Massac	10	12.6	188	13.5	–	–	–	–
Menard	20	5.7	2 029	15.0	–	–	–	–
Mercer	19	7.3	447	9.5	1	35.8	(D)	(D)
Monroe	35	5.3	22 131	15.5	1	36.6	(D)	(D)
Montgomery	27	6.1	(D)	(D)	1	29.2	(D)	(D)
Morgan	21	7.9	535	9.7	1	45.2	(D)	(D)
Moultrie	22	7.4	(D)	(D)	2	25.1	(D)	(D)
Ogle	32	5.8	(D)	(D)	9	9.9	(D)	(D)
Peoria	13	8.8	317	10.5	1	31.6	(D)	(D)
Perry	25	7.1	1 390	11.3	–	–	–	–
Piatt	6	12.6	85	21.2	–	–	–	–
Pike	29	6.0	1 246	5.0	–	–	–	–
Pope	5	14.9	54	15.8	–	–	–	–
Pulaski	4	16.5	172	16.4	–	–	–	–
Putnam	9	11.4	915	10.2	–	–	–	–
Randolph	43	5.1	1 800	8.0	–	–	–	–

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 22
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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.

Geographic area	Hens and pullets of laying age inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Richland	27	6.2	1 081	10.4	2	23.1	(D)	(D)
Rock Island	10	11.7	623	40.0	2	23.2	(D)	(D)
St. Clair	48	4.5	2 925	7.7	1	–	(D)	(D)
Saline	9	10.1	(D)	(D)	–	–	–	–
Sangamon	30	5.7	(D)	(D)	1	36.9	(D)	(D)
Schuyler	10	11.9	267	13.7	1	46.6	(D)	(D)
Scott	9	11.9	385	18.3	1	41.0	(D)	(D)
Shelby	40	5.5	4 339	15.1	–	–	–	–
Stark	4	14.0	(D)	(D)	1	25.8	(D)	(D)
Stephenson	39	5.1	(D)	(D)	9	11.7	2 130	16.5
Tazewell	23	6.2	(D)	(D)	1	36.8	(D)	(D)
Union	18	7.8	(D)	(D)	–	–	–	–
Vermilion	23	5.9	852	8.5	–	–	–	–
Wabash	5	12.8	100	19.0	–	–	–	–
Warren	24	6.0	(D)	(D)	–	–	–	–
Washington	36	5.0	(D)	(D)	–	–	–	–
Wayne	28	5.4	591	5.9	–	–	–	–
White	16	8.7	396	11.4	–	–	–	–
Whiteside	28	6.4	(D)	(D)	8	11.4	1 911	17.8
Will	23	7.5	969	9.9	–	–	–	–
Williamson	19	7.0	497	10.3	–	–	–	–
Winnebago	26	6.1	1 168	9.4	5	16.6	979	23.9
Woodford	33	4.5	(D)	(D)	3	15.9	273	20.6

Selected crops harvested

Geographic area	Corn for grain or seed						Corn for silage or green chop					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Relative standard error of estimate (percent)
Illinois	**55 685**	**.9**	**10 770 985**	**.6**	**1 532 681 088**	**.6**	**5 005**	**.9**	**164 698**	**.8**	**2 659 536**	**.9**
Adams	1 022	1.4	130 035	1.2	17 782 360	1.2	100	2.6	2 732	3.4	34 545	2.8
Alexander	80	2.4	11 253	1.4	1 556 077	1.2	4	16.0	50	15.5	1 190	15.9
Bond	359	2.3	36 676	2.2	4 778 458	2.2	78	4.3	1 857	4.7	28 275	5.0
Boone	331	1.6	67 018	1.4	8 255 549	1.4	90	3.2	2 978	4.1	43 688	3.5
Brown	241	1.1	34 531	1.0	4 628 365	1.0	14	6.0	334	4.4	7 137	4.0
Bureau	1 080	1.1	258 530	.9	35 818 997	.9	61	3.0	1 952	3.7	33 644	5.4
Calhoun	253	2.0	19 575	2.1	2 572 366	2.1	11	9.5	310	14.0	6 296	13.8
Carroll	515	1.1	133 260	.9	17 491 658	.9	182	1.7	7 493	1.9	123 221	2.2
Cass	321	1.1	81 986	.9	12 090 530	.9	6	5.2	284	16.3	3 990	11.6
Champaign	1 274	.9	278 159	.7	45 486 676	.7	22	5.4	1 923	7.1	32 798	9.1
Christian	728	1.2	175 230	.8	29 422 279	.8	9	6.5	(D)	(D)	(D)	(D)
Clark	505	1.8	93 749	1.4	14 688 566	1.4	21	8.3	637	10.4	10 045	10.7
Clay	410	1.9	56 753	1.6	6 028 137	1.5	16	5.8	894	3.7	16 833	7.2
Clinton	725	1.3	68 440	1.2	8 406 120	1.2	203	2.1	5 561	2.2	92 937	2.2
Coles	531	1.1	111 509	.9	17 672 756	.9	23	5.1	361	6.2	6 546	6.5
Cook	61	3.5	10 558	3.7	1 068 050	4.4	6	13.2	466	26.2	4 747	27.9
Crawford	397	1.8	81 458	1.2	11 567 230	1.1	12	8.6	220	8.9	3 645	8.5
Cumberland	500	1.4	67 220	1.3	10 175 081	1.3	50	3.2	1 542	2.4	27 791	2.5
De Kalb	785	.9	211 712	.6	28 270 633	.7	93	2.1	4 968	2.9	84 997	1.7
De Witt	411	1.2	97 072	1.0	14 524 803	1.0	11	7.6	410	20.1	6 272	19.7
Douglas	549	1.0	125 752	.7	20 883 386	.7	56	4.4	870	7.7	14 865	7.4
Du Page	26	5.0	7 768	2.7	797 479	3.3	2	21.1	(D)	(D)	(D)	(D)
Edgar	644	1.3	154 471	.9	23 965 721	.9	22	5.4	1 514	8.6	33 376	9.4
Edwards	228	1.5	36 492	1.4	4 863 378	1.3	22	6.2	433	4.7	6 489	4.4
Effingham	819	1.6	82 668	1.7	10 435 368	1.7	142	2.6	4 073	2.3	60 316	2.4
Fayette	666	2.1	77 211	1.7	9 699 090	1.6	68	4.4	2 478	5.1	44 281	7.1
Ford	546	.9	138 274	.8	20 354 780	.8	9	3.8	468	1.5	9 753	1.1
Franklin	255	1.9	37 532	1.7	3 926 908	1.7	25	6.2	817	9.1	18 232	11.1
Fulton	831	1.4	136 118	1.1	18 969 816	1.1	45	3.9	1 282	4.9	20 470	4.8
Gallatin	176	1.6	70 458	.9	10 552 071	.9	1	–	(D)	(D)	(D)	(D)
Greene	596	1.7	102 220	1.2	14 277 842	1.2	42	4.2	1 190	2.9	13 981	3.9
Grundy	457	2.0	112 238	1.5	16 222 650	1.5	8	11.4	262	12.5	4 862	11.8
Hamilton	277	1.7	55 787	1.3	6 766 607	1.2	5	15.6	198	22.5	2 056	21.9
Hancock	884	1.5	144 874	1.2	20 912 517	1.2	76	3.0	2 770	4.3	54 100	4.6
Hardin	19	7.3	2 022	4.2	235 247	4.7	2	23.6	(D)	(D)	(D)	(D)
Henderson	382	1.2	92 847	1.1	12 845 065	1.1	29	3.5	1 534	3.8	21 753	2.9
Henry	1 160	1.1	235 585	.8	32 068 803	.8	131	2.1	4 093	2.5	61 232	2.7
Iroquois	1 356	1.1	311 765	.8	44 526 657	.8	62	3.0	2 603	4.5	46 056	5.4
Jackson	295	1.6	35 310	1.7	3 769 012	1.7	22	5.8	876	2.9	13 696	2.1
Jasper	579	1.6	85 027	1.3	11 923 165	1.3	45	3.6	1 832	3.5	29 297	3.8
Jefferson	415	1.9	41 720	1.5	3 787 450	1.5	29	6.0	1 005	9.8	13 020	10.3
Jersey	363	1.7	55 677	1.4	8 079 086	1.4	45	4.4	1 033	3.9	15 419	3.5
Jo Daviess	670	1.2	82 678	1.0	9 368 743	1.0	280	1.8	7 375	1.8	103 890	2.2
Johnson	91	3.3	10 202	3.0	1 087 091	3.0	9	11.0	260	8.6	2 695	10.4

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 23
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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

Selected crops harvested

Geographic area	Corn for grain or seed — Farms Number	Corn for grain or seed — Farms Relative standard error of estimate (percent)	Corn for grain or seed — Acres Number	Corn for grain or seed — Acres Relative standard error of estimate (percent)	Corn for grain or seed — Quantity Bushels	Corn for grain or seed — Quantity Relative standard error of estimate (percent)	Corn for silage or green chop — Farms Number	Corn for silage or green chop — Farms Relative standard error of estimate (percent)	Corn for silage or green chop — Acres Number	Corn for silage or green chop — Acres Relative standard error of estimate (percent)	Corn for silage or green chop — Quantity Tons, green	Corn for silage or green chop — Quantity Relative standard error of estimate (percent)
Kane	440	1.3	102 365	1.0	12 328 593	1.0	74	2.8	2 686	3.4	45 390	4.3
Kankakee	752	1.2	182 399	1.0	24 303 166	1.0	39	4.8	777	6.0	11 046	5.9
Kendall	390	1.0	88 996	.9	12 312 186	.9	30	4.1	1 150	4.0	18 102	2.6
Knox	772	1.2	151 798	.9	21 967 613	.9	44	3.7	1 003	4.8	16 222	5.5
Lake	104	2.5	20 344	1.7	1 841 779	1.5	18	6.9	951	3.0	10 560	3.7
La Salle	1 416	1.2	287 432	1.0	42 403 608	.9	71	3.1	4 090	4.3	81 512	5.4
Lawrence	250	1.8	68 863	1.1	9 549 610	1.0	13	7.4	677	5.8	10 056	7.1
Lee	864	1.2	225 260	.9	32 353 349	.9	66	2.3	2 382	2.3	39 179	2.3
Livingston	1 391	.9	293 896	.8	43 905 431	.8	55	3.7	2 807	9.1	66 524	11.8
Logan	723	1.2	175 295	.9	27 406 563	.9	11	5.2	386	4.6	4 998	6.5
McDonough	660	1.5	133 566	1.2	20 296 253	1.1	36	4.0	2 059	5.8	41 332	4.9
McHenry	517	1.5	108 536	1.3	12 410 856	1.3	165	2.4	5 380	2.1	79 281	2.1
McLean	1 382	.9	331 888	.7	51 671 510	.7	48	4.4	1 824	7.2	33 282	7.9
Macon	589	.9	145 558	.7	25 006 618	.7	3	16.2	50	19.5	900	21.6
Macoupin	917	1.5	137 074	1.3	21 136 563	1.2	95	2.7	2 817	5.6	46 916	5.3
Madison	750	1.2	82 016	1.2	11 612 024	1.1	98	2.9	2 462	3.2	38 802	3.0
Marion	441	2.0	44 767	1.9	4 916 645	1.9	33	6.4	905	6.9	12 297	6.1
Marshall	435	1.2	86 775	1.1	12 809 123	1.1	14	5.5	323	6.3	4 430	4.1
Mason	407	1.2	111 799	.9	16 122 793	.9	4	–	410	–	8 020	–
Massac	178	2.7	23 568	2.8	2 801 028	2.8	9	7.7	457	1.1	5 560	.3
Menard	258	1.3	67 358	1.0	10 411 084	1.0	12	5.5	236	3.2	3 094	4.4
Mercer	590	1.3	137 717	1.0	18 805 430	1.0	37	3.9	799	5.9	11 955	6.0
Monroe	318	1.6	41 644	1.2	5 160 163	1.2	25	5.0	1 051	3.7	17 684	4.3
Montgomery	826	1.7	136 243	1.4	20 976 118	1.4	48	3.4	1 709	6.5	35 367	7.0
Morgan	647	1.3	121 830	1.0	18 251 974	1.0	29	3.6	1 346	1.9	18 563	2.4
Moultrie	401	1.1	84 971	.9	14 715 916	.9	38	5.2	452	5.2	7 832	6.0
Ogle	899	1.2	214 800	.9	27 944 880	.9	163	2.0	5 158	1.6	82 501	1.8
Peoria	679	1.2	108 255	1.1	15 066 314	1.1	24	6.0	856	5.9	13 462	8.2
Perry	355	1.9	42 501	2.1	3 804 738	2.0	39	5.8	827	4.8	11 015	4.4
Piatt	451	1.0	117 130	.8	19 869 505	.8	19	6.8	452	10.4	11 985	12.4
Pike	737	1.4	123 507	.9	17 163 919	.8	53	3.7	1 803	3.6	24 137	3.2
Pope	78	3.2	6 462	2.8	679 464	2.9	3	18.3	90	16.6	950	15.8
Pulaski	82	2.7	17 178	1.7	2 365 531	1.7	5	5.0	280	6.1	5 557	6.1
Putnam	167	1.8	34 505	2.0	4 896 003	2.1	11	9.1	324	16.0	5 300	19.0
Randolph	587	1.5	55 867	1.3	6 179 582	1.2	71	3.4	1 728	3.2	25 029	3.6
Richland	398	1.7	64 949	1.3	8 115 862	1.3	32	5.5	888	7.0	15 422	9.0
Rock Island	435	1.3	73 607	1.1	9 793 064	1.1	30	5.8	546	6.4	9 215	6.1
St. Clair	652	1.3	80 417	1.2	11 176 653	1.2	42	3.9	946	4.7	16 778	5.3
Saline	245	1.9	46 651	1.5	5 801 779	1.5	7	13.2	540	16.4	7 964	16.5
Sangamon	751	1.0	197 651	.7	32 314 473	.7	23	6.0	1 862	11.6	26 468	13.9
Schuyler	366	1.8	51 803	1.4	7 208 862	1.4	12	9.9	285	10.7	4 711	11.8
Scott	251	1.9	46 134	1.5	6 930 900	1.5	7	10.1	294	21.1	3 754	24.8
Shelby	1 000	1.5	157 026	1.1	24 204 809	1.1	94	3.1	2 929	3.7	54 733	4.2
Stark	309	1.3	85 985	1.0	12 562 043	1.0	16	6.7	185	7.4	2 832	9.0
Stephenson	919	1.5	151 696	1.1	18 121 255	1.1	396	1.9	10 260	1.5	150 667	1.6
Tazewell	771	.9	153 974	.8	23 987 451	.8	24	4.4	641	3.8	10 035	3.1
Union	137	2.4	12 578	1.9	1 524 173	1.9	6	11.0	285	7.2	2 470	11.7
Vermilion	864	1.2	221 793	.9	34 909 100	.9	30	4.0	1 349	7.8	25 626	10.6
Wabash	181	1.2	45 931	1.1	6 463 905	1.1	11	7.6	251	6.9	3 496	4.8
Warren	664	1.2	150 521	.9	22 182 403	.9	45	3.6	1 502	5.4	24 794	6.2
Washington	639	1.3	78 521	1.1	8 638 065	1.1	150	2.3	4 982	2.4	65 112	2.6
Wayne	561	1.5	83 554	1.1	9 364 302	1.1	50	3.3	1 434	2.9	18 677	3.3
White	302	1.5	79 501	.8	10 935 763	.9	7	12.9	72	7.9	854	9.9
Whiteside	891	1.1	224 053	.8	31 388 948	.8	132	2.0	5 091	2.4	84 407	3.8
Will	705	1.4	144 035	1.1	18 507 438	1.2	44	4.1	1 041	5.5	20 231	7.2
Williamson	169	2.2	16 990	2.2	1 796 125	2.6	11	9.1	234	11.8	3 497	12.5
Winnebago	478	1.7	100 284	1.6	11 585 891	1.6	124	2.7	4 633	2.9	67 957	3.5
Woodford	731	1.0	131 748	.9	19 119 269	.9	20	6.2	823	13.5	13 615	14.5

Selected crops harvested —Con.

Geographic area	Wheat for grain — Farms Number	Wheat for grain — Farms Relative standard error of estimate (percent)	Wheat for grain — Acres Number	Wheat for grain — Acres Relative standard error of estimate (percent)	Wheat for grain — Quantity Bushels	Wheat for grain — Quantity Relative standard error of estimate (percent)	Soybeans for beans — Farms Number	Soybeans for beans — Farms Relative standard error of estimate (percent)	Soybeans for beans — Acres Number	Soybeans for beans — Acres Relative standard error of estimate (percent)	Soybeans for beans — Quantity Bushels	Soybeans for beans — Quantity Relative standard error of estimate (percent)
Illinois	**17 061**	**1.0**	**1 075 805**	**.8**	**54 096 203**	**.8**	**52 339**	**.9**	**8 932 399**	**.6**	**373 563 650**	**.6**
Adams	715	1.4	32 008	1.3	1 477 780	1.3	1 013	1.4	119 739	1.2	4 578 518	1.2
Alexander	31	4.3	3 005	4.6	154 510	4.5	91	2.2	35 837	1.6	1 280 048	1.6
Bond	364	2.3	35 174	2.3	1 950 236	2.2	404	2.2	62 273	2.3	2 156 889	2.3
Boone	11	9.2	145	9.3	5 276	8.9	279	1.7	35 158	1.6	1 422 128	1.7
Brown	159	1.5	7 728	1.2	355 024	1.4	225	1.2	28 230	1.0	1 106 765	1.0
Bureau	38	3.9	1 028	3.8	39 131	3.6	975	1.2	140 086	1.0	5 890 788	1.0
Calhoun	132	2.6	5 325	2.2	267 572	2.1	181	2.4	11 839	2.1	490 253	2.1
Carroll	8	10.2	192	14.1	7 572	11.3	239	1.6	19 557	1.6	884 303	1.6
Cass	127	2.0	4 890	1.9	206 148	2.0	322	1.1	66 679	1.0	2 662 073	.9

See footnotes at end of table.

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

Geographic area	Wheat for grain — 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)	Soybeans 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)
Champaign	42	3.8	1 280	3.6	64 069	4.1	1 260	.9	246 677	.7	11 434 033	.7
Christian	194	1.9	6 400	2.2	372 568	2.1	670	1.2	169 850	.8	8 036 535	.7
Clark	217	2.5	11 474	2.1	543 574	2.2	502	1.8	91 915	1.5	3 696 628	1.5
Clay	375	2.1	33 813	1.9	1 596 286	1.8	485	1.8	82 005	1.6	2 477 512	1.6
Clinton	657	1.3	37 635	1.3	2 029 431	1.3	697	1.3	71 982	1.3	2 506 435	1.3
Coles	124	2.3	4 228	2.3	200 198	2.3	510	1.1	101 818	.9	4 557 452	.9
Cook	6	12.3	178	22.8	5 937	25.9	65	3.2	10 949	2.8	375 912	3.2
Crawford	208	1.8	17 006	1.4	782 549	1.5	404	1.7	82 865	1.3	3 343 542	1.2
Cumberland	263	1.6	9 387	2.0	481 767	2.0	490	1.4	64 324	1.5	2 700 085	1.5
De Kalb	14	5.0	578	2.8	29 118	2.9	735	.9	113 384	.8	4 927 795	.8
De Witt	24	5.5	858	11.5	33 923	12.1	393	1.3	89 094	1.1	3 913 003	1.0
Douglas	24	4.9	658	2.7	36 383	2.6	513	1.0	110 615	.8	5 171 279	.8
Du Page	3	–	(D)	(D)	(D)	(D)	30	4.4	5 914	3.1	214 844	3.4
Edgar	100	2.8	3 183	2.6	156 805	2.6	630	1.3	141 189	.9	6 155 265	.9
Edwards	172	1.8	11 755	1.8	534 290	1.8	212	1.7	31 702	1.5	1 258 759	1.5
Effingham	645	1.8	26 672	1.8	1 419 017	1.9	811	1.6	81 855	1.7	2 990 332	1.7
Fayette	593	2.1	43 248	2.0	2 308 894	1.9	715	2.0	105 960	1.8	3 872 485	1.7
Ford	5	8.3	260	8.0	13 400	7.6	545	.9	133 119	.7	6 001 359	.8
Franklin	147	2.4	11 733	1.9	549 472	1.6	299	1.8	57 360	1.5	1 801 742	1.5
Fulton	260	1.9	10 665	2.1	499 572	2.4	794	1.3	112 823	1.0	4 631 620	1.1
Gallatin	84	2.3	10 429	1.2	585 823	1.0	175	1.7	57 637	1.1	2 308 952	1.1
Greene	348	1.8	16 917	1.7	911 911	1.8	546	1.7	87 251	1.2	3 618 928	1.2
Grundy	15	7.3	508	3.9	23 879	4.1	422	2.1	86 305	1.6	3 690 231	1.6
Hamilton	178	2.0	18 813	1.6	869 000	1.4	313	1.7	65 413	1.3	2 274 818	1.2
Hancock	351	1.8	12 939	1.8	540 636	1.8	874	1.4	138 871	1.2	5 873 371	1.2
Hardin	1	–	(D)	(D)	(D)	(D)	15	7.5	1 632	6.6	51 159	5.9
Henderson	19	6.1	935	11.6	40 488	14.3	323	1.3	47 288	1.3	2 012 805	1.3
Henry	19	5.0	569	3.3	25 874	3.4	994	1.1	112 518	.9	4 890 972	.9
Iroquois	40	3.7	1 613	5.2	71 630	3.3	1 316	1.1	268 316	.8	11 705 945	.8
Jackson	230	1.8	16 560	1.6	824 069	1.6	302	1.6	52 982	1.3	1 852 887	1.4
Jasper	408	1.6	21 672	1.6	1 123 366	1.6	611	1.5	102 686	1.3	4 275 540	1.2
Jefferson	282	2.2	17 637	1.8	761 690	1.7	450	1.8	63 528	1.7	1 908 395	1.6
Jersey	270	1.8	18 628	1.5	1 008 013	1.5	363	1.7	47 583	1.4	2 035 721	1.3
Jo Daviess	7	11.8	112	11.9	5 058	11.0	144	2.4	9 165	2.1	320 929	2.1
Johnson	26	6.0	1 677	7.3	82 315	7.4	66	3.9	8 712	3.5	295 181	3.3
Kane	24	5.1	1 178	9.6	45 610	9.3	411	1.3	60 513	1.2	2 438 976	1.1
Kankakee	35	4.9	1 044	5.6	46 477	6.3	722	1.2	129 159	1.1	5 313 886	1.0
Kendall	13	5.7	359	4.8	15 810	3.7	378	1.0	62 566	1.1	2 727 086	1.1
Knox	78	3.1	2 052	2.5	99 377	2.3	688	1.3	110 898	.9	4 957 706	.9
Lake	18	5.9	2 094	2.0	72 074	1.6	101	2.5	21 951	1.5	651 635	1.5
La Salle	21	5.7	939	6.2	44 581	6.7	1 381	1.2	243 328	1.0	10 688 999	.9
Lawrence	171	2.0	17 324	1.5	809 768	1.5	256	1.7	56 163	1.2	2 249 464	1.1
Lee	16	6.4	546	3.8	27 007	3.1	788	1.2	124 022	1.1	5 311 883	1.0
Livingston	29	5.3	544	4.3	24 570	3.8	1 366	1.0	283 573	.8	12 556 734	.8
Logan	41	4.0	1 726	3.0	62 548	5.1	712	1.2	155 517	1.0	6 961 342	1.0
McDonough	112	2.8	3 623	2.4	148 291	2.7	644	1.5	121 120	1.2	5 267 348	1.1
McHenry	31	5.2	1 265	6.1	43 849	5.9	391	1.6	54 081	1.4	2 073 761	1.4
McLean	17	7.3	771	7.6	26 477	10.2	1 339	1.0	301 060	.7	13 995 756	.7
Macon	24	6.2	777	5.6	32 100	6.3	572	.9	136 984	.7	6 500 970	.7
Macoupin	529	1.6	26 132	1.6	1 445 650	1.6	907	1.5	134 709	1.3	5 745 426	1.2
Madison	704	1.2	55 745	1.2	2 991 987	1.2	787	1.2	99 758	1.2	3 935 201	1.1
Marion	410	2.1	33 308	1.9	1 693 666	1.9	543	1.8	78 729	1.8	2 626 138	1.9
Marshall	52	3.8	2 342	3.4	68 882	4.8	412	1.2	70 630	1.1	3 048 295	1.2
Mason	103	2.6	4 197	3.0	166 692	3.3	402	1.2	86 603	1.0	3 495 617	1.0
Massac	52	4.9	2 713	4.0	124 663	4.5	167	2.8	24 541	2.5	861 790	2.7
Menard	70	2.5	2 601	1.9	150 424	2.0	252	1.4	60 542	1.0	2 663 034	1.0
Mercer	38	4.2	1 003	4.9	38 312	5.1	545	1.4	89 504	1.0	3 897 156	1.0
Monroe	365	1.5	40 789	1.3	2 161 491	1.3	369	1.5	49 233	1.2	1 833 569	1.3
Montgomery	489	1.8	29 390	1.5	1 709 608	1.5	832	1.6	135 029	1.4	5 611 065	1.4
Morgan	209	2.0	6 695	2.2	375 643	2.6	607	1.3	107 310	1.0	4 794 416	1.0
Moultrie	69	3.3	1 823	3.2	100 622	3.3	379	1.1	78 519	1.0	3 744 526	1.0
Ogle	23	5.6	960	11.3	53 094	12.0	683	1.4	77 427	1.1	3 408 140	1.1
Peoria	123	2.7	4 111	5.0	141 516	5.4	612	1.3	83 809	1.2	3 530 399	1.1
Perry	290	2.2	19 348	2.3	871 591	2.4	373	1.9	50 726	2.1	1 484 609	2.1
Piatt	12	7.9	1 313	2.2	53 666	1.6	443	1.0	111 157	.8	5 257 995	.8
Pike	419	1.7	27 700	1.2	1 506 450	1.2	654	1.6	98 757	1.0	3 768 812	.9
Pope	18	6.6	786	14.0	26 392	12.7	61	3.6	6 353	3.5	195 051	3.5
Pulaski	63	3.3	4 883	2.7	242 786	2.6	121	2.7	32 874	1.5	1 196 354	1.5
Putnam	16	8.2	387	10.9	15 659	14.3	153	2.0	25 427	2.2	1 180 225	2.2
Randolph	540	1.4	41 385	1.3	2 026 298	1.2	589	1.4	66 603	1.3	2 150 558	1.3
Richland	300	1.8	19 888	1.7	987 868	1.7	402	1.6	68 936	1.4	2 565 101	1.3
Rock Island	17	4.6	663	2.8	28 928	1.7	337	1.4	41 762	1.4	1 805 321	1.3
St. Clair	619	1.3	50 672	1.4	2 744 717	1.4	684	1.3	93 291	1.2	3 647 615	1.2
Saline	116	2.8	8 431	2.7	408 742	2.3	228	1.9	45 358	1.7	1 733 611	1.6
Sangamon	95	2.8	3 198	3.5	179 767	3.5	733	1.0	184 145	.7	8 892 090	.7
Schuyler	232	2.2	11 207	1.9	507 761	2.0	343	1.9	48 969	1.4	1 909 891	1.4
Scott	113	2.9	5 547	2.6	309 933	2.8	229	2.0	36 373	1.5	1 493 981	1.6
Shelby	543	1.6	22 290	1.6	1 223 357	1.6	945	1.5	144 061	1.1	6 093 881	1.1
Stark	12	6.7	408	10.2	20 045	12.9	282	1.4	60 446	1.2	2 604 176	1.2
Stephenson	12	7.3	336	7.7	16 824	8.8	417	1.9	32 320	1.7	1 360 300	1.7

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 25
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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

Geographic area	Selected crops harvested —Con.											
	Wheat for grain						Soybeans for beans					
	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)
Tazewell	93	2.5	2 513	2.8	107 951	2.8	736	.9	121 425	.8	5 513 775	.8
Union	63	3.2	4 332	2.0	184 001	2.5	122	2.6	23 318	1.8	730 851	2.0
Vermilion	75	2.9	2 233	2.7	99 868	2.5	846	1.2	207 021	.9	9 112 330	.9
Wabash	115	1.8	10 713	1.6	530 685	1.6	174	1.2	43 223	1.1	1 737 527	1.2
Warren	20	5.2	494	4.2	21 957	4.1	603	1.2	94 742	1.1	4 400 522	1.0
Washington	627	1.2	60 175	1.1	3 060 936	1.1	673	1.2	105 487	1.1	3 343 813	1.1
Wayne	415	1.8	31 435	1.4	1 355 349	1.5	634	1.6	112 559	1.3	3 747 492	1.2
White	214	1.7	31 145	1.0	1 497 923	1.0	293	1.5	81 899	.8	3 270 134	.7
Whiteside	32	4.8	1 250	3.4	66 413	3.2	690	1.2	81 229	1.1	3 524 628	1.1
Will	45	4.3	1 868	5.4	71 847	6.3	699	1.5	125 298	1.2	4 997 784	1.2
Williamson	46	4.0	1 718	3.9	71 963	3.8	134	2.3	19 180	2.5	566 148	2.5
Winnebago	26	5.3	1 318	11.6	34 326	9.4	369	2.0	41 306	1.7	1 596 108	1.7
Woodford	71	3.4	2 448	3.9	100 377	3.3	723	1.0	116 191	.9	5 138 433	.9

Geographic area	Selected crops harvested —Con.									
	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)						Vegetables harvested for sale			
	Farms		Acres		Quantity		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Illinois	**27 481**	**.9**	**902 899**	**.8**	**2 463 316**	**.8**	**1 714**	**1.0**	**99 422**	**.8**
Adams	676	1.4	22 811	1.5	59 066	1.7	9	10.4	194	5.1
Alexander	62	3.3	2 722	5.0	3 202	5.9	4	14.1	(D)	(D)
Bond	253	2.5	8 588	3.5	22 961	3.8	4	15.4	18	17.1
Boone	232	1.9	8 594	2.6	26 786	2.6	45	4.8	2 776	5.0
Brown	182	1.5	5 661	1.9	14 148	1.5	2	18.3	(D)	(D)
Bureau	353	1.5	8 526	2.8	24 804	2.6	23	6.1	933	9.9
Calhoun	222	2.1	4 766	2.7	10 696	2.8	9	10.8	90	15.4
Carroll	371	1.2	16 991	1.7	58 682	1.9	8	11.7	480	21.1
Cass	149	1.9	3 747	2.0	10 755	2.3	10	8.6	169	7.1
Champaign	219	1.9	4 200	2.5	13 888	2.3	15	6.9	216	11.5
Christian	182	2.2	3 012	2.3	7 859	2.3	8	11.1	27	14.2
Clark	180	2.8	3 567	3.0	8 215	3.2	3	–	343	–
Clay	198	2.3	6 519	3.5	12 074	3.3	4	15.6	17	16.8
Clinton	474	1.4	22 644	1.5	81 497	1.6	3	16.5	9	21.3
Coles	168	2.1	4 404	5.4	12 627	3.0	9	9.6	35	11.3
Cook	65	3.9	5 036	4.1	14 337	3.2	26	6.4	1 233	3.0
Crawford	135	2.9	3 861	3.2	7 790	3.3	11	8.7	623	7.5
Cumberland	185	2.1	4 959	2.1	13 988	2.0	6	12.6	37	22.8
De Kalb	250	1.5	6 376	2.8	21 332	3.1	128	2.0	8 316	2.8
De Witt	113	2.5	1 670	3.0	4 731	4.5	1	26.3	(D)	(D)
Douglas	185	2.2	3 924	3.3	13 301	3.3	5	15.6	(D)	(D)
Du Page	20	6.3	705	9.3	1 451	12.2	3	18.0	(D)	(D)
Edgar	227	1.9	5 315	2.9	13 438	2.8	6	13.2	57	25.9
Edwards	153	1.9	4 971	2.2	11 001	2.6	–	–	–	–
Effingham	464	1.6	11 480	1.9	26 537	2.1	6	14.1	27	21.5
Fayette	411	2.4	13 203	2.5	27 616	2.5	2	23.9	(D)	(D)
Ford	107	2.3	2 543	1.9	7 356	1.7	11	7.7	368	3.5
Franklin	203	2.2	5 950	3.6	11 699	4.1	3	26.4	6	25.8
Fulton	530	1.5	14 794	1.8	45 852	1.9	8	12.2	29	24.2
Gallatin	51	3.7	2 105	3.5	4 382	4.6	14	5.6	1 400	1.2
Greene	299	2.0	8 021	2.4	22 987	2.6	7	14.9	66	27.0
Grundy	109	3.1	2 292	3.4	6 004	4.1	6	14.4	55	27.9
Hamilton	118	2.7	3 898	3.7	8 596	4.8	3	21.3	12	23.0
Hancock	515	1.6	14 456	1.8	37 948	1.9	7	11.8	32	13.0
Hardin	105	2.5	5 641	3.5	9 066	4.9	2	24.8	(D)	(D)
Henderson	194	1.7	7 154	1.7	21 152	1.9	6	9.7	68	2.5
Henry	564	1.3	15 513	1.5	51 116	1.6	19	6.8	237	8.2
Iroquois	356	1.5	8 265	1.7	25 004	1.7	51	3.2	3 385	1.7
Jackson	332	1.6	13 731	2.3	28 965	2.2	15	7.8	275	13.9
Jasper	217	2.0	7 280	2.5	16 186	2.9	1	30.5	(D)	(D)
Jefferson	388	1.7	14 113	2.3	28 109	2.7	16	8.0	129	10.3
Jersey	204	2.1	5 524	2.3	15 606	2.6	8	12.4	39	17.3
Jo Daviess	721	1.1	53 837	1.1	166 611	1.2	6	13.6	66	2.6
Johnson	252	1.7	13 005	2.6	23 230	2.9	7	13.2	53	18.8
Kane	230	1.9	8 064	2.3	25 475	2.5	28	5.0	1 625	2.3
Kankakee	196	2.3	4 291	2.7	10 604	3.3	44	3.8	4 188	2.8
Kendall	132	2.2	3 129	3.0	7 393	3.5	7	7.5	(D)	(D)
Knox	491	1.3	15 369	1.4	49 144	1.4	6	14.5	13	16.5
Lake	158	2.2	5 832	5.0	12 715	5.0	18	7.6	897	3.3
La Salle	374	1.6	8 214	2.3	21 666	2.7	93	2.9	8 049	2.6
Lawrence	92	2.9	2 431	3.7	5 684	3.9	10	4.1	834	.4
Lee	260	1.8	6 499	2.1	18 530	1.9	94	2.8	8 949	2.5
Livingston	311	1.6	6 755	2.0	20 955	2.2	7	11.6	575	15.6
Logan	183	2.0	3 477	2.2	10 449	2.0	4	13.7	54	13.6

See footnotes at end of table.

TIPS [UPF] BATCH_869 [ACEN,C_ARLEDGE] 4/12/94 8:44 AM MACHINE: EPCV23 DATA:VOL1_TIPS_APX_33.TIPS;1 * 4/ 8/94 12:56:00 TAPE: NOreel FRAME: 26
TSF:TIPS92-12562648.DAT;1 4/ 8/94 12:56:33 UTF:TIPS93-12562648.DAT;1 4/ 8/94 12:56:33 META:VOL1_TIPS96_APX_33.DAT;3 4/ 8/94 12:57:26

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

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

Geographic area	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)						Vegetables harvested for sale			
	Farms		Acres		Quantity		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
McDonough	379	1.5	9 705	1.9	29 523	2.1	2	17.4	(D)	(D)
McHenry	458	1.5	19 276	2.0	53 351	1.9	81	3.4	9 012	2.5
McLean	321	1.7	7 793	1.8	22 966	1.7	9	9.3	87	16.5
Macon	116	2.5	1 809	3.3	5 522	3.7	12	9.5	130	14.9
Macoupin	446	1.5	10 743	1.7	29 751	2.0	9	10.4	19	14.0
Madison	549	1.4	15 376	1.7	48 906	1.8	36	4.7	1 690	3.9
Marion	313	2.3	10 538	3.2	21 221	3.7	12	10.6	81	29.1
Marshall	178	2.0	6 038	2.7	19 605	2.9	17	6.8	1 684	3.3
Mason	108	2.8	3 321	4.0	8 816	4.7	60	3.0	6 634	2.7
Massac	204	2.5	7 903	3.4	17 902	3.3	5	18.2	68	22.6
Menard	154	1.9	4 222	2.8	13 472	3.7	5	12.2	65	14.3
Mercer	356	1.5	11 357	1.8	36 448	1.8	8	10.3	122	3.1
Monroe	206	2.0	6 495	2.3	16 697	2.8	11	8.7	317	2.5
Montgomery	325	1.7	7 973	2.0	21 315	2.2	–	–	–	–
Morgan	306	1.6	5 949	1.8	18 447	2.2	11	11.9	39	15.1
Moultrie	146	2.4	2 900	3.0	8 574	3.5	4	17.5	20	21.4
Ogle	491	1.4	16 894	1.5	54 041	1.6	86	2.9	6 945	3.2
Peoria	429	1.5	9 605	2.0	28 133	2.4	25	5.5	963	6.2
Perry	228	2.4	9 277	3.5	17 431	4.4	5	14.4	97	18.2
Piatt	76	3.0	1 293	3.5	4 257	3.3	8	11.2	45	14.8
Pike	481	1.6	18 672	1.7	53 027	1.8	5	12.1	70	17.2
Pope	146	1.7	7 242	2.5	11 041	2.4	3	16.7	13	13.6
Pulaski	89	3.0	5 044	4.8	10 099	4.5	9	11.0	192	7.4
Putnam	70	3.7	1 406	5.1	4 145	5.4	5	18.0	31	19.6
Randolph	464	1.4	17 137	1.6	38 798	1.8	5	13.5	8	12.3
Richland	148	2.5	3 745	3.3	8 039	3.8	4	13.2	6	8.6
Rock Island	318	1.5	8 816	2.3	27 088	2.5	11	8.8	48	11.6
St. Clair	269	1.8	6 082	2.4	17 022	2.4	33	5.4	646	4.1
Saline	143	2.6	5 831	3.3	11 017	3.1	7	10.3	33	15.6
Sangamon	278	1.8	6 029	2.2	16 339	2.3	13	8.6	67	10.8
Schuyler	260	2.1	8 124	2.5	21 684	2.8	3	19.3	11	27.5
Scott	135	2.7	3 066	3.1	8 810	4.3	2	31.4	(D)	(D)
Shelby	453	1.9	9 730	2.4	25 895	2.6	5	12.8	31	5.7
Stark	91	2.5	2 183	3.1	6 496	3.4	–	–	–	–
Stephenson	802	1.5	56 101	1.5	174 015	1.5	18	7.8	1 478	9.2
Tazewell	285	1.5	6 306	2.0	19 776	2.0	70	2.8	6 655	1.9
Union	302	1.4	14 747	2.5	25 185	2.3	38	5.2	644	4.0
Vermilion	242	1.7	4 892	3.1	13 723	4.3	47	3.8	1 735	3.6
Wabash	66	2.8	2 414	3.2	5 624	4.9	3	16.4	(D)	(D)
Warren	342	1.5	9 836	1.9	30 121	1.9	3	14.9	21	11.4
Washington	348	1.6	17 398	1.8	49 928	1.9	6	12.4	10	12.0
Wayne	330	1.7	13 317	1.9	26 888	2.3	12	8.3	12	13.6
White	115	3.4	4 179	3.4	8 039	3.6	10	10.6	902	3.6
Whiteside	428	1.3	12 223	1.4	38 568	1.6	40	4.2	5 072	3.1
Will	330	1.9	8 861	2.4	21 491	2.4	39	4.8	3 669	1.9
Williamson	279	1.5	8 922	2.4	14 768	2.8	11	9.3	91	9.9
Winnebago	368	1.8	14 962	2.5	43 084	2.3	37	5.0	1 498	6.1
Woodford	289	1.4	6 732	2.6	20 962	3.2	18	9.0	413	11.7

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

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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 __	77 610	1.1	3 700	28.3	4.6	1.3
Land in farms _____ acres __	27 250 340	.8	274 466	29.3	1.0	.3
Average size of farm _____ acres __	351.1	.4	74.2	28.0	(X)	(X)
Farms by size:						
Less than 10 acres _____	5 026	1.3	598	60.9	10.6	5.9
10 to 49 acres _____	12 191	1.1	1 587	40.1	11.5	4.3
Less than 50 acres _____	17 217	1.1	2 185	39.9	11.3	4.2
50 acres or more _____	60 393	1.1	1 516	35.6	2.4	.9
50 to 99 acres _____	9 114	1.2	868	55.0	8.7	4.4
100 to 179 acres _____	11 125	1.4	266	70.9	2.3	1.7
180 acres or more _____	40 154	1.1	381	48.6	.9	.5
Harvested cropland _____ farms __	69 425	1.1	3 073	31.9	4.2	1.4
acres __	21 868 287	.8	131 353	33.0	.6	.2
Farms by value of sales:						
Less than $1,000 _____	4 134	1.3	1 097	52.6	21.0	8.7
$1,000 to $2,499 _____	5 044	1.2	1 441	43.2	22.2	7.5
Less than $2,500 _____	9 178	1.2	2 537	39.2	21.7	6.6
$2,500 or more _____	68 432	1.1	1 163	34.5	1.7	.6
$2,500 to $9,999 _____	12 511	1.1	631	53.2	4.8	2.4
$10,000 or more _____	55 921	1.2	532	41.4	.9	.4
Market value of agricultural products sold ____ $1,000 __	7 336 864	.7	37 839	39.0	.5	.2
Farms by standard industrial classification:						
Crops (01) _____	54 697	1.1	1 891	34.5	3.3	1.1
Livestock (02) _____	22 913	1.0	1 809	35.3	7.3	2.6
Farms by type of organization:						
Individual or family _____	65 752	1.0	3 131	27.9	4.5	1.3
Partnership or corporation _____	11 358	1.3	270	67.6	2.3	1.5
Other _____	500	2.0	299	98.4	37.4	23.7
Farms by tenure of operator:						
Full owners _____	34 158	1.1	3 051	27.4	8.2	2.2
Part owners and tenants _____	43 452	1.1	650	54.4	1.5	.8
Part owners _____	29 217	1.0	380	79.2	1.3	1.0
Tenants _____	14 235	1.5	269	68.6	1.9	1.3
Operators by place of residence:						
On farm operated _____	55 586	1.0	2 564	32.8	4.4	1.5
Not on farm operated _____	17 643	1.5	836	49.9	4.5	2.2
Not reported _____	4 381	1.1	301	61.9	6.4	3.7
Operators by principal occupation:						
Farming _____	47 875	1.0	553	44.3	1.1	.5
Other _____	29 735	1.2	3 147	32.4	9.6	3.1
Operators by sex:						
Male _____	73 985	1.1	3 566	29.0	4.6	1.4
Female _____	3 625	1.4	134	96.9	3.6	3.3
Operators by race:						
White _____	77 391	1.1	3 401	26.4	4.2	1.2
Black and other races _____	219	2.5	–	(X)	–	(X)
Operators by years on present farm:						
4 years or less _____	7 466	2.1	803	44.7	9.7	3.9
5 years or more _____	58 450	1.0	1 923	36.4	3.2	1.2
Average years on present farm _____	21.3	.3	8.4	35.3	(X)	(X)
Not reported _____	11 694	1.2	975	50.8	7.7	3.8
Average age of operator _____	51.7	.1	47.1	26.5	(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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