

## 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. .	15.2
Land in farms.....acres. .	9.8
Estimated market value of land and buildings <sup>1</sup> .....\$1,000. .	3.1
Market value of agricultural products sold ..\$1,000. .	6.4
Harvested cropland .....acres. .	8.3
Corn for grain or seed .....acres. .	8.2
Wheat for grain .....acres. .	6.0
Livestock and poultry inventory:	
Cattle and calves .....number. .	10.6
Hogs and pigs .....number. .	5.7
Hens and pullets of laying age.....number. .	.4

<sup>1</sup>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)
<b>COMPLETE COUNT ITEM</b>	
Number of farms reporting:	
25 .....	5.9
50 .....	4.1
75 .....	3.2
100 .....	2.7
150 .....	2.0
200 .....	1.6
300 .....	1.1
500 .....	.8
750 .....	.7
1,000 .....	.6
1,500 .....	.5
2,000 .....	.4
<b>SAMPLE COUNT ITEM</b>	
Number of farms reporting:	
25 .....	25.8
50 .....	19.7
75 .....	17.2
100 .....	15.8
150 .....	14.2
200 .....	13.4
300 .....	12.5
500 .....	11.7
750 .....	11.3
1,000 .....	11.1
1,500 .....	10.9
2,000 .....	10.8

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

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

Table E presents the percent standard error for percent change in State totals from 1987 to 1992. The general

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

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

### CENSUS NONSAMPLING ERROR

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

### Census Coverage

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

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

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

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

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

## Mail List Coverage

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

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

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

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

## Respondent and Enumerator Error

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

## Item Nonresponse

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

## Processing Error

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

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

### **Classification Error**

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

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

### **EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE**

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

- Ensuring reasonable relationships between/among data items, values for various sizes of farms, and combinations of commodities.
- Ensuring necessary consistencies are present. There are more than 70 distinct consistency requirements.
- Ensuring geographic, legal, and physical constraints are met.

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

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

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

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

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

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

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



**Table C. Reliability Estimates of State Totals for All Farms: 1992 — 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)
<b>LAND IN FARMS ACCORDING TO USE</b>			<b>TENURE OF OPERATOR</b>		
Total cropland ----- farms ..	69 866	1.2	All operators ----- farms ..	75 079	1.2
Harvested cropland ----- farms ..	21 387 063	.8	Full owners ----- farms ..	25 666 944	.9
1 to 9 acres ----- farms ..	66 549	1.2	Part owners ----- farms ..	38 301	1.3
10 to 19 acres ----- farms ..	18 201 061	.8	Tenants ----- farms ..	7 306 946	1.3
20 to 29 acres ----- farms ..	3 739	1.4	Tenants ----- farms ..	28 364	1.0
30 to 49 acres ----- farms ..	17 787	1.4	Tenants ----- farms ..	15 712 166	.7
50 to 99 acres ----- farms ..	3 658	1.5	Tenants ----- farms ..	8 414	1.8
100 to 199 acres ----- farms ..	49 062	1.5	Tenants ----- farms ..	2 647 832	1.3
200 to 499 acres ----- farms ..	3 113	1.6	<b>OWNED AND RENTED LAND</b>		
500 to 999 acres ----- farms ..	72 237	1.6	Land owned ----- farms ..	67 065	1.2
1,000 acres or more ----- farms ..	5 117	1.6	Owned land in farms ----- farms ..	16 223 328	1.0
1,000 acres or more ----- farms ..	192 970	1.6	landlords ----- farms ..	66 665	1.2
1,000 acres or more ----- farms ..	9 647	1.6	landlords ----- farms ..	14 871 561	1.0
1,000 acres or more ----- farms ..	690 203	1.6	Land rented or leased from others ----- farms ..	36 963	1.2
1,000 acres or more ----- farms ..	14 061	1.7	landlords ----- farms ..	10 914 835	.8
1,000 acres or more ----- farms ..	2 007 547	1.7	landlords ----- farms ..	90 498	1.0
1,000 acres or more ----- farms ..	16 902	1.3	landlords ----- farms ..	36 778	1.2
1,000 acres or more ----- farms ..	5 321 546	1.3	landlords ----- farms ..	10 795 383	.8
1,000 acres or more ----- farms ..	7 204	.6	Land rented or leased to others ----- farms ..	10 751	1.3
1,000 acres or more ----- farms ..	4 913 750	.5	landlords ----- farms ..	1 471 219	1.3
1,000 acres or more ----- farms ..	3 108	—	<b>OPERATOR CHARACTERISTICS</b>		
1,000 acres or more ----- farms ..	4 935 959	—	Operators by place of residence:		
1,000 acres or more ----- farms ..	4 935 959	—	On farm operated ----- farms ..	60 207	1.2
1,000 acres or more ----- farms ..	4 935 959	—	Not on farm operated ----- farms ..	9 720	1.6
1,000 acres or more ----- farms ..	4 935 959	—	Not reported ----- farms ..	5 152	1.1
1,000 acres or more ----- farms ..	4 935 959	—	Operators by principal occupation:		
1,000 acres or more ----- farms ..	4 935 959	—	Farming ----- farms ..	51 021	1.2
1,000 acres or more ----- farms ..	4 935 959	—	Other ----- farms ..	24 058	1.4
1,000 acres or more ----- farms ..	4 935 959	—	Operators by days worked off farm:		
1,000 acres or more ----- farms ..	4 935 959	—	Any ----- farms ..	33 932	1.4
1,000 acres or more ----- farms ..	4 935 959	—	200 days or more ----- farms ..	19 826	1.4
1,000 acres or more ----- farms ..	4 935 959	—	Operators by sex:		
1,000 acres or more ----- farms ..	4 935 959	—	Male ----- farms ..	72 148	1.2
1,000 acres or more ----- farms ..	4 935 959	—	Female ----- farms ..	25 082 377	.9
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	2 931	1.4
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	584 567	1.2
1,000 acres or more ----- farms ..	4 935 959	—	Average age of operator ----- years ..	49.6	1.7
1,000 acres or more ----- farms ..	4 935 959	—	<b>FARMS BY TYPE OF ORGANIZATION</b>		
1,000 acres or more ----- farms ..	4 935 959	—	Individual or family (sole proprietorship) ----- farms ..	66 068	1.3
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	20 436 733	1.0
1,000 acres or more ----- farms ..	4 935 959	—	Partnership ----- farms ..	6 800	1.3
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	3 543 208	.7
1,000 acres or more ----- farms ..	4 935 959	—	Corporation:		
1,000 acres or more ----- farms ..	4 935 959	—	Family held ----- farms ..	1 820	.8
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	1 535 100	.4
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	45	1.4
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	1 775	.8
1,000 acres or more ----- farms ..	4 935 959	—	Other than family held ----- farms ..	162	1.7
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	79 689	.9
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	25	2.5
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	137	1.9
1,000 acres or more ----- farms ..	4 935 959	—	Other—cooperative, estate or trust, institutional, etc. ----- farms ..	229	2.5
1,000 acres or more ----- farms ..	4 935 959	—	landlords ----- farms ..	72 214	2.1
1,000 acres or more ----- farms ..	4 935 959	—	<b>HIRED FARM LABOR</b>		
1,000 acres or more ----- farms ..	4 935 959	—	Hired workers by days worked:		
1,000 acres or more ----- farms ..	4 935 959	—	150 days or more ----- farms ..	10 307	1.8
1,000 acres or more ----- farms ..	4 935 959	—	workers ----- farms ..	19 509	1.3
1,000 acres or more ----- farms ..	4 935 959	—	workers ----- farms ..	25 782	1.5
1,000 acres or more ----- farms ..	4 935 959	—	workers ----- farms ..	84 671	1.4
1,000 acres or more ----- farms ..	4 935 959	—	<b>INJURIES AND DEATHS</b>		
1,000 acres or more ----- farms ..	4 935 959	—	Farm-related injuries:		
1,000 acres or more ----- farms ..	4 935 959	—	Operator and family members ----- farms ..	1 086	1.5
1,000 acres or more ----- farms ..	4 935 959	—	number ----- farms ..	1 226	1.5
1,000 acres or more ----- farms ..	4 935 959	—	Hired workers ----- farms ..	391	1.0
1,000 acres or more ----- farms ..	4 935 959	—	number ----- farms ..	577	.8
1,000 acres or more ----- farms ..	4 935 959	—	Farm-related deaths:		
1,000 acres or more ----- farms ..	4 935 959	—	Operator and family members ----- farms ..	34	3.8
1,000 acres or more ----- farms ..	4 935 959	—	number ----- farms ..	35	3.7
1,000 acres or more ----- farms ..	4 935 959	—	Hired workers ----- farms ..	5	6.7
1,000 acres or more ----- farms ..	4 935 959	—	number ----- farms ..	5	6.7

See footnotes at end of table.

Table C. Reliability Estimates of State Totals for All Farms: 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)
<b>FARMS BY SIZE</b>			<b>LIVESTOCK—Con.</b>		
1 to 9 acres ----- farms ..	3 517	1.4	Cattle and calves sold ----- farms ..	33 852	1.3
----- acres..	13 615	1.5	----- number..	1 388 581	.8
10 to 49 acres ----- farms ..	8 927	1.4	----- \$1,000..	844 268	.6
----- acres..	239 903	1.4	Hogs and pigs inventory ----- farms ..	13 125	1.1
50 to 69 acres ----- farms ..	2 595	1.4	----- number..	4 668 590	.5
----- acres..	150 932	1.6	Hogs and pigs sold ----- farms ..	13 749	1.1
70 to 99 acres ----- farms ..	5 501	1.6	----- number..	9 141 699	.6
----- acres..	447 882	1.5	----- \$1,000..	825 383	.5
100 to 139 acres ----- farms ..	5 385	1.6	Sheep and lambs of all ages inventory ----- farms ..	3 451	1.3
----- acres..	631 691	1.6	----- number..	221 777	1.3
140 to 179 acres ----- farms ..	7 486	1.7	Sheep and lambs sold ----- farms ..	3 482	1.3
----- acres..	1 183 343	1.7	----- number..	255 765	1.2
180 to 219 acres ----- farms ..	4 818	1.7	Horses and ponies inventory ----- farms ..	7 709	1.3
----- acres..	952 621	1.7	----- number..	43 155	1.4
220 to 259 acres ----- farms ..	4 956	1.7	Horses and ponies sold ----- farms ..	1 937	1.4
----- acres..	1 179 265	1.7	----- number..	8 098	1.8
260 to 499 acres ----- farms ..	16 621	1.5	<b>POULTRY</b>		
----- acres..	5 983 663	1.5	Chickens 3 months old or older inventory ----- farms ..	2 310	1.3
500 to 999 acres ----- farms ..	10 497	.9	----- number..	14 324 989	.1
----- acres..	7 157 445	.8	Hens and pullets of laying age ----- farms ..	2 265	1.3
1,000 to 1,999 acres ----- farms ..	3 913	.3	----- number..	12 640 755	.1
----- acres..	5 173 483	.3	Broilers and other meat-type chickens sold ----- farms ..	679	1.5
2,000 acres or more ----- farms ..	863	—	----- number..	36 828 542	.1
----- acres..	2 553 101	—	<b>CROPS HARVESTED</b>		
<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>			Corn for grain or seed ----- farms ..	42 961	1.2
Cash grains (011) ----- farms ..	28 378	1.3	----- acres..	6 123 731	.8
----- acres..	13 368 207	.8	bushels..	669 550 546	.7
Field crops, except cash grains (013) ----- farms ..	5 781	1.4	Corn for silage or green chop ----- farms ..	15 416	1.3
----- acres..	2 024 486	.7	----- tons, green..	527 607	1.1
Vegetables and melons (016) ----- farms ..	744	1.6	----- bushels..	6 380 965	1.1
----- acres..	125 498	1.1	Wheat for grain ----- farms ..	12 753	1.2
Fruits and tree nuts (017) ----- farms ..	402	1.9	----- acres..	2 609 161	.6
----- acres..	27 267	2.3	bushels..	126 255 763	.5
Horticultural specialties (018) ----- farms ..	681	1.2	Barley for grain ----- farms ..	5 216	1.2
----- acres..	59 599	1.5	----- acres..	592 914	.6
General farms, primarily crop (019) ----- farms ..	1 887	1.4	Oats for grain ----- farms ..	42 514 551	.6
----- acres..	473 082	1.1	----- acres..	16 658	1.4
Livestock, except dairy, poultry, and animal specialties (021) ----- farms ..	21 619	1.3	----- bushels..	465 846	1.3
----- acres..	5 138 661	1.0	Sunflower seed ----- farms ..	1 131	1.0
Dairy farms (024) ----- farms ..	11 289	1.5	----- acres..	202 025	.5
----- acres..	3 553 592	1.1	pounds..	278 550 934	.5
Poultry and eggs (025) ----- farms ..	882	.8	Soybeans for beans ----- farms ..	33 581	1.2
----- acres..	166 522	.5	----- acres..	5 078 066	.8
Animal specialties (027) ----- farms ..	1 974	1.4	bushels..	162 137 215	.7
----- acres..	130 495	2.0	Dry edible beans, excluding dry limas ----- farms ..	723	1.0
General farms, primarily livestock and animal specialties (029) ----- farms ..	1 442	1.5	----- acres..	99 979	.7
----- acres..	599 535	1.2	cwt..	1 454 602	.7
<b>LIVESTOCK</b>			Irish potatoes ----- farms ..	490	1.4
Cattle and calves inventory ----- farms ..	34 501	1.3	----- acres..	85 271	.3
----- number..	2 543 373	1.0	Sugar beets for sugar ----- farms ..	18 024 694	.2
Beef cows ----- farms ..	15 101	1.4	----- cwt..	1 501	.9
----- number..	381 869	1.3	----- acres..	371 388	.3
Milk cows ----- farms ..	13 380	1.4	----- tons..	6 700 819	.3
----- number..	609 034	1.0	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ----- farms ..	38 336	1.3
			----- acres..	2 098 145	1.2
			----- tons, dry..	5 082 391	1.1
			Alfalfa hay ----- farms ..	31 631	1.3
			----- acres..	1 342 787	1.2
			----- tons, dry..	3 862 307	1.1
			Vegetables harvested for sale (see text) ----- farms ..	3 461	.9
			----- acres..	234 416	.6
			Land in orchards ----- farms ..	509	1.6
			----- acres..	4 568	1.3

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table 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)
<b>FARMS AND LAND IN FARMS</b>			<b>FARM PRODUCTION EXPENSES<sup>1</sup></b>		
Farms ----- number ..	52 939	1.3	Total farm production expenses ----- farms ..	53 019	1.3
Land in farms ----- acres ..	23 198 828	.8	Average per farm ----- \$1,000 ..	5 108 061	.6
Average size of farm ----- acres ..	438	1.5	----- dollars ..	96 344	1.5
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>			<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)<sup>1</sup></b>		
Total sales (see text) ----- farms ..	52 939	1.3	All farms ----- number ..	53 019	1.3
Average per farm ----- \$1,000 ..	6 397 258	.6	----- \$1,000 ..	1 273 771	.9
----- dollars ..	120 842	1.4	Average per farm ----- dollars ..	24 025	1.6
Farms by value of sales:			Farms with net gains <sup>2</sup> ----- number ..	39 745	1.4
\$10,000 to \$19,999 ----- farms ..	8 212	1.6	----- \$1,000 ..	1 459 068	.8
----- \$1,000 ..	118 461	1.6	Average net gain ----- dollars ..	36 711	1.6
\$20,000 to \$24,999 ----- farms ..	2 975	1.8	Farms with net losses ----- number ..	13 274	2.3
----- \$1,000 ..	66 348	1.8	----- \$1,000 ..	185 297	2.2
\$25,000 to \$39,999 ----- farms ..	6 710	1.9	Average net loss ----- dollars ..	13 959	3.1
----- \$1,000 ..	214 356	1.9	<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>		
\$40,000 to \$49,999 ----- farms ..	3 458	2.0	Government payments ----- farms ..	32 514	1.2
----- \$1,000 ..	154 708	2.0	----- \$1,000 ..	264 424	.7
\$50,000 to \$99,999 ----- farms ..	12 482	1.8	Other farm-related income <sup>1</sup> ----- farms ..	23 697	1.6
----- \$1,000 ..	909 067	1.8	----- \$1,000 ..	106 177	2.5
\$100,000 to \$249,999 ----- farms ..	13 958	.7	Customwork and other agricultural services ----- farms ..	6 583	2.6
----- \$1,000 ..	2 149 380	.6	----- \$1,000 ..	41 840	4.3
\$250,000 to \$499,999 ----- farms ..	3 816	—	Gross cash rent or share payments ----- farms ..	4 711	3.3
----- \$1,000 ..	1 277 792	—	----- \$1,000 ..	37 715	4.6
\$500,000 or more ----- farms ..	1 328	—	Forest products and Christmas trees ----- farms ..	501	10.0
----- \$1,000 ..	1 507 147	—	----- \$1,000 ..	2 208	11.7
Sales by commodity or commodity group:			Other farm-related income sources ----- farms ..	18 295	1.7
Crops, including nursery and greenhouse crops ----- farms ..	42 665	1.2	----- \$1,000 ..	24 413	2.5
----- \$1,000 ..	3 015 241	.6	<b>COMMODITY CREDIT CORPORATION LOANS</b>		
Grains ----- farms ..	40 105	1.2	Total ----- farms ..	11 770	1.1
----- \$1,000 ..	2 420 444	.6	----- \$1,000 ..	395 396	.6
Corn for grain ----- farms ..	30 594	1.2			
----- \$1,000 ..	1 044 722	.7			
Wheat ----- farms ..	11 520	1.1			
----- \$1,000 ..	371 115	.5			
Soybeans ----- farms ..	30 431	1.2			
----- \$1,000 ..	849 344	.7			
Sorghum for grain ----- farms ..	14	7.9			
----- \$1,000 ..	127	13.7			
Barley ----- farms ..	3 868	1.1			
----- \$1,000 ..	70 117	.5			
Oats ----- farms ..	5 725	1.4			
----- \$1,000 ..	13 375	1.2			
Other grains ----- farms ..	2 462	1.0			
----- \$1,000 ..	71 644	.4			
Cotton and cottonseed ----- farms ..	—	—			
----- \$1,000 ..	—	—			
Tobacco ----- farms ..	—	—			
----- \$1,000 ..	—	—			
Hay, silage, and field seeds ----- farms ..	8 917	1.4			
----- \$1,000 ..	72 043	1.2			
Vegetables, sweet corn, and melons ----- farms ..	2 967	.9			
----- \$1,000 ..	78 762	.6			
Fruits, nuts, and berries ----- farms ..	283	2.0			
----- \$1,000 ..	8 755	1.4			
Nursery and greenhouse crops ----- farms ..	590	1.2			
----- \$1,000 ..	106 412	.2			
Other crops ----- farms ..	1 836	.9			
----- \$1,000 ..	328 826	.2			
Livestock, poultry, and their products ----- farms ..	34 194	1.3			
----- \$1,000 ..	3 382 017	.6			
Poultry and poultry products ----- farms ..	1 384	1.0			
----- \$1,000 ..	613 773	(L)			
Dairy products ----- farms ..	13 115	1.4			
----- \$1,000 ..	1 087 654	1.0			
Cattle and calves ----- farms ..	26 124	1.4			
----- \$1,000 ..	816 427	.6			
Hogs and pigs ----- farms ..	11 956	1.1			
----- \$1,000 ..	820 304	.5			
Sheep, lambs, and wool ----- farms ..	1 811	1.5			
----- \$1,000 ..	14 144	1.2			
Other livestock and livestock products (see text) ----- farms ..	1 147	1.6			
----- \$1,000 ..	29 714	1.1			
Value of agricultural products sold directly to individuals for human consumption (see text) ----- farms ..	1 398	1.5			
----- \$1,000 ..	7 737	1.3			

See footnotes at end of table.

**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)
<b>LAND IN FARMS ACCORDING TO USE</b>			<b>FARMS BY TYPE OF ORGANIZATION</b>		
Total cropland ----- farms ..	50 524	1.3	Individual or family (sole proprietorship) ----- farms ..	45 281	1.3
Harvested cropland ----- acres..	20 074 773	.8	Partnership ----- farms ..	18 163 550	.9
Cropland:			Corporation:		
Pasture or grazing only ----- farms ..	14 087	1.4	Family held ----- farms ..	1 678	.7
----- acres..	796 347	1.4	More than 10 stockholders ----- farms ..	1 513 316	.3
Total woodland ----- farms ..	17 726	1.4	10 or less stockholders ----- farms ..	43	1.3
Pastureland and rangeland other than cropland and woodland pastured ----- farms ..	1 291 191	1.3	Other than family held ----- farms ..	1 635	.7
Land in house lots, ponds, roads, wasteland, etc. ----- farms ..	10 466	1.4	More than 10 stockholders ----- farms ..	134	1.5
Irrigated land ----- farms ..	763 239	1.3	10 or less stockholders ----- farms ..	76 151	.8
Harvested cropland irrigated ----- farms ..	35 744	1.3	Other—cooperative, estate or trust, institutional, etc. ----- farms ..	21	2.9
Pasture and other land irrigated ----- farms ..	1 069 625	1.1	----- acres..	113	1.6
----- acres..	1 959	1.0			
----- acres..	364 840	.5			
----- acres..	1 950	1.0			
----- acres..	361 847	.5			
----- acres..	72	3.1			
----- acres..	2 993	3.5			
Land under federal acreage reduction programs:					
Diverted under annual commodity programs ----- farms ..	26 718	1.1			
----- acres..	418 565	.6			
Conservation Reserve or Wetlands Reserve Programs ----- farms ..	8 064	1.2			
----- acres..	612 686	1.2			
<b>VALUE OF LAND AND BUILDINGS <sup>1</sup></b>			<b>HIRED FARM LABOR</b>		
Estimated market value of land and buildings ----- farms ..	53 019	1.3	Hired workers by days worked:		
----- \$1,000..	21 004 715	.9	150 days or more ----- farms ..	9 205	1.8
Average per farm ----- dollars	396 173	1.6	----- workers..	18 342	1.3
Average per acre ----- dollars	907	1.3	Less than 150 days ----- farms ..	21 774	1.5
			----- workers..	77 025	1.4
<b>VALUE OF MACHINERY AND EQUIPMENT <sup>1</sup></b>			<b>INJURIES AND DEATHS</b>		
Estimated market value of all machinery and equipment ----- farms ..	53 019	1.3	Farm-related injuries:		
----- \$1,000..	4 861 044	1.0	Operator and family members ----- farms ..	924	1.6
Average per farm ----- dollars	91 685	1.6	----- number..	1 053	1.6
			Hired workers ----- farms ..	369	.9
			----- number..	550	.7
			Farm-related deaths:		
			Operator and family members ----- farms ..	34	3.8
			----- (D)	(D)	(D)
			Hired workers ----- farms ..	5	6.7
			----- (D)	(D)	(D)
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>			<b>FARMS BY SIZE</b>		
Commercial fertilizer ----- farms ..	45 170	1.3	1 to 9 acres -----	1 561	1.6
----- acres on which used ..	12 372 896	.8	10 to 49 acres -----	2 219	1.6
			50 to 69 acres -----	872	2.0
			70 to 99 acres -----	2 314	1.8
			100 to 139 acres -----	3 109	1.8
			140 to 179 acres -----	5 296	1.8
			180 to 219 acres -----	3 666	1.8
			220 to 259 acres -----	4 109	1.7
			260 to 499 acres -----	14 918	1.5
			500 to 999 acres -----	10 147	.8
			1,000 to 1,999 acres -----	3 871	.3
			2,000 acres or more -----	857	—
<b>TENURE OF OPERATOR</b>			<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>		
All operators ----- farms ..	52 939	1.3	Cash grains (011) -----	23 047	1.3
----- acres..	23 198 828	.8	Field crops, except cash grains (013) -----	2 168	1.3
Full owners ----- farms ..	20 724	1.5	Vegetables and melons (016) -----	459	1.8
----- acres..	5 444 661	1.2	Fruits and tree nuts (017) -----	140	2.5
Part owners ----- farms ..	25 133	1.1	Horticultural specialties (018) -----	473	1.1
----- acres..	15 196 876	.7	General farms, primarily crop (019) -----	742	1.5
Tenants ----- farms ..	7 082	1.9	Livestock, except dairy, poultry, and animal specialties (021) -----	12 732	1.3
----- acres..	2 557 291	1.3	Dairy farms (024) -----	11 206	1.5
			Poultry and eggs (025) -----	635	.5
			Animal specialties (027) -----	351	2.1
			General farms, primarily livestock and animal specialties (029) -----	986	1.3
<b>OWNED AND RENTED LAND</b>			<b>LIVESTOCK</b>		
Land owned ----- farms ..	46 194	1.2	Cattle and calves inventory ----- farms ..	25 911	1.4
----- acres..	13 588 151	.9	----- number..	2 385 557	1.0
Owned land in farms ----- farms ..	45 857	1.2	Beef cows ----- farms ..	9 137	1.5
----- acres..	12 695 563	.9	----- number..	312 002	1.3
Land rented or leased from others ----- farms ..	32 343	1.2	Milk cows ----- farms ..	13 045	1.4
----- landlords..	10 606 620	.7	----- number..	607 964	1.0
----- farms ..	82 978	1.0			
Rented or leased land in farms ----- farms ..	32 215	1.2	Cattle and calves sold ----- farms ..	26 124	1.4
----- acres..	10 503 265	.7	----- number..	1 324 596	.8
Land rented or leased to others ----- farms ..	5 978	1.3	Hogs and pigs inventory ----- farms ..	816 427	.6
----- acres..	995 943	1.3	----- farms ..	11 344	1.1
			----- number..	4 614 652	.5
			Hogs and pigs sold ----- farms ..	11 956	1.1
			----- number..	9 065 914	.5
			----- \$1,000..	820 304	.5
			Sheep and lambs of all ages inventory ----- farms ..	1 746	1.5
			----- number..	161 275	1.4
			Sheep and lambs sold ----- farms ..	1 777	1.5
			----- farms ..	202 791	1.3
			----- number..		
			Horses and ponies inventory ----- farms ..	3 145	1.5
			----- number..	16 086	1.5
			Horses and ponies sold ----- farms ..	688	1.7
			----- farms ..	4 986	2.6
			----- number..		

See footnotes at end of table.



**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..	-11.8	1.4	-9.3	1.6
Land in farms..... acres..	-3.4	1.2	-2.4	1.2
Average size of farm..... acres..	9.6	2.2	7.6	2.3
Estimated market value of land and buildings <sup>1</sup> :				
Average per farm..... dollars..	42.0	2.9	41.3	3.0
Average per acre..... dollars..	30.0	2.3	31.6	2.3
Estimated market value of all machinery and equipment <sup>1</sup> :				
Average per farm..... dollars..	25.3	2.6	23.7	2.7
Farms by size:				
1 to 9 acres.....	-23.8	1.5	-16.7	2.1
10 to 49 acres.....	-5.8	1.6	24.7	2.7
50 to 179 acres.....	-16.0	1.6	-12.0	1.9
180 to 499 acres.....	-14.8	1.6	-15.4	1.7
500 to 999 acres.....	-2.9	1.2	-3.3	1.1
1,000 to 1,999 acres.....	8.1	.6	8.2	.6
2,000 acres or more.....	34.4	-	33.7	-
Total cropland..... farms..	-12.1	1.4	-9.8	1.5
..... acres..	-2.2	1.1	-1.3	1.1
Harvested cropland..... farms..	-13.0	1.4	-10.3	1.5
..... acres..	9.4	1.2	11.2	1.2
Irrigated land..... farms..	-2.4	1.3	-2.0	1.4
..... acres..	4.8	1.0	5.2	.9
Market value of agricultural products sold..... \$1,000..	14.1	1.0	14.6	1.0
Average per farm..... dollars..	29.3	2.3	26.4	2.4
Crops, including nursery and greenhouse crops..... \$1,000..	22.1	1.1	23.0	1.1
Livestock, poultry, and their products..... \$1,000..	7.8	.9	8.1	.9
Farms by value of sales:				
Less than \$2,500.....	-18.4	1.2	(X)	(X)
\$2,500 to \$4,999.....	-17.2	1.7	(X)	(X)
\$5,000 to \$9,999.....	-15.3	1.7	(X)	(X)
\$10,000 to \$24,999.....	-17.7	1.7	-17.7	1.7
\$25,000 to \$49,999.....	-21.7	1.9	-21.7	1.9
\$50,000 to \$99,999.....	-18.9	1.8	-18.9	1.8
\$100,000 to \$249,999.....	8.8	1.0	8.8	1.0
\$250,000 to \$499,999.....	40.5	(L)	40.5	(L)
\$500,000 or more.....	54.4	-	54.4	-
Total farm production expenses <sup>1</sup> ..... \$1,000..	18.5	1.7	19.4	1.8
Average per farm..... dollars..	34.2	2.5	31.3	2.6
Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup> ..... farms..	-11.8	1.4	-9.1	1.6
..... \$1,000..	-1.4	1.3	-9	1.3
Average per farm..... dollars..	11.8	2.3	9.0	2.4
Operators by principal occupation:				
Farming.....	-12.8	1.4	-12.1	1.5
Other.....	-9.4	1.6	6.5	2.3
Operators by days worked off farm:				
Any.....	-14.2	4.4	-9.1	4.8
200 days or more.....	-9.9	4.7	4.3	5.5
Livestock and poultry:				
Cattle and calves inventory..... farms..	-14.2	1.4	-12.5	1.6
..... number..	-5.8	1.2	-5.4	1.2
Beef cows..... farms..	-2.7	1.6	4.7	1.9
..... number..	6.0	1.6	7.8	1.7
Milk cows..... farms..	-23.3	1.4	-21.7	1.5
..... number..	-14.2	1.3	-13.8	1.3
Cattle and calves sold..... farms..	-15.3	1.4	-13.7	1.5
..... number..	-5.8	1.0	-5.0	1.0
Hogs and pigs inventory..... farms..	-18.2	1.3	-17.9	1.3
..... number..	10.2	.9	10.6	.9
Hogs and pigs sold..... farms..	-17.4	1.3	-17.1	1.3
..... number..	13.2	1.0	13.6	1.0
Sheep and lambs inventory..... farms..	-18.8	1.4	-24.5	1.4
..... number..	-8.2	1.6	-10.2	1.7
Chickens 3 months old or older inventory..... farms..	-42.3	1.0	-48.4	1.0
..... number..	18.1	.3	18.5	.3
Broilers and other meat-type chickens sold..... farms..	-32.1	1.3	-30.5	1.5
..... number..	34.6	.3	34.8	.3
Selected crops harvested:				
Corn for grain or seed..... farms..	-16.3	1.4	-13.4	1.5
..... acres..	28.7	1.4	30.3	1.4
..... bushels..	18.0	1.2	19.0	1.2
Wheat for grain..... farms..	-37.0	1.0	-34.5	1.1
..... acres..	6.7	1.0	8.5	1.0
..... bushels..	28.9	1.1	30.4	1.1
Barley for grain..... farms..	-38.0	1.0	-35.5	1.0
..... acres..	-26.6	.7	-25.7	.7
..... bushels..	-5.0	.9	-4.1	.9
Oats for grain..... farms..	-35.9	1.1	-34.7	1.2
..... acres..	-36.3	1.1	-35.4	1.1
..... bushels..	-26.3	1.2	-25.9	1.2
Sunflower seed..... farms..	65.6	2.7	70.5	2.7
..... acres..	145.5	2.5	147.2	2.4
..... pounds..	136.8	2.3	138.5	2.3
Soybeans for beans..... farms..	-7.6	1.5	-6.4	1.5
..... acres..	15.8	1.3	16.2	1.3
..... bushels..	-2.3	1.0	-2.0	1.0
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)..... farms..	-17.6	1.3	-16.1	1.5
..... acres..	-13.3	1.3	-12.4	1.4
..... tons, dry..	-14.2	1.3	-13.7	1.3

<sup>1</sup>Data are based on a sample of farms.

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

[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 <sup>1</sup>		Estimated market value of all machinery and equipment <sup>1</sup>	
	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)
<b>Minnesota</b> ----	<b>75 079</b>	<b>1.2</b>	<b>25 666 944</b>	<b>.9</b>	<b>342</b>	<b>1.5</b>	<b>310 612</b>	<b>1.6</b>	<b>5 239 930</b>	<b>1.0</b>
Aitkin -----	563	1.7	168 073	2.0	299	2.6	116 841	6.4	16 218	7.8
Anoka -----	507	1.0	61 832	1.4	122	1.7	261 063	8.6	29 127	12.3
Becker -----	1 037	1.6	377 693	1.2	364	2.0	187 158	2.8	49 865	4.5
Beltrami -----	647	2.3	224 923	2.6	348	3.5	119 326	5.9	23 903	7.4
Benton -----	865	1.6	183 760	1.4	212	2.1	164 265	4.1	46 970	4.3
Big Stone -----	460	2.1	262 207	1.6	570	2.6	381 017	3.5	40 594	5.3
Blue Earth -----	1 091	1.0	383 373	.7	351	1.2	494 516	2.4	96 779	3.2
Brown -----	1 190	2.0	347 420	1.6	292	2.6	370 307	3.9	86 014	3.7
Carlton -----	509	1.1	113 422	1.2	223	1.6	124 315	10.3	15 793	10.6
Carver -----	901	1.1	165 961	1.0	184	1.5	309 095	5.2	70 059	3.5
Cass -----	595	1.6	200 199	1.7	336	2.4	115 482	6.3	16 754	5.7
Chippewa -----	689	2.2	326 804	1.5	474	2.6	502 486	4.5	65 952	3.6
Chisago -----	778	1.3	138 594	1.5	178	2.0	191 401	6.0	30 431	12.3
Clay -----	875	1.0	566 981	.6	648	1.2	549 240	2.0	91 677	2.5
Clearwater -----	583	2.8	210 897	2.9	362	4.0	127 664	7.5	18 973	7.3
Cook -----	7	2.1	1 249	3.5	178	4.1	148 386	3.9	107	2.7
Cottonwood -----	876	1.1	374 920	.8	428	1.4	498 189	2.9	89 112	3.2
Crow Wing -----	509	1.5	130 683	1.8	257	2.3	117 375	6.5	17 545	10.2
Dakota -----	869	.7	221 193	.6	255	.9	392 653	3.9	61 656	3.4
Dodge -----	740	1.2	241 148	.8	326	1.4	385 734	3.5	57 662	4.7
Douglas -----	956	2.4	260 125	2.2	272	3.3	176 872	4.6	49 546	6.4
Faribault -----	1 016	.8	414 710	.5	408	.9	523 874	2.1	96 880	2.7
Fillmore -----	1 618	1.5	443 496	1.2	274	1.9	239 221	3.4	91 750	5.7
Freeborn -----	1 154	.8	366 534	.5	318	.9	369 715	1.8	97 431	2.7
Goodhue -----	1 540	1.1	379 603	.9	246	1.4	289 478	3.0	102 592	3.5
Grant -----	471	1.2	269 147	.7	571	1.4	427 651	3.8	45 214	5.0
Hennepin -----	683	1.1	79 183	1.3	116	1.7	335 306	5.9	29 775	8.4
Houston -----	974	1.2	272 049	1.2	279	1.7	225 072	5.3	59 336	5.0
Hubbard -----	387	1.1	112 412	1.1	290	1.5	151 620	5.9	13 446	11.9
Isanti -----	680	1.3	131 563	1.2	193	1.7	219 093	10.5	30 655	6.6
Itasca -----	420	1.2	107 810	1.4	257	1.9	121 252	14.4	13 840	15.8
Jackson -----	1 027	1.3	401 039	.9	390	1.6	536 067	2.8	99 019	3.4
Kanabec -----	650	1.4	145 545	1.6	224	2.1	138 965	19.2	21 140	8.4
Kandiyohi -----	1 113	1.1	360 500	.9	324	1.5	316 539	3.9	78 764	3.7
Kittson -----	521	1.0	482 991	.7	927	1.2	539 835	2.8	58 061	5.0
Koochiching -----	189	1.5	68 778	2.3	364	2.7	113 539	9.4	4 976	9.9
Lac qui Parle -----	866	1.7	405 029	1.2	468	2.1	376 701	4.3	67 699	4.6
Lake -----	35	2.3	5 262	2.4	150	3.3	120 802	12.1	589	5.3
Lake of the Woods -----	176	1.8	103 665	2.2	589	2.8	178 764	10.4	8 423	12.1
Le Sueur -----	845	1.3	205 031	1.0	243	1.7	290 789	3.8	55 615	3.8
Lincoln -----	696	1.9	255 453	1.6	367	2.5	196 709	5.2	38 522	4.2
Lyon -----	947	1.5	395 023	1.0	417	1.8	396 665	3.3	83 108	4.2
McLeod -----	1 114	1.4	250 507	1.1	225	1.8	252 569	3.2	76 375	3.8
Mahnomen -----	368	2.6	186 573	2.0	507	3.3	257 235	8.7	25 504	7.4
Marshall -----	1 012	1.2	744 710	.7	736	1.4	403 228	3.2	94 163	3.7
Martin -----	1 123	1.0	412 660	.6	367	1.2	553 307	5.1	105 724	3.1
Meeke -----	1 076	1.3	301 111	1.0	280	1.7	256 178	4.5	72 028	3.7
Mille Lacs -----	739	1.6	142 432	1.6	193	2.2	137 914	7.7	26 703	6.9
Morrison -----	1 807	2.2	422 916	2.1	234	3.1	146 624	6.2	92 754	6.0
Mower -----	1 214	1.1	392 615	.8	323	1.3	364 764	2.4	89 901	2.7
Murray -----	903	1.7	375 628	1.2	416	2.1	390 277	4.2	71 131	3.6
Nicollet -----	786	.8	241 930	.6	308	1.0	397 732	2.6	64 064	2.9
Nobles -----	1 199	1.9	416 570	1.5	347	2.4	381 314	3.4	91 818	3.5
Norman -----	581	.9	457 670	.5	788	1.1	554 188	3.9	65 684	3.4
Olmsted -----	1 270	1.2	305 831	1.0	241	1.5	278 997	3.6	74 918	4.2
Otter Tail -----	2 509	1.4	821 073	1.2	327	1.8	178 893	5.1	136 507	3.6
Pennington -----	480	1.4	280 089	1.2	584	1.8	225 374	6.4	30 712	4.5
Pine -----	979	1.5	263 274	1.5	269	2.1	141 927	6.0	32 317	5.0
Pipestone -----	778	2.4	252 658	2.0	325	3.1	258 135	5.7	46 138	4.8
Polk -----	1 334	1.1	1 042 850	.5	782	1.2	621 500	1.7	166 507	2.2
Pope -----	816	1.5	310 135	1.4	380	2.0	233 426	5.6	57 349	5.2
Ramsey -----	44	.8	2 142	3.9	49	3.9	258 408	4.9	1 855	3.3
Red Lake -----	352	1.5	183 208	1.1	520	1.9	207 302	5.2	21 917	5.7
Redwood -----	1 259	1.2	491 726	.9	391	1.5	474 447	2.9	118 565	3.1
Renville -----	1 302	1.2	600 114	.7	461	1.4	602 238	2.2	148 710	2.6
Rice -----	1 099	1.3	227 519	1.1	207	1.7	262 334	3.2	71 173	5.3
Rock -----	791	2.1	270 332	1.6	342	2.6	389 993	3.9	61 326	3.8
Roseau -----	891	1.8	536 299	1.2	602	2.2	263 114	7.4	54 148	4.9
St. Louis -----	677	1.5	153 188	1.6	226	2.1	109 873	6.1	21 201	7.1
Scott -----	838	1.8	131 753	1.8	157	2.5	321 422	7.1	54 238	5.9
Sherburne -----	530	1.1	117 701	1.0	222	1.5	300 661	4.0	31 968	5.8
Sibley -----	1 059	1.1	311 849	.8	294	1.3	365 241	3.1	89 552	3.4
Stearns -----	2 972	1.4	643 762	1.4	217	2.0	172 956	3.1	195 598	2.7
Steele -----	819	1.1	231 610	.7	283	1.4	345 694	3.2	65 856	5.2
Stevens -----	538	1.2	286 337	.8	532	1.5	412 759	2.7	58 920	4.1
Swift -----	760	2.0	389 897	1.5	513	2.5	411 685	5.5	70 956	5.2
Todd -----	1 768	2.5	395 071	2.5	223	3.5	120 996	7.6	77 135	5.3
Traverse -----	385	1.0	310 184	.7	806	1.2	636 565	2.8	58 793	6.0
Wabasha -----	928	1.6	245 686	1.3	265	2.1	244 270	4.6	61 520	4.9
Wadena -----	602	2.4	171 412	2.7	285	3.6	129 704	7.9	26 278	13.1
Waseca -----	759	1.1	237 239	.8	313	1.4	406 337	3.1	56 736	3.5
Washington -----	647	.8	100 774	1.3	156	1.5	378 344	4.5	34 507	3.1
Watsonwan -----	663	1.3	249 731	1.0	377	1.6	434 428	3.8	56 536	4.9
Wilkin -----	456	.9	420 778	.4	923	1.0	742 872	6.0	60 889	3.4

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	Farms		Land in farms		Average size of farm		Average market value of land and buildings per farm <sup>1</sup>		Estimated market value of all machinery and equipment <sup>1</sup>	
	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)
Winona -----	1 090	1.0	290 627	.9	267	1.4	246 835	3.4	90 609	4.1
Wright -----	1 584	1.6	272 540	1.4	172	2.1	231 837	3.6	77 724	4.4
Yellow Medicine -----	923	1.5	407 953	1.0	442	1.8	410 917	3.9	81 355	3.8
	Average market value of all machinery and equipment per farm <sup>1</sup>		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses <sup>1</sup>			
							Total farm production expenses			
							Farms		Value	
Geographic area	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)
<b>Minnesota</b> ----	<b>69 859</b>	<b>1.6</b>	<b>6 477 004</b>	<b>.6</b>	<b>86 269</b>	<b>1.4</b>	<b>75 075</b>	<b>1.3</b>	<b>5 244 708</b>	<b>.6</b>
Aitkin -----	28 807	8.0	15 810	1.8	28 082	2.5	563	1.8	13 435	3.6
Anoka -----	57 336	12.4	20 699	.7	40 826	1.2	508	1.0	18 965	3.1
Becker -----	48 039	4.7	75 490	.8	72 797	1.8	1 038	1.6	60 597	1.6
Beltrami -----	36 944	7.8	17 001	2.2	26 277	3.2	647	2.3	13 786	5.4
Benton -----	54 301	4.6	77 942	.7	90 107	1.7	865	1.7	59 436	1.8
Big Stone -----	88 248	5.6	44 652	1.2	97 069	2.4	460	1.9	34 957	2.3
Blue Earth -----	88 625	3.4	126 088	.5	115 571	1.1	1 092	1.1	105 105	1.3
Brown -----	72 280	4.3	121 406	1.1	102 022	2.3	1 190	2.2	95 914	1.7
Carlton -----	30 966	10.7	9 441	1.4	18 548	1.7	510	1.3	7 798	5.2
Carver -----	77 757	3.7	64 337	.8	71 406	1.4	901	1.1	46 966	1.8
Cass -----	28 110	5.9	16 728	1.4	28 114	2.1	596	1.6	13 873	4.3
Chippewa -----	95 721	4.2	82 398	1.0	119 591	2.4	689	2.3	67 778	1.9
Chisago -----	39 115	12.3	23 717	1.3	30 484	1.8	778	1.2	20 278	4.4
Clay -----	104 893	2.7	120 402	.4	137 602	1.1	874	1.0	96 592	1.2
Cleanwater -----	32 544	7.8	25 258	1.7	43 324	3.3	583	2.8	19 493	4.9
Cook -----	15 286	3.4	44	4.9	6 319	5.3	7	2.1	33	3.0
Cottonwood -----	101 726	3.4	127 191	.5	145 195	1.2	876	1.1	105 650	1.3
Crow Wing -----	34 538	10.3	13 995	1.7	27 495	2.2	508	1.7	10 543	8.1
Dakota -----	70 869	3.5	80 253	.4	92 351	.8	870	1.0	64 125	1.4
Dodge -----	78 027	4.8	74 067	.6	100 090	1.3	739	1.1	63 025	2.0
Douglas -----	52 209	6.9	50 034	1.9	52 336	3.0	957	2.5	39 819	3.2
Faribault -----	95 354	2.8	119 933	.4	118 044	.9	1 016	.9	97 484	1.1
Fillmore -----	56 706	6.0	116 654	.9	72 098	1.7	1 618	1.6	92 220	2.9
Freeborn -----	84 945	2.9	113 108	.4	98 014	.9	1 154	1.0	96 813	1.1
Goodhue -----	66 618	3.8	123 088	.6	79 927	1.3	1 540	1.4	97 659	1.8
Grant -----	97 655	5.3	52 067	.6	110 546	1.4	471	1.5	42 796	1.4
Hennepin -----	43 594	8.5	37 950	.6	55 564	1.3	683	1.1	30 469	2.1
Houston -----	60 982	5.1	80 364	.8	82 510	1.5	973	1.3	65 178	1.8
Hubbard -----	34 565	11.9	15 377	.7	39 734	1.3	389	1.2	12 780	5.3
Isanti -----	45 147	6.7	19 670	1.2	28 926	1.8	679	1.3	18 188	4.4
Itasca -----	32 875	15.9	6 324	1.5	15 057	1.9	421	1.5	4 273	5.6
Jackson -----	96 322	3.7	126 962	.6	123 624	1.5	1 028	1.4	104 707	1.1
Kanabec -----	32 574	8.5	18 874	1.4	29 038	2.0	649	1.5	14 687	4.0
Kandiyohi -----	70 767	3.9	186 168	.3	167 267	1.2	1 113	1.2	157 855	1.0
Kittson -----	111 228	5.1	61 600	.5	118 234	1.1	522	1.2	49 065	2.4
Koochiching -----	26 330	10.1	3 505	2.6	18 546	3.0	189	2.1	2 914	12.9
Lac qui Parle -----	78 085	4.8	74 059	.9	85 519	1.9	867	1.4	58 915	1.8
Lake -----	16 824	7.5	114	4.5	3 269	5.1	35	5.4	190	6.3
Lake of the Woods -----	47 587	12.2	5 585	2.8	31 735	3.3	177	1.7	5 680	11.0
Le Sueur -----	65 894	4.0	65 365	.7	77 355	1.5	844	1.1	55 443	2.3
Lincoln -----	55 427	4.7	50 732	1.1	72 892	2.2	695	2.2	43 131	2.8
Lyon -----	87 759	4.4	110 272	.8	116 443	1.7	947	1.3	88 246	1.9
McLeod -----	68 559	4.1	74 218	1.0	66 623	1.7	1 114	1.5	58 464	2.3
Mahnomen -----	69 305	7.9	21 504	1.9	58 435	3.2	368	2.9	19 069	4.3
Marshall -----	93 046	3.8	100 458	.5	99 267	1.3	1 012	.9	80 096	1.7
Martin -----	94 990	3.4	141 090	.4	125 636	1.1	1 122	1.3	117 322	1.4
Meeker -----	67 379	4.2	99 790	.6	92 742	1.5	1 075	2.0	84 978	1.3
Mille Lacs -----	36 183	7.2	27 998	1.5	37 886	2.2	738	1.8	21 482	4.4
Morrison -----	51 359	6.4	122 262	1.3	67 660	2.6	1 806	2.3	100 327	2.2
Mower -----	74 053	3.1	114 032	.6	93 931	1.2	1 214	1.3	94 532	1.3
Murray -----	78 771	4.1	98 301	.9	108 861	2.0	903	1.9	78 489	1.8
Nicollet -----	81 506	3.0	109 225	.3	138 964	.9	786	.9	88 902	1.1
Nobles -----	76 643	4.1	124 999	1.0	104 253	2.2	1 198	2.1	98 878	2.1
Norman -----	113 053	3.6	77 944	.4	134 154	1.0	581	1.2	59 675	1.3
Olmsted -----	58 991	4.4	94 390	.7	74 323	1.4	1 270	1.2	83 144	1.7
Otter Tail -----	54 559	3.8	170 725	.8	68 045	1.6	2 509	1.3	133 084	1.4
Pennington -----	63 982	4.6	29 355	1.0	61 157	1.7	480	1.2	22 804	2.1
Pine -----	33 044	5.2	40 883	1.1	41 760	1.8	978	1.3	33 109	3.2
Pipestone -----	59 304	5.4	58 664	1.6	75 404	2.9	778	2.6	47 829	2.7
Polk -----	124 911	2.5	196 764	.3	147 499	1.1	1 333	1.1	157 329	.8
Pope -----	70 280	5.5	58 267	1.0	71 406	1.8	816	1.7	46 808	2.5
Ramsey -----	42 155	5.0	5 356	.6	121 736	1.0	44	3.8	4 005	.9
Red Lake -----	62 263	5.9	23 988	.9	68 149	1.8	352	1.5	18 784	5.9
Redwood -----	94 100	3.4	153 771	.6	122 137	1.4	1 260	1.5	125 615	1.7

See footnotes at end of table.

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

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

Geographic area	Average market value of all machinery and equipment per farm <sup>1</sup>		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses <sup>1</sup>			
	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)	Total farm production expenses			
							Farms		Value	
							Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Renville .....	114 217	2.9	188 783	.5	144 994	1.3	1 302	1.4	152 981	1.1
Rice .....	65 236	5.6	88 397	.7	80 434	1.5	1 099	1.5	76 350	2.0
Rock .....	77 529	4.5	90 526	1.0	114 445	2.3	791	2.3	75 048	1.9
Roseau .....	60 772	5.3	54 084	1.0	60 701	2.1	891	2.0	43 945	2.7
St. Louis .....	31 362	7.2	13 317	1.1	19 670	1.8	676	1.6	12 863	4.3
Scott .....	64 801	6.1	44 499	1.3	53 101	2.2	837	1.6	35 923	3.0
Sherburne .....	60 204	5.9	40 025	.5	75 518	1.2	531	1.1	31 472	1.9
Sibley .....	84 563	3.6	132 112	.5	124 752	1.2	1 059	1.2	108 906	1.1
Stearns .....	65 791	3.1	268 983	.9	90 506	1.7	2 973	1.5	205 419	1.4
Steele .....	81 103	5.5	74 058	.6	90 425	1.3	819	1.6	59 764	2.4
Stevens .....	109 516	4.3	78 932	.5	146 714	1.3	538	1.1	64 743	1.5
Swift .....	93 363	5.7	84 171	1.0	110 751	2.3	760	2.2	71 004	2.1
Todd .....	43 653	5.9	95 654	1.9	54 103	3.1	1 767	2.5	74 320	2.3
Traverse .....	152 708	6.2	60 200	.5	156 365	1.1	385	1.2	45 476	2.5
Wabasha .....	66 294	5.2	70 839	1.0	76 335	1.9	928	1.7	56 237	2.7
Wadena .....	43 723	13.4	38 036	1.5	63 183	2.8	601	2.5	30 683	3.3
Waseca .....	74 751	3.7	68 006	.6	89 600	1.3	759	1.3	55 791	1.9
Washington .....	54 086	3.5	48 147	.4	74 415	.9	646	1.1	37 271	1.7
Watonwan .....	85 274	5.2	75 416	.7	113 749	1.4	663	1.8	63 037	2.9
Wilkin .....	133 823	3.6	76 755	.4	168 322	1.0	455	1.2	58 993	1.9
Winona .....	83 051	4.2	92 504	.7	84 866	1.2	1 091	1.2	74 359	1.8
Wright .....	49 099	4.6	81 081	1.1	51 187	1.9	1 583	1.4	62 761	1.8
Yellow Medicine .....	88 142	4.2	93 769	.8	101 592	1.7	923	1.7	75 781	1.8

Farm production expenses<sup>1</sup>—Con.

Geographic area	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
<b>Minnesota</b> .....	<b>26 925</b>	<b>1.6</b>	<b>607 096</b>	<b>.8</b>	<b>41 271</b>	<b>1.4</b>	<b>919 271</b>	<b>.6</b>	<b>57 613</b>	<b>1.3</b>	<b>272 840</b>	<b>.8</b>
Aitkin .....	207	13.0	1 196	5.9	328	8.7	4 889	4.5	237	12.6	121	17.2
Anoka .....	64	27.0	794	6.1	197	12.8	4 326	3.8	351	6.1	1 205	4.2
Becker .....	407	9.4	6 096	6.4	640	5.0	16 361	3.0	664	5.1	2 026	2.5
Beltrami .....	231	13.4	1 220	14.2	410	7.4	2 956	12.3	287	9.8	388	9.9
Benton .....	378	9.4	14 751	1.1	566	5.8	14 359	5.2	663	4.0	1 701	6.2
Big Stone .....	127	12.9	2 299	12.6	179	10.8	4 048	5.3	403	3.0	2 259	4.1
Blue Earth .....	392	8.8	14 682	3.3	462	7.4	14 847	1.6	991	2.1	5 978	2.1
Brown .....	517	7.1	14 065	4.5	639	5.1	17 646	2.6	1 059	2.6	4 879	4.3
Carlton .....	221	11.0	684	19.6	411	5.1	1 894	11.2	144	17.3	97	14.6
Carver .....	331	8.7	4 223	9.3	579	4.6	8 232	3.4	732	3.2	2 115	3.3
Cass .....	261	11.7	1 993	4.0	447	5.7	3 807	8.0	239	10.7	230	9.8
Chippewa .....	220	12.6	3 361	16.0	249	11.3	3 942	6.5	623	3.3	5 152	2.9
Chisago .....	225	11.9	969	16.3	358	8.6	2 086	8.0	533	4.6	1 074	8.6
Clay .....	195	12.0	5 199	5.5	287	8.8	7 719	2.7	700	3.5	6 036	1.9
Clearwater .....	148	20.6	2 531	18.4	268	12.3	6 134	2.8	284	12.2	406	18.8
Cook .....	3	4.8	3	5.2	7	2.1	(D)	(D)	1	—	(D)	(D)
Cottonwood .....	350	7.5	25 496	2.3	459	6.1	15 814	2.6	784	2.1	5 743	3.7
Crow Wing .....	136	19.6	839	16.8	304	8.8	2 710	9.9	257	11.2	291	11.6
Dakota .....	275	10.3	7 814	3.5	405	7.2	7 332	4.1	645	3.2	4 410	1.6
Dodge .....	271	9.2	4 694	7.1	408	6.6	13 419	4.0	594	3.9	3 727	4.0
Douglas .....	364	10.5	3 642	11.2	574	6.1	7 899	5.2	734	4.6	1 582	4.8
Faribault .....	245	8.8	7 040	4.4	365	7.0	8 604	2.7	906	1.7	7 009	1.9
Fillmore .....	721	6.6	10 187	7.1	1 154	3.2	18 396	4.6	1 265	2.9	4 698	3.5
Freeborn .....	401	8.1	7 326	3.9	531	6.3	13 329	2.8	933	2.7	6 322	2.3
Goodhue .....	676	6.3	8 565	8.9	1 021	3.9	18 164	3.9	1 209	3.1	4 774	3.2
Grant .....	126	17.1	5 126	4.8	175	13.1	3 056	5.1	401	4.2	2 728	3.6
Hennepin .....	148	15.2	1 096	11.1	260	10.8	2 501	7.4	440	5.8	2 791	4.5
Houston .....	451	7.8	19 005	3.5	709	4.8	9 985	3.6	681	4.1	2 138	4.9
Hubbard .....	137	15.2	744	14.3	230	8.2	1 586	15.9	180	10.3	686	4.0
Isanti .....	237	13.3	1 088	11.0	297	11.4	2 862	9.9	493	6.5	1 161	6.7
Itasca .....	133	17.0	375	12.9	256	9.5	615	14.2	148	16.0	77	18.6
Jackson .....	365	6.5	15 467	4.6	482	6.0	12 820	3.2	898	2.4	6 053	3.5
Kanabec .....	263	10.8	1 207	8.8	412	7.1	2 944	9.2	367	7.6	499	9.0
Kandiyohi .....	409	7.9	31 381	1.6	603	5.6	48 510	1.5	846	3.4	4 658	4.4
Kittson .....	73	21.3	905	8.2	108	17.2	480	8.9	405	5.0	3 407	4.8
Koochiching .....	57	25.3	190	19.5	132	9.0	464	18.1	73	23.0	73	33.8
Lac qui Parle .....	332	10.1	7 106	4.2	423	7.6	7 509	5.2	742	2.9	4 094	3.4
Lake .....	6	11.7	5	13.3	21	7.2	14	7.3	6	15.0	(D)	(D)
Lake of the Woods .....	43	34.2	94	9.8	86	21.8	187	31.7	127	13.7	265	8.9
Le Sueur .....	308	9.6	8 737	4.0	509	5.9	8 274	4.9	672	3.4	2 518	4.2
Lincoln .....	293	11.9	7 709	7.1	404	7.8	6 965	4.0	566	5.2	2 582	6.3
Lyon .....	447	7.3	18 401	3.5	558	6.3	12 939	5.1	841	2.8	5 344	5.4
McLeod .....	441	8.0	4 948	13.4	630	5.4	8 642	9.5	963	2.9	3 155	3.7
Mahnomen .....	79	23.1	764	23.5	208	9.3	1 252	10.8	265	7.5	1 108	9.5

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 <sup>1</sup> —Con.											
	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Marshall	168	16.7	2 229	38.0	275	12.4	2 026	20.5	765	4.1	5 351	3.0
Martin	419	7.8	13 445	4.6	514	6.5	17 925	1.7	983	2.5	6 871	2.7
Meeker	380	9.5	8 359	3.9	570	6.5	26 267	2.4	885	3.5	3 229	4.0
Mille Lacs	211	13.1	2 576	4.5	410	7.5	4 409	7.4	496	6.5	789	9.1
Morrison	777	6.5	12 682	7.7	1 290	3.4	39 402	1.9	1 304	3.8	2 029	5.1
Mower	386	8.1	7 787	5.0	567	6.6	14 471	3.5	1 030	3.2	6 077	2.1
Murray	430	8.9	15 909	4.3	549	6.5	9 792	6.5	743	3.6	5 309	4.7
Nicollet	359	7.0	11 240	5.4	406	6.7	23 279	1.6	728	2.5	3 606	2.6
Nobles	452	7.5	17 179	6.4	657	5.0	17 501	4.3	1 050	3.1	5 709	3.0
Norman	90	16.0	684	14.9	200	14.1	1 512	22.3	473	3.1	3 693	2.0
Olmsted	487	7.2	11 424	5.2	776	4.7	15 377	3.6	930	3.4	3 975	4.2
Otter Tail	987	5.9	13 778	7.4	1 657	3.0	33 635	2.3	1 910	2.9	5 246	4.5
Pennington	127	19.4	724	10.7	219	12.8	1 070	18.9	303	8.1	1 229	6.9
Pine	342	9.8	2 199	14.4	706	4.9	9 806	3.0	619	6.1	839	7.5
Pipestone	440	7.1	8 255	6.5	551	6.2	8 837	5.2	560	5.6	2 747	5.8
Polk	127	14.2	2 066	3.8	323	9.5	2 501	6.2	1 112	2.8	11 897	1.3
Pope	306	11.3	4 304	7.0	479	6.2	6 837	4.3	667	4.3	2 851	5.1
Ramsey	4	13.8	41	13.5	5	12.4	(D)	(D)	31	4.3	429	1.3
Red Lake	133	14.9	1 280	16.4	185	11.1	1 886	14.8	236	6.7	1 011	5.2
Redwood	417	8.1	26 922	6.7	598	6.7	17 395	4.6	1 138	2.7	6 940	2.9
Renville	375	7.8	11 992	4.0	457	6.2	18 726	2.3	1 178	2.3	9 136	1.6
Rice	477	7.8	7 621	6.1	706	4.9	20 637	3.0	868	3.8	3 020	2.7
Rock	369	8.6	19 470	2.6	526	6.9	13 999	3.8	676	4.0	3 900	3.7
Roseau	205	14.2	2 188	6.7	294	10.8	6 409	3.6	544	6.4	1 889	6.0
St. Louis	177	15.6	735	15.4	419	6.5	3 553	6.2	169	14.2	225	13.3
Scott	291	10.5	5 595	4.1	465	6.9	4 731	4.2	590	4.8	1 597	5.2
Sherburne	188	11.8	2 961	8.0	256	9.8	6 971	3.5	347	6.0	1 615	3.0
Sibley	364	7.8	12 521	3.2	584	4.7	34 547	1.2	899	3.0	3 954	3.2
Stearns	1 426	4.4	27 764	3.7	2 195	2.4	70 855	1.4	2 460	2.2	6 000	2.5
Steele	302	9.9	4 196	4.2	447	6.3	10 536	3.3	689	3.7	3 637	2.7
Stevens	188	8.7	13 695	2.5	239	7.9	8 920	2.4	477	3.1	3 264	3.2
Swift	185	11.6	5 391	5.6	284	9.9	9 460	2.1	714	2.8	5 071	3.9
Todd	792	6.6	7 334	7.1	1 296	3.7	24 248	2.6	1 341	4.1	2 177	4.1
Traverse	86	19.4	4 181	15.4	128	14.6	2 451	3.4	348	4.5	3 289	3.8
Wabasha	369	9.3	5 231	7.2	637	5.2	10 450	7.2	754	3.9	2 712	4.9
Wadena	202	14.5	3 383	6.0	432	6.1	11 514	3.5	403	7.5	848	16.6
Waseca	284	10.0	3 072	10.8	372	7.7	6 564	4.5	674	2.7	3 832	3.4
Washington	176	12.7	1 187	7.6	313	8.0	1 634	8.0	380	5.8	1 666	4.9
Watsonwan	260	9.1	9 414	8.6	263	8.3	7 997	6.9	588	3.6	3 692	5.0
Wilkin	67	26.6	555	18.9	85	21.9	1 636	9.2	361	6.5	4 354	2.9
Winona	518	7.1	7 139	8.7	846	3.2	16 515	3.4	899	3.0	3 042	3.3
Wright	562	6.9	5 239	10.5	904	3.8	12 935	2.9	1 144	3.6	2 716	4.0
Yellow Medicine	306	11.6	9 131	6.7	435	8.4	9 494	3.8	795	3.5	5 818	3.2

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
<b>Minnesota</b>	<b>54 458</b>	<b>1.3</b>	<b>405 097</b>	<b>.9</b>	<b>51 053</b>	<b>1.4</b>	<b>301 155</b>	<b>.8</b>	<b>72 449</b>	<b>1.3</b>	<b>298 913</b>	<b>.8</b>
Aitkin	250	13.0	397	9.9	80	23.3	137	6.4	527	4.2	829	6.0
Anoka	318	7.8	1 366	10.3	287	7.3	554	11.7	488	2.5	1 247	3.8
Becker	584	5.8	3 078	2.8	408	8.0	2 212	2.7	1 009	1.9	3 118	2.6
Beltrami	327	8.9	1 176	9.9	131	16.7	346	17.7	597	3.6	1 145	8.9
Benton	645	4.3	3 150	7.7	588	4.4	1 437	8.8	838	2.0	2 160	8.4
Big Stone	373	3.6	3 427	5.2	381	3.8	3 396	3.3	451	2.3	2 224	3.6
Blue Earth	933	3.0	7 363	3.3	915	2.8	6 137	3.1	1 069	1.5	6 175	2.2
Brown	997	3.1	6 508	4.0	978	3.4	5 048	4.6	1 169	2.4	5 562	3.2
Carlton	189	13.8	295	36.4	40	29.2	60	53.4	475	3.5	534	8.1
Carver	610	4.9	3 705	4.5	669	3.7	2 465	3.9	852	1.9	2 792	2.5
Cass	272	10.5	660	10.0	145	16.4	210	10.0	570	2.7	856	7.5
Chippewa	589	3.7	7 129	3.0	567	4.5	6 622	2.8	687	2.3	4 416	2.3
Chisago	492	5.2	1 742	8.6	455	6.1	1 699	8.6	722	2.5	1 299	7.4
Clay	695	3.8	9 931	2.6	641	4.0	8 655	2.1	831	2.3	5 119	1.7
Clearwater	307	10.2	1 038	13.4	241	14.9	548	14.9	567	3.1	1 197	6.3
Cook	3	4.8	(Z)	6.0	1	—	(D)	(D)	7	2.1	5	3.1
Cottonwood	730	2.9	6 926	4.2	747	2.8	6 187	5.0	854	1.7	4 992	2.4
Crow Wing	290	10.7	501	15.4	216	12.8	218	26.8	498	2.4	714	7.6
Dakota	637	3.7	4 902	7.1	608	3.9	3 670	2.7	844	1.6	3 499	1.9
Dodge	535	4.6	5 032	4.7	545	4.7	3 898	4.0	730	1.7	3 150	2.0
Douglas	575	6.3	2 191	5.9	604	6.3	1 801	9.6	922	2.7	2 436	3.3
Faribault	858	2.2	10 339	2.4	838	2.7	6 921	2.9	984	1.3	6 566	1.9
Fillmore	1 128	3.7	6 679	3.7	1 164	3.8	4 887	3.8	1 532	2.3	4 621	3.2
Freeborn	905	3.2	9 380	3.0	888	3.3	7 371	2.7	1 107	1.7	6 270	1.9

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 <sup>1</sup> —Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Goodhue	1 055	3.8	6 637	4.6	1 058	3.9	4 867	3.5	1 440	2.1	5 068	2.9
Grant	378	4.6	4 464	2.8	402	4.4	3 662	3.9	455	2.6	2 570	3.3
Hennepin	382	6.8	1 449	12.9	333	7.6	1 060	8.6	656	1.9	1 855	2.0
Houston	702	4.8	3 274	6.5	643	5.0	1 718	5.5	955	1.7	2 741	4.3
Hubbard	129	13.2	1 181	9.0	83	20.2	669	2.9	350	3.1	1 193	4.1
Isanti	489	6.3	1 903	5.5	422	7.6	1 118	5.9	662	1.9	1 246	5.4
Itasca	143	17.0	131	17.8	70	26.9	30	22.4	400	2.7	450	7.9
Jackson	885	2.7	7 867	3.5	801	2.8	5 557	2.8	1 016	1.6	6 093	3.1
Kanabec	389	7.3	990	9.3	300	8.4	491	11.6	623	2.6	838	5.9
Kandiyohi	737	4.4	6 825	3.6	755	4.2	5 173	3.8	1 060	1.7	7 653	1.6
Kittson	445	3.1	7 198	6.1	394	3.7	5 165	3.8	508	1.6	3 833	2.1
Koochiching	94	14.5	179	12.7	51	25.0	63	25.8	189	2.1	309	18.9
Lac qui Parle	655	4.5	5 622	7.8	670	4.3	4 252	4.7	854	1.8	3 821	2.9
Lake	8	13.1	3	18.0	4	16.7	(D)	(D)	33	5.6	21	5.8
Lake of the Woods	126	13.8	881	16.2	99	15.7	421	15.8	157	8.0	573	11.2
Le Sueur	614	4.2	3 630	6.0	600	4.0	3 038	4.3	828	1.5	3 147	4.1
Lincoln	485	6.6	2 923	7.0	571	4.5	2 553	5.9	669	2.6	2 434	4.3
Lyon	746	3.4	6 265	3.6	720	3.6	5 331	3.7	929	1.7	4 997	2.0
McLeod	943	3.2	5 057	4.0	893	3.7	4 062	4.7	1 111	1.5	4 045	9.7
Mahnomen	275	6.5	2 402	9.0	237	8.1	1 474	10.6	367	2.9	1 501	5.7
Marshall	870	2.9	11 450	2.3	762	4.2	7 150	2.6	996	1.2	6 860	3.3
Martin	931	2.8	9 811	4.2	941	2.8	6 887	4.4	1 071	2.1	6 590	2.8
Meeker	756	4.8	5 281	4.5	754	4.7	3 643	3.9	1 024	2.4	3 894	2.7
Mille Lacs	492	6.3	1 431	8.5	448	6.5	805	10.8	724	2.3	1 048	5.2
Morrison	1 273	4.3	3 788	5.0	1 138	4.5	2 171	4.6	1 700	2.7	3 817	4.7
Mower	965	3.1	8 033	2.9	967	3.6	6 670	3.0	1 168	2.0	5 879	2.3
Murray	744	4.2	5 896	3.1	679	5.1	4 741	4.3	816	3.3	4 649	3.1
Nicollet	671	2.8	5 069	6.0	616	3.9	4 236	3.8	785	.9	4 268	2.3
Nobles	956	3.3	7 207	5.7	989	3.1	5 540	3.8	1 164	2.4	5 287	2.3
Norman	472	4.2	7 591	1.8	477	5.2	5 681	1.9	578	1.2	4 171	1.5
Olmsted	927	3.4	4 735	4.5	813	3.9	3 877	6.5	1 211	1.7	3 969	3.4
Otter Tail	1 668	3.5	8 316	4.3	1 509	4.0	5 156	4.5	2 405	1.6	6 736	2.7
Pennington	367	6.6	3 630	4.4	308	8.0	1 965	4.1	456	3.5	2 087	4.2
Pine	560	6.6	1 679	8.4	384	9.1	641	10.3	928	2.0	1 548	4.3
Pipestone	528	6.0	3 119	8.1	584	5.8	2 553	6.7	748	3.2	3 039	4.6
Polk	1 108	2.8	18 339	1.6	1 062	2.6	16 631	1.2	1 308	1.4	10 551	1.4
Pope	630	4.3	4 161	5.8	577	5.0	3 298	7.9	800	2.0	3 088	3.9
Ramsey	34	3.9	62	1.7	28	4.2	16	9.7	44	3.8	248	1.4
Red Lake	261	7.1	2 294	7.2	203	10.0	1 231	6.0	352	1.5	1 349	6.2
Redwood	1 102	3.1	10 127	3.9	1 089	3.1	7 005	5.1	1 192	2.6	7 038	3.0
Renville	1 094	2.6	15 585	2.4	1 148	2.7	12 469	2.0	1 294	1.4	8 831	1.9
Rice	671	5.3	3 685	4.3	756	4.9	3 637	4.4	1 042	2.0	4 088	2.9
Rock	618	4.9	3 921	4.3	622	4.9	3 617	4.2	754	3.1	3 343	3.9
Roseau	601	5.6	5 647	6.1	522	6.7	3 356	7.7	857	2.7	3 602	4.4
St. Louis	306	10.4	280	11.1	98	20.6	30	20.5	653	2.4	844	6.5
Scott	507	5.6	2 262	6.7	503	5.5	1 669	7.5	786	2.7	2 195	4.6
Sherburne	329	7.0	2 520	2.9	315	7.0	1 607	3.5	531	1.1	1 439	4.7
Sibley	815	3.7	6 439	4.4	855	3.5	5 315	3.2	1 035	1.6	4 935	2.5
Stearns	2 255	2.7	9 551	3.6	2 087	2.7	5 234	3.1	2 824	1.8	9 244	2.2
Steele	609	4.6	5 228	4.2	591	4.8	3 981	3.7	793	2.2	3 955	2.4
Stevens	466	3.8	5 095	2.7	396	5.2	3 945	4.7	529	1.7	3 625	5.3
Swift	675	3.6	8 850	3.9	639	4.5	5 855	4.4	753	2.3	4 564	3.2
Todd	1 260	4.3	3 674	4.9	1 125	4.9	1 824	6.1	1 696	2.8	3 620	3.5
Traverse	366	2.8	5 041	2.2	370	1.2	4 312	5.3	383	1.2	2 940	4.0
Wabasha	698	4.6	4 051	7.8	659	6.0	2 333	8.4	866	2.5	2 949	4.1
Wadena	361	8.2	1 086	14.7	300	9.7	556	11.1	580	2.9	1 676	4.9
Waseca	650	3.2	5 296	4.5	640	3.8	4 240	3.9	757	1.3	4 091	3.3
Washington	391	5.8	1 894	5.8	325	7.1	1 328	5.1	612	2.5	1 548	4.5
Watsonwan	567	4.0	5 201	3.8	547	4.2	3 786	7.9	656	2.0	3 709	3.0
Wilkin	374	5.8	7 232	3.6	370	6.1	5 658	2.3	454	1.2	3 708	2.3
Winona	780	4.5	3 965	4.5	795	4.6	2 708	3.7	1 069	1.8	3 729	3.1
Wright	1 058	3.8	3 548	4.2	1 056	3.9	2 714	3.7	1 564	1.5	3 659	2.8
Yellow Medicine	770	3.7	7 231	3.1	763	4.0	5 905	3.5	899	2.3	5 191	3.2

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
<b>Minnesota</b>	<b>64 198</b>	<b>1.3</b>	<b>111 364</b>	<b>.9</b>	<b>28 275</b>	<b>1.4</b>	<b>261 649</b>	<b>.6</b>	<b>5 606</b>	<b>2.8</b>	<b>21 620</b>	<b>2.1</b>
Aitkin	432	6.4	415	7.0	129	16.1	765	5.1	28	38.1	64	31.3
Anoka	374	5.5	338	7.4	152	14.4	3 292	1.4	18	38.3	114	9.0
Becker	912	3.1	1 768	3.5	292	9.3	4 352	1.7	90	19.2	592	9.4
Beltrami	466	5.9	556	11.2	118	16.7	719	7.5	27	34.3	103	12.2

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	Farm production expenses <sup>1</sup> —Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Benton	753	3.4	1 667	5.5	387	9.0	3 147	4.8	64	32.8	131	24.3
Big Stone	380	4.1	745	7.3	135	11.7	929	1.7	28	37.7	91	14.0
Blue Earth	915	3.2	1 764	2.8	371	7.5	2 809	5.8	46	15.1	427	2
Brown	1 023	3.6	2 093	3.8	511	7.8	4 129	6.1	91	19.9	275	32.7
Carlton	423	5.4	320	10.2	81	19.9	356	8.5	46	31.9	60	30.6
Carver	796	2.9	1 558	3.7	319	8.8	2 879	7.5	67	28.3	169	8.8
Cass	491	5.0	463	5.4	188	15.2	536	15.5	47	37.5	69	21.8
Chippewa	607	4.0	842	4.1	326	8.5	3 962	3.0	54	21.8	399	12.1
Chisago	575	4.8	544	7.3	225	11.6	2 540	5.7	86	21.3	130	31.2
Clay	723	3.4	1 271	3.1	417	6.3	6 904	3.4	101	17.1	683	3.6
Clearwater	457	6.7	580	5.1	158	19.6	952	4.2	28	53.0	237	6.8
Cook	7	2.1	3	2.7	1	—	(D)	(D)	—	—	—	—
Cottonwood	764	3.1	1 467	2.8	348	8.2	2 648	4.9	53	20.6	258	20.7
Crow Wing	470	3.5	420	9.3	189	14.8	977	7.9	11	85.6	17	69.4
Dakota	733	3.3	1 388	2.5	335	7.1	6 977	1.7	76	22.8	265	6.3
Dodge	652	2.5	1 183	3.0	339	8.1	3 436	7.4	73	18.5	192	8.7
Douglas	811	3.8	1 464	4.6	390	8.9	1 761	8.9	30	40.3	71	48.2
Faribault	885	2.7	1 732	2.6	446	6.1	3 139	4.3	67	20.3	352	18.9
Fillmore	1 459	2.3	2 646	3.9	628	7.5	3 186	5.7	198	16.5	349	22.3
Freeborn	1 012	2.7	1 799	2.7	460	6.8	3 394	2.6	123	18.4	220	21.3
Goodhue	1 373	2.5	2 785	3.2	628	6.5	3 837	3.7	120	20.0	398	10.8
Grant	373	4.9	647	4.6	190	8.8	2 242	3.1	60	19.2	240	9.0
Hennepin	526	4.6	814	3.5	274	9.2	6 088	2.8	36	15.0	281	.8
Houston	887	2.6	1 529	3.6	395	8.3	2 256	5.6	76	27.4	149	27.9
Hubbard	291	6.7	288	8.7	61	26.2	1 414	13.2	11	52.0	238	.8
Isanti	527	5.3	466	9.6	142	20.0	559	20.7	29	40.9	25	31.7
Itasca	314	6.4	207	9.9	125	17.6	331	5.3	20	49.3	4	47.1
Jackson	923	2.4	1 725	2.9	390	7.2	3 545	4.4	81	17.7	490	5.5
Kanabec	529	5.0	585	7.7	203	15.0	992	9.0	20	58.1	9	55.6
Kandiyohi	941	2.8	2 495	2.0	408	7.4	9 646	1.1	67	13.4	530	.7
Kittson	434	4.5	571	4.1	260	8.7	3 431	3.0	44	15.6	328	33.4
Koochiching	143	10.6	123	20.9	31	36.3	129	2.2	14	57.7	14	66.9
Lac qui Parle	718	4.9	1 056	4.2	344	9.1	1 227	3.8	53	13.8	231	2.5
Lake	16	7.7	6	6.4	8	10.1	(D)	(D)	1	43.1	(D)	(D)
Lake of the Woods	141	8.2	141	16.6	87	18.9	340	7.4	23	40.3	55	51.0
Le Sueur	658	4.0	1 176	5.0	343	8.4	1 912	8.3	46	25.8	59	7.6
Lincoln	584	5.3	961	5.6	274	10.9	1 248	4.1	40	34.7	153	46.4
Lyon	758	3.9	1 522	7.5	373	8.3	2 310	6.8	100	13.2	330	2.6
McLeod	965	2.7	1 593	4.1	404	8.5	2 561	3.2	70	23.4	97	18.0
Mahnomen	356	3.5	415	4.9	193	11.6	968	5.9	58	30.5	107	33.7
Marshall	888	3.2	1 172	5.3	451	7.1	4 299	4.3	90	21.2	389	4.9
Martin	1 035	2.3	2 033	2.0	484	6.5	4 297	1.5	68	20.0	133	6.3
Meeker	884	3.9	1 853	3.5	352	9.9	3 708	3.3	77	21.8	172	12.4
Mille Lacs	570	5.4	781	6.0	265	12.3	701	10.2	39	30.8	66	24.5
Morrison	1 590	3.0	2 910	4.5	713	7.5	3 438	6.3	151	19.5	204	14.1
Mower	977	3.6	1 806	3.9	479	7.0	3 262	7.6	125	18.9	342	14.5
Murray	865	2.6	1 444	6.4	331	9.1	1 467	5.4	52	27.7	165	14.7
Nicollet	645	3.5	1 792	2.5	287	10.2	3 915	7.2	58	22.6	223	3.6
Nobles	1 047	3.3	1 600	3.6	407	7.7	2 522	2.8	60	25.1	437	30.0
Norman	529	3.2	755	3.8	287	6.2	4 753	2.1	62	20.4	368	11.3
Olmsted	1 068	3.0	1 937	3.7	469	8.3	4 332	4.9	59	20.5	147	6.5
Otter Tail	2 192	2.2	3 963	2.3	893	6.0	7 404	6.4	211	15.0	943	10.6
Pennington	410	4.7	404	7.1	160	13.4	621	7.5	36	36.7	101	21.0
Pine	784	3.4	1 009	4.5	288	11.5	3 440	3.5	67	31.5	100	29.4
Pipestone	732	3.5	1 111	4.6	345	9.7	1 438	11.3	36	20.6	193	4.6
Polk	1 148	2.9	1 845	2.1	700	4.5	14 801	1.0	153	11.9	1 042	2.2
Pope	721	3.3	1 177	4.1	240	10.4	1 406	3.8	60	28.3	216	8.6
Ramsey	27	4.1	61	2.0	25	3.9	1 535	.6	7	6.9	(D)	(D)
Red Lake	335	2.8	386	6.7	159	12.6	885	7.5	25	34.3	76	35.9
Redwood	1 129	3.3	2 042	3.8	520	6.2	3 240	5.5	75	13.1	250	3.6
Renville	1 133	2.8	2 058	2.8	651	5.0	7 839	1.5	138	12.0	1 217	1.5
Rice	916	3.1	1 918	2.7	349	8.9	2 931	4.2	76	20.2	283	4.6
Rock	651	5.0	1 388	13.8	370	9.5	1 809	5.0	47	24.7	131	8.6
Roseau	751	4.2	830	6.1	246	10.4	2 633	10.5	70	25.9	304	65.7
St. Louis	478	6.4	420	8.2	193	14.4	1 872	2.7	63	25.2	78	11.3
Scott	689	4.2	897	4.2	209	11.9	1 763	5.9	70	24.8	89	19.6
Sherburne	445	4.3	1 112	2.7	183	9.8	3 314	.8	17	26.6	146	2.3
Sibley	914	2.9	1 911	2.7	394	8.4	3 810	5.6	68	22.5	1 137	15.6
Stearns	2 682	2.1	6 009	2.2	1 165	5.0	8 129	3.3	228	13.3	705	14.5
Steele	738	3.2	1 415	4.4	271	10.1	1 880	3.1	43	25.0	289	4.4
Stevens	504	2.7	1 054	3.5	174	8.4	2 557	1.0	28	—	112	—
Swift	701	3.3	1 164	4.4	269	9.4	3 140	11.4	44	17.2	150	15.1
Todd	1 576	3.1	2 532	3.3	736	6.8	3 447	7.2	185	16.2	317	19.7
Traverse	317	4.6	585	4.9	148	11.7	2 034	4.1	35	38.3	177	6.4
Wabasha	805	3.4	1 701	4.8	358	10.3	2 391	6.0	79	30.9	97	22.3
Wadena	505	4.5	806	6.7	207	13.9	2 239	23.8	62	27.8	328	4.7
Waseca	604	4.0	1 186	3.6	273	9.5	1 706	6.8	73	23.6	176	29.5
Washington	512	3.8	814	3.0	234	10.2	13 203	1.0	35	18.0	144	40.6
Watsonwan	557	4.2	1 064	5.3	265	11.4	1 404	3.2	22	44.4	36	17.7
Wilkin	391	5.3	647	4.4	205	8.6	4 090	1.5	54	21.0	342	2.3
Winona	1 015	2.4	2 412	2.8	375	8.3	3 592	3.3	72	21.2	245	12.6
Wright	1 325	2.8	1 973	2.8	671	6.5	4 050	3.8	101	19.8	283	12.9
Yellow Medicine	836	3.0	1 258	4.7	396	9.1	1 505	4.2	64	18.5	242	6.2

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	Farm production expenses <sup>1</sup> —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)
<b>Minnesota</b> ----	<b>68 211</b>	<b>1.3</b>	<b>387 409</b>	<b>.9</b>	<b>33 801</b>	<b>1.5</b>	<b>94 850</b>	<b>1.6</b>	<b>46 747</b>	<b>1.4</b>	<b>449 417</b>	<b>.9</b>
Aitkin .....	489	5.2	1 132	9.9	76	25.9	111	28.1	229	14.3	1 112	14.2
Anoka .....	467	3.2	1 452	9.1	113	20.0	167	20.5	169	14.3	1 068	12.8
Becker .....	970	2.6	3 975	4.5	430	8.3	630	10.3	607	5.9	5 094	4.7
Beltrami .....	559	4.5	1 386	8.5	165	15.9	262	9.8	225	11.8	1 079	20.0
Benton .....	779	3.0	3 709	5.2	308	10.9	500	11.1	525	6.4	3 461	6.0
Big Stone .....	420	3.2	2 977	5.7	248	8.9	795	10.7	335	6.0	3 714	5.3
Blue Earth .....	1 058	1.6	6 953	4.3	473	7.8	1 455	11.8	789	4.2	9 786	5.2
Brown .....	1 134	2.5	6 796	3.6	562	7.2	1 167	6.6	771	5.4	7 751	4.7
Carlton .....	461	3.6	743	10.5	42	36.2	34	24.5	236	12.2	683	14.7
Carver .....	823	2.4	4 248	4.0	445	7.5	628	10.0	406	7.1	3 936	6.1
Cass .....	551	3.1	1 099	7.5	150	16.0	201	14.2	317	9.1	1 367	11.7
Chippewa .....	671	2.6	5 097	3.8	385	7.3	2 154	11.1	519	5.3	6 872	4.2
Chisago .....	654	3.6	1 684	7.1	256	10.5	389	16.1	285	11.2	1 519	13.0
Clay .....	789	2.2	7 272	1.7	452	6.0	2 818	8.6	542	4.9	8 316	3.4
Clearwater .....	516	4.9	1 664	11.8	163	18.6	138	11.5	318	11.1	1 413	15.3
Cook .....	7	2.1	5	2.7	3	4.8	1	5.9	1	(D)	(D)	(D)
Cottonwood .....	823	2.3	6 178	3.9	399	8.4	1 057	10.8	657	4.5	9 394	5.6
Crow Wing .....	466	4.2	1 062	9.1	114	20.2	138	27.7	236	11.5	995	13.7
Dakota .....	785	2.9	4 310	3.1	384	7.6	1 475	14.8	463	7.0	5 490	4.9
Dodge .....	677	2.6	4 363	3.0	390	6.4	1 090	9.1	467	5.5	4 914	4.4
Douglas .....	863	3.4	3 892	4.9	498	7.9	632	9.1	601	6.2	4 984	8.2
Faribault .....	912	2.3	7 160	2.6	522	5.9	2 316	11.7	747	3.8	9 342	4.4
Fillmore .....	1 452	2.7	7 122	4.2	938	5.4	2 394	7.7	1 007	5.4	9 595	6.4
Freeborn .....	1 057	2.3	7 359	2.8	517	6.6	1 095	8.8	752	4.5	9 057	3.5
Goodhue .....	1 341	2.6	8 518	3.1	789	5.4	2 367	7.1	1 028	4.1	10 386	3.7
Grant .....	390	4.4	2 767	3.8	223	10.6	916	20.0	348	5.9	4 560	7.0
Hennepin .....	597	3.1	2 304	4.2	237	10.0	516	13.7	247	10.7	1 817	9.5
Houston .....	899	2.6	4 560	3.9	515	7.3	1 313	7.6	617	5.6	6 069	8.7
Hubbard .....	315	4.6	1 064	6.3	85	20.2	120	6.2	211	7.8	987	6.1
Isanti .....	601	4.6	1 523	5.9	239	12.3	280	13.8	342	8.3	2 131	9.9
Itasca .....	356	4.8	562	7.7	78	24.1	104	38.4	144	17.5	438	18.0
Jackson .....	924	2.6	6 707	3.4	477	6.4	1 721	5.2	813	3.8	8 889	3.5
Kanabec .....	514	5.7	1 377	6.9	223	13.2	195	13.0	330	8.9	1 388	10.2
Kandiyohi .....	1 004	2.2	7 224	3.2	551	6.7	1 519	9.5	739	4.4	8 602	4.5
Kittson .....	473	3.6	4 108	3.9	318	7.3	2 062	6.1	365	6.7	3 693	5.5
Koochiching .....	165	6.4	503	23.7	61	23.7	74	26.4	92	20.5	665	22.0
Lac qui Parle .....	799	2.4	5 189	5.4	430	8.3	959	10.9	727	3.6	6 645	4.7
Lake .....	32	5.8	34	7.2	5	14.2	1	13.8	11	7.9	(D)	(D)
Lake of the Woods .....	148	10.0	580	17.9	71	24.7	208	9.6	107	16.2	717	16.0
Le Sueur .....	743	3.2	4 319	5.0	400	8.1	842	8.5	567	5.0	5 998	7.2
Lincoln .....	666	2.4	3 182	4.9	281	10.1	604	9.8	451	7.2	4 301	7.4
Lyon .....	862	2.5	6 079	3.1	365	9.0	714	10.7	675	4.3	7 322	6.6
McLeod .....	1 014	2.6	4 896	4.4	544	6.7	991	14.7	629	5.9	4 314	5.4
Mahnomen .....	360	3.6	1 971	6.2	201	10.3	534	21.1	241	8.0	2 018	9.2
Marshall .....	944	2.5	6 966	3.6	508	7.1	2 602	6.7	667	5.0	7 305	4.6
Martin .....	1 042	2.5	7 551	3.2	582	6.5	3 048	15.6	833	4.1	10 578	4.9
Meeker .....	950	3.2	5 820	4.2	517	8.2	1 095	15.5	755	5.2	7 089	6.3
Mille Lacs .....	640	4.0	1 899	6.7	292	10.8	535	17.4	363	9.2	2 273	9.8
Morrison .....	1 643	2.9	6 896	4.6	772	6.9	1 296	14.3	1 059	5.3	7 169	7.2
Mower .....	1 128	2.4	7 499	3.8	633	6.2	2 633	8.5	802	4.9	8 240	3.7
Murray .....	815	3.4	5 619	5.0	436	8.9	857	10.2	632	6.0	7 782	5.6
Nicollet .....	735	2.5	5 320	3.6	395	7.5	934	5.9	543	5.2	7 148	4.1
Nobles .....	1 123	2.8	6 793	4.4	627	6.4	1 620	12.8	799	5.1	7 032	4.6
Norman .....	554	2.6	4 997	2.3	327	6.7	1 700	8.8	401	5.2	5 699	2.5
Olmsted .....	1 099	2.9	6 092	3.4	673	6.5	1 600	8.6	766	4.9	7 107	6.3
Otter Tail .....	2 247	2.1	11 350	3.0	1 005	5.8	1 842	6.7	1 558	3.7	11 047	4.2
Pennington .....	453	3.4	2 256	5.5	208	13.2	901	11.2	319	8.0	2 589	8.2
Pine .....	845	3.3	2 627	5.9	289	12.1	438	10.3	553	6.5	2 535	10.0
Pipestone .....	660	3.8	3 093	5.3	352	9.5	586	11.8	548	6.3	4 490	7.8
Polk .....	1 268	1.8	12 633	2.0	674	5.3	4 572	4.0	933	3.6	12 637	2.7
Pope .....	690	4.3	3 958	5.3	392	7.5	989	11.2	480	4.9	4 843	6.2
Ramsey .....	42	3.8	271	1.1	8	7.3	8	2.6	16	4.9	162	2.9
Red Lake .....	319	3.9	1 883	9.7	188	8.1	406	5.9	247	7.6	2 135	7.6
Redwood .....	1 186	2.6	8 193	4.0	550	7.2	1 710	8.0	836	4.7	10 166	4.7
Renville .....	1 215	2.5	9 942	2.4	656	6.0	3 583	8.4	954	3.7	11 790	2.7
Rice .....	997	3.0	6 257	3.7	510	7.0	1 107	10.0	667	5.9	6 525	5.3
Rock .....	717	3.7	3 953	5.4	445	7.3	1 142	11.3	583	6.1	5 272	5.9
Roseau .....	813	3.3	3 813	5.1	344	9.4	1 083	6.9	535	6.4	3 634	5.6
St. Louis .....	589	4.0	1 223	10.1	77	26.3	177	18.8	237	12.8	960	11.8
Scott .....	777	2.7	3 347	6.3	299	10.6	502	13.4	417	8.3	3 432	9.8
Sherburne .....	495	2.8	2 365	3.0	140	14.6	568	6.0	227	10.3	2 126	9.5
Sibley .....	1 028	1.6	6 199	3.4	495	6.7	1 291	7.6	695	4.6	7 641	5.6
Stearns .....	2 710	2.0	15 283	2.8	1 684	3.8	3 782	6.8	1 787	3.6	13 369	3.9
Steele .....	745	3.3	4 362	4.2	347	9.5	870	20.5	469	7.2	4 800	5.9
Stevens .....	492	3.7	3 824	3.1	240	8.3	1 121	7.6	390	5.1	4 636	3.6
Swift .....	721	2.8	5 156	3.6	402	8.0	1 542	11.8	568	5.6	6 084	6.1
Todd .....	1 567	3.4	6 020	4.8	832	6.6	1 006	7.4	1 131	4.8	6 940	5.9
Traverse .....	351	3.7	3 244	4.0	210	8.9	840	9.5	286	6.1	4 526	5.9
Wabasha .....	797	3.1	4 871	5.2	459	9.1	1 507	10.7	656	5.7	6 523	7.5

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 <sup>1</sup> —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)
	Wadena .....	562	3.5	1 786	11.1	233	12.2	314	13.3	241	11.5	1 721
Waseca .....	717	2.4	5 035	4.4	337	8.7	718	9.1	492	5.7	5 054	5.0
Washington .....	564	3.5	2 475	5.5	298	9.8	584	10.3	204	12.6	1 466	11.1
Watonwan .....	617	3.5	3 949	6.6	333	9.5	1 305	23.4	523	4.2	7 113	4.8
Wilkin .....	447	1.7	5 415	2.8	213	11.0	1 453	9.2	354	5.6	6 767	1.9
Winona .....	980	2.9	7 435	4.4	559	6.1	1 547	8.4	748	4.9	6 377	4.7
Wright .....	1 448	2.2	5 246	3.4	668	6.5	933	5.9	910	4.8	5 764	5.9
Yellow Medicine .....	893	2.2	5 391	3.6	466	7.8	817	8.1	675	5.0	7 361	5.0
Geographic area	Farm production expenses <sup>1</sup> —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)
	<b>Minnesota</b> .....	<b>30 524</b>	<b>1.5</b>	<b>476 600</b>	<b>.9</b>	<b>68 192</b>	<b>1.3</b>	<b>141 669</b>	<b>1.0</b>	<b>71 406</b>	<b>1.3</b>	<b>495 758</b>
Aitkin .....	119	19.6	268	14.1	547	2.6	419	9.5	469	6.1	1 581	7.2
Anoka .....	153	13.4	684	16.4	476	3.0	704	6.4	452	3.6	1 652	8.8
Becker .....	333	9.5	2 563	3.8	986	2.3	1 564	3.1	965	2.5	7 170	3.2
Beltrami .....	158	16.0	391	21.0	640	2.5	588	7.8	577	4.0	1 471	8.9
Benton .....	256	12.3	983	11.7	813	3.2	1 202	7.6	816	2.6	7 079	4.2
Big Stone .....	276	7.5	4 064	5.7	386	4.6	865	6.2	453	2.2	3 124	4.3
Blue Earth .....	661	4.0	15 344	5.1	962	2.8	3 189	4.4	1 061	1.7	8 195	2.2
Brown .....	594	6.6	9 139	6.7	992	3.8	2 474	7.1	1 167	2.4	8 381	3.4
Carlton .....	114	18.9	134	17.7	509	1.3	569	19.9	433	5.0	1 336	6.6
Carver .....	344	8.3	2 983	7.4	839	2.4	1 909	5.2	850	1.9	5 124	5.2
Cass .....	189	13.1	312	24.1	567	3.1	393	5.1	545	3.5	1 676	12.4
Chippewa .....	477	5.5	10 859	3.9	573	4.4	1 705	6.8	681	2.5	5 267	3.6
Chisago .....	259	8.1	1 099	20.3	725	2.8	1 051	5.5	705	2.9	2 453	8.5
Clay .....	463	4.6	15 236	2.7	740	3.0	2 618	3.8	822	2.5	8 814	2.2
Clearwater .....	107	22.2	416	36.8	583	2.8	523	4.4	514	5.0	1 715	8.4
Cook .....	4	3.6	(D)	(D)	6	2.4	2	2.1	6	2.4	2	1.1
Cottonwood .....	500	5.5	10 430	5.4	735	3.5	2 564	4.8	847	1.9	6 496	4.0
Crow Wing .....	106	20.5	125	16.9	506	1.7	432	7.4	455	4.6	1 101	14.1
Dakota .....	313	7.5	4 816	4.6	801	2.6	2 086	4.1	823	2.1	5 680	2.4
Dodge .....	337	7.8	7 222	5.9	672	2.8	1 586	3.6	729	1.3	5 120	3.3
Douglas .....	288	10.2	1 857	12.4	925	2.9	1 184	5.1	905	2.9	4 423	3.8
Faribault .....	602	5.0	16 352	4.1	856	3.0	2 892	4.1	979	1.4	7 721	2.1
Fillmore .....	565	8.3	5 625	6.3	1 451	2.8	2 567	4.7	1 563	2.0	9 269	3.6
Freeborn .....	559	5.3	12 999	3.1	999	2.7	2 928	3.6	1 102	1.6	7 964	2.8
Goodhue .....	627	6.6	8 020	7.4	1 391	2.4	3 098	3.9	1 478	1.8	10 176	4.2
Grant .....	269	7.0	5 116	4.3	424	3.7	1 045	5.6	463	2.0	3 656	4.2
Hennepin .....	168	10.9	1 252	10.9	624	2.8	1 619	8.1	633	2.8	5 025	2.4
Houston .....	265	10.5	2 457	8.5	936	2.0	1 748	4.0	947	1.8	6 236	4.2
Hubbard .....	74	24.5	238	4.3	377	2.4	435	5.5	329	4.7	1 938	7.5
Isanti .....	206	12.5	1 210	10.1	633	3.7	930	16.3	619	4.0	1 686	9.6
Itasca .....	86	21.1	74	30.4	400	3.1	304	29.5	345	5.1	571	11.9
Jackson .....	579	5.0	11 955	4.8	809	3.5	2 425	4.0	1 004	1.8	13 392	1.1
Kanabec .....	210	11.7	684	17.1	612	3.2	588	6.5	555	4.7	1 900	10.0
Kandiyohi .....	448	6.3	8 427	5.2	964	2.9	2 956	4.2	1 035	1.9	12 255	3.3
Kittson .....	305	7.0	6 922	4.5	436	4.4	1 460	3.7	508	2.1	5 501	2.6
Koochiching .....	36	25.2	77	9.0	189	2.1	94	13.1	167	7.4	357	16.1
Lac qui Parle .....	346	8.5	4 962	5.8	820	2.5	1 558	5.9	857	1.8	4 684	6.0
Lake .....	2	24.9	(D)	(D)	33	5.6	44	17.4	29	5.5	22	3.6
Lake of the Woods .....	77	20.3	430	20.3	168	5.0	279	9.4	168	5.0	510	13.0
Le Sueur .....	360	7.0	4 988	8.2	789	2.1	1 643	3.9	826	1.6	5 163	4.0
Lincoln .....	260	12.4	2 444	8.3	638	3.7	1 206	5.7	684	2.5	3 868	6.5
Lyon .....	477	6.5	7 363	5.4	827	2.7	2 400	5.6	927	1.8	6 928	3.3
McLeod .....	482	7.6	6 520	6.9	1 008	2.6	1 826	5.2	1 085	1.8	5 759	3.6
Mahnomen .....	165	13.7	1 677	14.7	349	4.2	904	10.6	361	3.3	1 976	4.5
Marshall .....	483	6.0	11 662	3.9	935	2.6	2 200	4.4	966	1.8	8 435	3.8
Martin .....	633	5.3	16 076	3.9	879	4.0	2 839	5.5	1 099	1.8	9 239	2.4
Meeke .....	352	9.8	4 372	5.9	1 031	2.6	1 900	4.6	1 011	2.4	8 297	2.8
Mille Lacs .....	272	9.0	888	13.9	687	3.2	824	5.3	647	3.6	2 455	13.4
Morrison .....	411	9.9	1 525	14.0	1 754	2.5	2 310	3.5	1 691	2.7	10 689	5.0
Mower .....	555	6.7	11 139	4.8	1 047	2.9	2 926	4.3	1 166	1.9	7 769	3.3
Murray .....	494	5.7	7 534	7.8	804	3.7	1 769	6.9	903	1.9	5 557	4.7
Nicollet .....	378	7.5	8 053	5.6	686	2.8	2 343	3.8	767	1.7	7 476	2.1
Nobles .....	658	5.7	10 935	5.6	959	4.0	1 689	5.1	1 174	2.4	7 828	5.2
Norman .....	305	5.0	9 826	2.6	531	2.0	1 945	3.4	560	3.0	6 299	2.9
Olmsted .....	531	6.4	6 612	6.7	1 089	3.0	2 371	5.6	1 200	2.0	9 587	4.2
Otter Tail .....	836	6.0	6 589	5.8	2 384	1.7	3 166	5.5	2 388	1.7	13 913	3.3
Pennington .....	187	10.1	2 443	7.1	440	3.9	611	5.4	468	2.6	2 175	6.3
Pine .....	262	9.7	810	13.4	978	1.3	1 055	6.4	850	2.9	4 384	6.2
Pipestone .....	315	9.3	3 275	7.9	693	4.0	1 240	7.6	757	2.9	3 851	7.3

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 <sup>1</sup> —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)
Polk .....	799	4.2	29 517	1.8	1 102	2.6	3 679	2.2	1 300	1.6	14 617	1.6
Pope .....	269	10.6	3 108	12.2	774	2.4	1 270	6.0	760	2.3	5 302	4.5
Ramsey .....	6	9.7	15	15.9	35	4.1	144	3.0	41	3.9	957	.8
Red Lake .....	157	13.6	1 438	12.9	327	3.7	517	7.1	351	1.5	2 009	7.0
Redwood .....	712	5.6	12 811	6.3	1 046	3.4	2 706	4.6	1 246	1.7	9 070	3.8
Renville .....	777	3.9	24 645	2.3	1 077	3.0	2 979	3.7	1 286	1.7	12 191	3.5
Rice .....	430	8.1	5 404	6.9	1 034	2.4	2 196	3.6	1 035	2.5	7 043	4.9
Rock .....	438	7.7	6 650	6.8	665	4.8	1 231	6.4	749	2.9	5 220	5.1
Roseau .....	256	11.2	2 312	8.3	867	2.4	1 709	4.8	845	2.8	4 536	6.3
St. Louis .....	138	17.7	288	13.9	665	2.2	470	10.7	589	3.9	1 708	7.0
Scott .....	288	9.1	2 431	9.3	778	2.6	1 801	6.7	793	2.5	3 610	6.5
Sherburne .....	109	15.2	978	1.1	489	3.5	723	4.5	469	3.1	3 029	.9
Sibley .....	507	6.2	8 540	4.9	964	2.3	2 555	3.7	1 017	1.8	8 110	3.6
Stearns .....	899	6.2	4 757	8.2	2 759	2.0	3 770	2.6	2 844	1.8	20 969	3.6
Steele .....	364	8.8	7 633	5.1	742	3.5	1 730	4.2	775	2.5	5 251	11.7
Stevens .....	251	8.7	5 616	3.8	508	2.3	1 120	4.9	529	1.7	6 160	5.7
Swift .....	377	7.7	7 456	6.1	674	4.0	1 841	5.7	745	2.5	5 280	3.1
Todd .....	486	9.0	1 301	10.2	1 723	2.7	1 915	5.3	1 670	2.9	7 967	5.0
Traverse .....	236	8.7	6 498	4.8	337	3.4	1 194	6.5	385	1.2	4 164	4.3
Wabasha .....	213	12.1	2 402	14.2	851	3.4	1 944	5.1	893	2.2	7 074	5.6
Wadena .....	148	16.3	355	23.8	586	3.1	520	6.4	561	3.6	3 553	5.8
Waseca .....	380	7.2	7 617	5.8	646	3.6	2 031	5.5	748	1.6	5 173	3.3
Washington .....	220	10.6	1 585	8.5	619	2.0	1 580	6.2	616	2.5	6 163	4.1
Watonwan .....	358	8.8	7 780	7.1	556	5.0	1 817	9.7	651	2.1	4 772	7.0
Wilkin .....	263	7.7	8 870	3.8	402	5.0	1 952	3.7	454	1.2	6 314	4.9
Winona .....	453	7.9	3 941	7.8	1 018	2.3	2 165	4.1	1 061	1.9	9 546	4.2
Wright .....	609	6.1	4 199	5.2	1 498	1.9	2 160	3.4	1 521	1.8	7 342	3.4
Yellow Medicine .....	490	6.8	7 998	4.0	837	3.1	2 185	7.4	886	2.3	6 255	3.4
	Net cash return from agricultural sales for the farm unit (see text <sup>1</sup> )				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)
<b>Minnesota</b> .....	<b>75 075</b>	<b>1.3</b>	<b>1 216 890</b>	<b>1.0</b>	<b>69 866</b>	<b>1.2</b>	<b>21 387 063</b>	<b>.8</b>	<b>66 549</b>	<b>1.2</b>	<b>18 201 061</b>	<b>.8</b>
Aitkin .....	563	1.8	2 999	15.6	541	1.7	94 338	1.9	517	1.8	58 650	2.1
Anoka .....	508	1.0	3 635	14.1	451	1.1	40 191	1.7	399	1.2	28 851	1.9
Becker .....	1 038	1.6	13 131	7.0	959	1.6	266 737	1.1	885	1.5	219 288	1.1
Beltrami .....	647	2.3	3 240	21.3	621	2.4	129 131	2.6	589	2.4	82 023	2.6
Benton .....	865	1.7	16 175	5.6	804	1.6	136 938	1.3	767	1.6	106 673	1.3
Big Stone .....	460	1.9	12 542	7.9	441	2.1	238 637	1.6	424	2.1	211 051	1.5
Blue Earth .....	1 092	1.1	21 600	5.9	1 029	1.0	353 929	.7	1 009	1.0	330 852	.7
Brown .....	1 190	2.2	25 885	4.8	1 114	2.1	320 871	1.6	1 097	2.1	294 193	1.6
Carlton .....	510	1.3	2 447	19.3	495	1.1	61 392	1.4	473	1.1	39 642	1.4
Carver .....	901	1.1	18 745	4.8	839	1.1	138 704	1.0	811	1.1	124 291	1.0
Cass .....	596	1.6	3 111	10.7	543	1.6	99 796	2.0	505	1.6	62 663	1.7
Chippewa .....	689	2.3	13 735	7.8	642	2.2	306 175	1.4	632	2.2	285 200	1.4
Chisago .....	778	1.2	3 505	21.4	742	1.3	96 555	1.6	684	1.3	72 451	1.7
Clay .....	874	1.0	22 660	4.0	810	1.1	515 859	.6	783	1.1	447 583	.5
Clearwater .....	583	2.8	6 152	13.8	553	2.8	113 899	3.0	517	2.9	75 857	3.0
Cook .....	7	2.1	11	10.3	6	2.4	715	5.0	6	2.4	(D)	(D)
Cottonwood .....	876	1.1	22 977	5.1	822	1.1	341 220	.8	795	1.1	312 520	.8
Crow Wing .....	508	1.7	2 281	24.0	472	1.5	66 187	2.0	431	1.6	40 481	1.9
Dakota .....	870	1.0	15 228	4.8	811	.7	199 534	.6	761	.8	173 179	.6
Dodge .....	739	1.1	8 961	8.7	685	1.2	220 585	.8	646	1.2	199 463	.8
Douglas .....	957	2.5	10 757	8.2	901	2.4	197 850	2.2	845	2.5	158 778	2.2
Faribault .....	1 016	.9	21 317	4.7	946	.8	387 591	.5	932	.8	364 264	.5
Fillmore .....	1 618	1.6	20 894	9.0	1 461	1.5	332 446	1.1	1 336	1.5	258 099	1.0
Freeborn .....	1 154	1.0	16 320	5.7	1 072	.8	342 789	.5	1 031	.8	313 331	.5
Goodhue .....	1 540	1.4	24 886	5.5	1 414	1.1	312 529	.8	1 338	1.1	266 550	.8
Grant .....	471	1.5	9 719	5.0	440	1.2	251 425	.7	419	1.2	229 790	.7
Hennepin .....	683	1.1	6 507	9.9	631	1.2	60 671	1.4	583	1.2	51 032	1.5
Houston .....	973	1.3	15 469	7.9	894	1.3	157 637	1.2	845	1.3	123 323	1.2
Hubbard .....	389	1.2	3 099	12.0	354	1.2	61 907	1.0	325	1.2	40 335	.9
Isanti .....	679	1.3	1 539	53.3	635	1.3	95 251	1.3	575	1.4	75 886	1.4
Itasca .....	421	1.5	1 168	22.7	403	1.2	59 348	1.6	371	1.3	37 561	1.7
Jackson .....	1 028	1.4	22 954	4.7	941	1.3	376 183	.9	926	1.3	350 072	.9
Kanabec .....	649	1.5	3 294	15.0	594	1.5	74 912	1.6	557	1.5	56 688	1.6
Kandiyohi .....	1 113	1.2	27 416	4.8	1 010	1.2	314 802	.8	960	1.2	275 617	.8
Kittson .....	522	1.2	12 212	5.6	509	1.0	413 926	.6	481	1.0	324 626	.5
Koochiching .....	189	2.1	799	59.0	186	1.6	34 928	2.5	171	1.7	20 659	2.5
Lac qui Parle .....	867	1.4	14 160	9.5	802	1.7	370 847	1.2	768	1.7	319 407	1.1
Lake .....	35	5.4	-76	12.6	35	2.3	1 530	2.8	33	2.6	(D)	(D)
Lake of the Woods .....	177	1.7	20	(H)	167	2.0	74 048	2.3	149	2.2	40 733	2.5

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) <sup>1</sup>				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)
Le Sueur	844	1.1	10 286	7.9	791	1.4	178 474	1.0	752	1.4	157 431	.9
Lincoln	695	2.2	8 318	16.3	661	2.0	225 490	1.6	610	1.9	164 378	1.5
Lyon	947	1.3	21 066	7.3	868	1.5	360 644	1.0	843	1.5	319 467	1.0
McLeod	1 114	1.5	14 514	6.6	1 041	1.4	225 505	1.1	1 015	1.4	206 850	1.1
Mahnomen	368	2.9	3 244	11.7	350	2.7	152 401	1.9	336	2.7	124 997	1.9
Marshall	1 012	.9	23 958	4.6	978	1.2	671 123	.7	940	1.2	526 020	.6
Martin	1 122	1.3	24 523	5.0	1 037	1.0	391 948	.6	1 023	1.0	370 047	.6
Meeker	1 075	2.0	13 725	5.7	995	1.3	257 625	1.0	953	1.3	227 495	1.0
Mille Lacs	738	1.8	5 279	15.9	692	1.6	88 683	1.6	662	1.6	68 294	1.6
Morrison	1 806	2.3	23 260	7.6	1 670	2.3	248 814	2.1	1 578	2.3	184 681	2.1
Mower	1 214	1.3	19 823	4.5	1 113	1.1	365 551	.7	1 071	1.1	331 257	.7
Murray	903	1.9	19 059	5.8	847	1.7	345 353	1.2	832	1.7	308 321	1.2
Nicollet	786	.9	21 137	4.7	737	.9	225 213	.5	724	.8	212 184	.5
Nobles	1 198	2.1	26 717	7.1	1 104	2.0	389 726	1.5	1 077	2.0	346 574	1.5
Norman	581	1.2	17 110	3.2	550	.9	420 362	.5	523	.9	364 090	.5
Olmsted	1 270	1.2	12 531	8.7	1 153	1.2	252 614	1.0	1 055	1.2	196 861	1.0
Otter Tail	2 509	1.3	37 668	4.5	2 321	1.4	582 018	1.1	2 190	1.4	472 236	1.0
Pennington	480	1.2	6 729	9.8	456	1.4	243 524	1.1	434	1.4	185 804	1.0
Pine	978	1.3	6 003	14.0	937	1.5	140 539	1.5	885	1.5	96 133	1.4
Pipestone	778	2.6	10 620	9.8	688	2.5	223 165	2.0	649	2.5	186 470	2.0
Polk	1 333	1.1	38 374	3.2	1 291	1.1	943 384	.4	1 237	1.1	823 908	.4
Pope	816	1.7	10 857	12.2	757	1.6	250 058	1.3	721	1.6	201 213	1.2
Ramsey	44	3.8	1 351	1.1	41	1.6	1 489	5.2	41	1.6	913	5.8
Red Lake	352	1.5	4 560	10.8	320	1.5	154 569	1.0	295	1.6	116 928	1.0
Redwood	1 260	1.5	29 923	6.0	1 159	1.2	460 227	.9	1 138	1.2	425 703	.9
Renville	1 302	1.4	35 165	3.5	1 225	1.3	566 274	.7	1 204	1.2	532 506	.7
Rice	1 099	1.5	11 842	10.9	1 017	1.3	194 920	1.1	955	1.3	164 650	1.0
Rock	791	2.3	14 797	6.7	703	2.2	248 647	1.5	685	2.2	209 645	1.5
Roseau	891	2.0	9 488	9.5	848	1.8	439 145	1.2	802	1.7	307 646	1.1
St. Louis	676	1.6	-221	(H)	638	1.5	80 397	1.7	589	1.5	55 777	1.7
Scott	837	1.6	10 068	12.0	786	1.8	110 116	1.7	727	1.9	95 613	1.8
Sherburne	531	1.1	6 766	6.3	488	1.1	86 678	1.0	447	1.2	69 974	.9
Sibley	1 059	1.2	22 991	4.9	977	1.1	283 528	.7	950	1.1	262 821	.7
Stearns	2 973	1.5	61 438	3.6	2 774	1.5	505 818	1.4	2 660	1.5	412 857	1.3
Steele	819	1.6	14 794	7.1	742	1.2	215 571	.7	715	1.2	190 949	.7
Stevens	538	1.1	13 293	5.0	487	1.2	269 418	.8	467	1.2	247 135	.8
Swift	760	2.2	10 741	10.0	719	2.0	359 461	1.4	703	2.1	321 548	1.4
Todd	1 767	2.5	20 689	5.8	1 652	2.5	257 167	2.5	1 550	2.5	193 533	2.5
Traverse	385	1.2	15 474	5.6	364	1.1	298 692	.7	361	1.1	281 229	.7
Wabasha	928	1.7	13 343	12.5	870	1.6	181 203	1.2	826	1.6	145 841	1.1
Wadena	601	2.5	5 570	10.0	566	2.5	94 256	2.7	516	2.6	67 650	2.7
Waseca	759	1.3	12 583	7.4	712	1.1	219 426	.8	690	1.1	201 579	.8
Washington	646	1.1	11 680	4.4	603	.9	80 252	1.0	536	1.0	63 413	1.1
Watonwan	663	1.8	11 967	11.9	625	1.3	233 285	.9	619	1.3	221 713	.9
Wilkin	455	1.2	17 850	5.3	429	.9	407 135	.4	414	.9	371 512	.4
Winona	1 091	1.2	19 416	5.1	998	1.0	198 375	.9	964	1.0	163 630	.9
Wright	1 583	1.4	17 703	5.8	1 453	1.6	218 111	1.4	1 377	1.6	190 190	1.3
Yellow Medicine	923	1.7	17 347	6.7	858	1.5	378 676	1.0	832	1.4	338 105	.9
Geographic area	Irrigated land				Livestock and poultry							
	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	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)
<b>Minnesota</b>	<b>2 368</b>	<b>1.0</b>	<b>370 404</b>	<b>.5</b>	<b>34 501</b>	<b>1.3</b>	<b>2 543 373</b>	<b>1.0</b>	<b>15 101</b>	<b>1.4</b>	<b>381 869</b>	<b>1.3</b>
Aitkin	17	5.6	5 188	.1	354	2.2	15 346	2.7	267	2.5	5 378	3.4
Anoka	49	4.0	987	3.8	148	2.2	4 763	2.1	110	2.6	1 308	3.2
Becker	36	4.8	5 443	3.1	618	1.7	36 245	1.6	311	2.2	6 784	2.5
Beltrami	28	3.7	4 723	(L)	403	2.8	22 820	3.2	302	3.1	9 602	3.8
Benton	44	3.5	8 815	1.2	561	1.6	39 428	1.5	195	2.3	3 568	2.7
Big Stone	12	9.2	2 197	6.2	159	3.3	10 321	3.2	84	4.5	2 424	5.3
Blue Earth	8	6.1	429	18.4	243	1.7	18 698	1.0	93	2.8	1 537	2.7
Brown	17	5.7	2 576	3.8	452	2.3	38 679	1.5	92	3.9	2 819	2.6
Carlton	14	6.2	59	9.5	339	1.3	12 638	1.4	209	1.7	3 040	2.5
Carver	19	6.1	228	9.1	551	1.3	46 854	1.1	137	2.4	3 351	2.1
Cass	21	4.6	2 884	1.8	402	1.8	26 831	1.8	280	2.0	10 998	2.1
Chippewa	10	4.9	2 462	(L)	128	3.3	8 381	2.7	56	4.7	1 567	6.1
Chisago	19	5.7	996	4.1	383	1.6	16 699	1.8	208	2.2	2 990	3.3
Clay	15	6.1	3 039	1.5	281	1.6	24 697	1.3	143	2.4	5 524	2.1
Clearwater	14	6.8	6 375	.7	374	3.3	22 866	3.3	302	3.4	9 771	3.5
Cook	-	-	-	-	6	2.4	259	5.6	6	2.4	128	5.1
Cottonwood	5	-	1 229	-	284	1.6	35 194	.8	131	2.4	3 943	1.9
Crow Wing	29	4.6	1 593	2.4	295	1.9	16 192	2.3	212	2.2	5 558	3.1
Dakota	203	1.4	42 710	.9	305	1.3	29 787	.8	99	2.5	2 005	2.9

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	Irrigated land				Livestock and poultry							
	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	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)
Dodge	2	—	(D)	(D)	313	1.5	23 729	.9	82	3.4	1 091	4.2
Douglas	30	6.4	2 804	4.6	552	2.7	37 335	2.3	157	3.8	3 094	4.9
Faribault	8	5.1	1 633	1.6	184	1.7	15 106	.9	73	2.9	1 891	2.6
Fillmore	7	9.8	256	20.0	1 021	1.5	83 628	1.2	557	1.5	19 724	1.6
Freeborn	22	5.2	2 610	3.3	331	1.4	17 595	1.2	126	2.4	1 883	3.2
Goodhue	35	4.5	3 154	3.5	920	1.2	76 135	1.0	316	1.8	7 205	3.1
Grant	29	4.3	3 067	3.5	138	2.0	9 746	1.5	57	3.8	1 239	3.8
Hennepin	62	2.8	1 612	3.3	246	1.8	13 105	1.4	121	2.9	1 233	3.6
Houston	9	9.9	149	15.1	726	1.4	66 132	1.1	397	1.6	12 149	1.6
Hubbard	35	3.6	16 092	.4	204	1.6	9 401	1.6	146	2.0	3 488	2.2
Isanti	32	4.9	2 417	1.6	252	1.8	8 960	2.0	134	2.6	1 531	3.3
Itasca	16	5.9	829	10.5	266	1.6	11 049	1.7	227	1.7	5 321	2.0
Jackson	1	—	(D)	(D)	233	1.8	22 048	.9	97	2.9	2 603	2.1
Kanabec	7	10.0	(D)	(D)	386	1.7	23 474	1.8	229	2.3	6 008	2.8
Kandiyohi	37	3.8	6 618	2.0	452	1.5	33 582	1.3	144	2.4	2 727	3.0
Kittson	6	10.4	380	5.0	140	2.4	11 227	2.2	119	2.6	5 784	2.3
Koochiching	5	10.2	858	4.4	114	2.5	5 911	3.7	97	2.7	2 593	4.0
Lac qui Parle	18	4.2	2 850	2.9	253	2.1	24 947	1.0	144	2.6	4 278	2.1
Lake	2	22.3	(D)	(D)	14	6.9	194	8.4	13	7.5	(D)	(D)
Lake of the Woods	3	23.2	(D)	(D)	75	3.7	3 879	5.4	60	4.2	1 888	6.1
Le Sueur	12	7.4	718	4.6	333	1.6	23 395	1.1	149	2.4	3 209	2.1
Lincoln	5	11.5	384	14.5	336	2.1	27 765	1.6	171	2.6	5 431	3.1
Lyon	2	17.2	(D)	(D)	347	1.5	40 032	.9	156	2.2	5 915	1.5
McLeod	13	6.3	288	10.1	561	1.5	34 250	1.2	138	2.4	1 779	3.1
Mahnomen	6	13.5	(D)	(D)	198	3.4	12 127	3.2	110	4.2	3 249	4.5
Marshall	5	11.3	140	5.2	274	1.9	15 386	1.9	200	2.1	5 254	2.3
Martin	6	6.7	598	10.0	220	1.6	21 494	.7	76	2.9	2 446	2.2
Meeker	32	3.9	3 744	2.3	440	1.6	27 823	1.3	143	2.6	2 729	2.4
Mille Lacs	8	10.0	149	23.3	457	1.8	27 254	1.8	197	2.5	3 569	3.4
Morrison	64	4.0	12 792	2.1	1 197	2.4	79 457	2.2	451	2.8	9 877	3.1
Mower	17	4.7	1 331	4.0	384	1.4	23 077	1.0	143	2.2	2 629	2.4
Murray	4	14.0	(D)	(D)	362	1.6	39 089	.7	162	2.1	5 313	1.6
Nicollet	3	9.5	8	7.1	273	1.2	20 104	.8	70	3.0	1 082	2.8
Nobles	11	10.1	446	17.9	400	2.3	43 665	1.3	174	3.2	6 134	2.1
Norman	8	7.2	349	13.4	190	1.8	10 193	2.0	117	2.4	2 551	3.1
Olmsted	24	5.5	259	17.0	707	1.4	58 888	1.0	335	1.8	10 493	1.6
Otter Tail	178	1.9	38 172	1.3	1 545	1.4	111 938	1.2	617	1.7	13 859	1.9
Pennington	4	12.4	(D)	(D)	177	2.0	11 408	1.9	113	2.7	3 325	2.6
Pine	12	9.4	807	1.4	661	1.6	39 539	1.5	347	2.0	7 262	2.1
Pipestone	10	8.6	1 178	7.8	430	2.7	35 710	2.0	217	3.4	6 708	3.2
Polk	51	3.1	7 819	.9	367	1.6	29 275	1.2	254	2.0	9 128	1.6
Pope	107	2.4	25 619	1.7	441	1.6	35 046	1.4	176	2.2	5 037	2.7
Ramsey	17	3.6	48	1.8	5	13.2	219	7.3	2	23.9	(D)	(D)
Red Lake	—	—	—	—	175	2.1	14 548	2.0	101	2.9	4 493	3.1
Redwood	4	14.6	(D)	(D)	352	1.4	34 011	.7	123	2.5	4 192	1.4
Renville	9	8.8	298	8.0	231	2.0	23 469	1.0	63	3.3	1 268	3.2
Rice	8	9.5	143	12.4	531	1.6	32 632	1.4	157	2.5	2 348	2.6
Rock	8	7.8	1 942	.2	388	2.3	42 242	1.3	213	3.0	7 279	2.4
Roseau	4	17.5	22	32.0	376	2.1	24 537	2.0	275	2.4	8 967	2.7
St. Louis	34	4.6	1 000	4.1	359	1.8	11 883	1.8	273	2.1	3 901	2.6
Scott	16	6.5	377	13.9	401	2.2	28 231	1.7	132	3.5	1 871	4.8
Sherburne	110	2.0	31 871	.9	177	2.0	11 974	1.7	94	3.1	1 915	4.8
Sibley	5	12.7	620	24.8	499	1.4	34 196	1.1	96	3.0	1 766	2.9
Stearns	183	1.8	32 707	1.1	2 049	1.6	170 425	1.4	393	1.8	6 834	2.1
Steele	6	13.8	281	14.4	321	1.5	19 613	1.3	67	3.1	872	3.8
Stevens	48	3.0	10 860	1.3	152	1.8	28 599	.8	71	3.1	3 034	2.2
Swift	84	3.0	21 181	2.4	230	2.8	18 787	2.3	93	4.1	3 208	4.1
Todd	70	4.2	8 436	2.6	1 199	2.7	76 060	2.5	391	3.1	7 675	4.0
Traverse	—	—	—	—	79	2.5	8 896	1.6	47	3.6	1 657	3.4
Wabasha	20	5.7	1 037	8.9	631	1.7	58 980	1.2	260	2.4	7 698	2.1
Wadena	68	4.4	11 823	3.5	396	2.8	23 822	3.1	188	3.4	4 940	4.9
Waseca	7	9.9	377	19.8	251	1.6	13 587	1.2	71	2.9	1 129	2.9
Washington	60	3.3	4 297	2.5	244	1.5	11 270	1.3	146	2.2	2 428	2.2
Watsonwan	10	8.4	1 147	.5	118	2.4	10 580	1.6	35	4.5	933	4.0
Wilkin	13	3.8	3 470	1.7	77	2.8	4 930	2.6	45	3.7	1 306	3.5
Winona	10	10.1	44	13.0	824	1.2	79 938	.9	308	1.8	8 892	2.0
Wright	53	3.7	3 116	4.9	803	1.6	47 596	1.4	301	2.3	4 080	2.9
Yellow Medicine	13	5.4	1 303	7.3	227	1.8	21 552	1.1	107	2.4	4 019	1.8

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	Livestock and poultry — Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
<b>Minnesota</b>	<b>13 380</b>	<b>1.4</b>	<b>609 034</b>	<b>1.0</b>	<b>13 125</b>	<b>1.1</b>	<b>4 668 590</b>	<b>.5</b>	<b>3 451</b>	<b>1.3</b>	<b>221 777</b>	<b>1.3</b>
Aitkin	86	4.1	2 809	4.7	13	8.8	(D)	(D)	13	9.9	517	13.5
Anoka	20	5.2	841	3.9	35	4.8	6 952	2.7	19	7.1	465	12.3
Becker	262	2.2	10 296	2.0	92	3.7	13 859	3.7	48	4.7	2 376	7.5
Beltrami	77	4.7	2 741	3.8	43	6.1	1 990	11.5	27	7.4	1 487	12.7
Benton	285	1.9	14 121	1.5	177	2.4	29 441	2.1	19	7.0	606	7.3
Big Stone	44	4.8	2 109	3.6	80	3.3	37 910	1.5	28	5.3	1 506	6.0
Blue Earth	51	3.5	2 116	3.1	298	1.2	183 940	.6	50	3.8	2 582	5.4
Brown	219	2.6	9 300	2.1	309	2.2	143 889	1.2	50	5.0	2 577	8.8
Carlton	104	2.4	3 357	2.1	22	5.9	489	9.7	23	5.2	662	9.1
Carver	307	1.5	16 647	1.1	124	2.2	27 570	1.9	27	5.9	714	11.2
Cass	105	2.8	3 547	2.4	59	3.7	9 312	1.2	33	5.0	3 066	6.8
Chippewa	27	6.6	1 351	3.9	157	2.9	48 876	2.0	34	6.4	3 349	7.3
Chisago	98	2.8	4 377	2.4	58	4.0	6 380	3.9	24	6.7	1 056	13.6
Clay	84	2.7	4 085	2.1	45	4.4	14 760	3.1	18	7.7	1 251	13.1
Clearwater	83	5.2	2 050	5.1	37	6.8	1 638	6.7	37	6.6	2 491	9.4
Cook	3	4.8	6	2.4	1	—	(D)	(D)	—	—	—	—
Cottonwood	52	3.3	2 385	2.0	255	1.6	103 092	1.0	33	5.3	2 625	10.1
Crow Wing	73	3.5	3 125	3.0	53	4.3	5 363	5.2	24	6.8	904	12.8
Dakota	85	2.1	5 571	1.2	109	2.1	40 513	1.1	38	4.5	1 108	4.4
Dodge	140	2.0	7 957	1.2	138	2.2	60 040	.9	34	5.4	1 301	6.6
Douglas	289	3.0	12 180	2.4	126	4.1	21 476	4.7	50	5.2	2 708	7.5
Faribault	49	2.7	2 291	1.3	266	1.3	142 521	.6	57	3.4	2 572	6.2
Fillmore	376	1.8	16 932	1.3	346	1.6	120 562	1.0	94	3.3	4 235	4.7
Freeborn	98	2.4	3 797	1.6	295	1.3	150 810	.5	56	3.6	3 619	3.1
Goodhue	426	1.5	24 545	.9	198	1.9	76 371	.9	114	2.8	4 923	4.9
Grant	39	3.4	1 711	2.1	68	2.7	23 956	1.5	13	7.1	869	3.6
Hennepin	72	2.5	4 252	1.6	45	4.1	6 171	7.3	21	7.5	629	11.4
Houston	269	1.8	13 075	1.5	221	2.1	50 403	1.5	19	6.2	814	8.2
Hubbard	30	3.7	900	4.2	41	3.7	6 262	3.7	25	6.1	1 971	6.6
Isanti	59	3.5	2 155	3.0	98	2.9	11 509	2.3	38	4.9	2 441	5.6
Itasca	28	5.6	777	5.6	26	6.2	1 433	3.3	22	6.0	897	12.8
Jackson	34	4.8	1 474	2.4	289	1.6	169 201	.8	82	3.2	4 445	3.8
Kanabec	119	2.7	4 534	2.3	81	3.5	14 933	1.7	50	4.4	1 972	7.5
Kandiyohi	201	2.0	9 277	1.7	219	1.9	85 072	1.0	49	4.5	5 955	2.6
Kittson	7	10.6	300	10.2	13	8.0	2 668	7.1	15	8.3	865	11.2
Koochiching	16	7.8	326	12.1	11	10.9	352	16.0	8	10.0	507	12.1
Lac qui Parle	48	3.8	1 664	3.5	205	2.0	66 387	1.3	29	4.8	1 691	9.1
Lake	3	8.6	(D)	(D)	3	13.7	17	15.3	2	12.9	(D)	(D)
Lake of the Woods	12	10.6	323	10.7	17	8.8	702	17.5	6	17.6	152	20.7
Le Sueur	108	2.3	4 776	1.5	218	1.9	82 581	1.1	55	4.0	2 170	6.2
Lincoln	78	3.0	3 347	2.1	178	2.4	66 435	1.5	47	4.3	7 312	5.2
Lyon	61	2.6	3 050	2.1	306	1.7	136 032	.9	69	3.6	6 447	3.2
McLeod	303	1.8	12 801	1.4	190	2.1	36 954	1.6	36	5.0	1 980	8.4
Mahnomen	70	4.9	2 506	4.2	29	6.9	5 302	8.1	8	13.3	367	16.5
Marshall	52	4.0	1 708	3.8	33	5.6	2 568	6.7	38	4.8	2 908	6.7
Martin	33	2.2	1 971	2.2	324	1.3	250 371	.4	50	4.2	2 965	4.5
Meeker	185	2.0	8 829	1.6	204	1.9	70 405	1.6	55	4.1	2 925	7.4
Mille Lacs	207	2.2	8 245	2.0	104	3.1	11 620	4.0	24	6.5	929	8.3
Morrison	646	2.8	27 680	2.3	327	2.9	34 785	3.5	46	6.0	2 145	14.1
Mower	116	2.1	5 774	1.4	339	1.4	155 831	.9	66	3.5	3 783	3.3
Murray	78	2.6	3 697	1.7	288	1.7	105 165	1.3	61	3.4	7 783	2.7
Nicollet	134	1.4	6 061	1.0	240	1.3	158 354	.6	21	5.8	987	7.6
Nobles	98	3.5	4 241	2.7	420	2.0	201 797	1.0	79	4.3	9 997	3.4
Norman	53	3.6	2 023	3.0	39	4.3	9 323	4.1	20	6.3	543	9.0
Olmsted	274	1.8	14 374	1.2	145	2.4	44 561	1.4	81	3.4	4 405	7.5
Otter Tail	782	1.6	34 395	1.3	249	2.4	43 089	1.9	128	3.1	6 913	4.0
Pennington	51	3.5	1 727	3.4	18	6.9	3 156	8.9	17	7.6	1 349	11.9
Pine	274	2.1	11 310	1.8	96	3.2	6 001	5.3	39	5.2	2 399	8.6
Pipestone	113	3.6	5 143	2.4	189	3.1	70 506	2.0	74	4.8	10 303	5.8
Polk	104	2.4	4 657	1.6	43	4.6	8 635	2.6	21	6.2	1 666	5.1
Pope	199	2.0	8 918	1.7	127	2.7	28 236	1.8	40	5.1	2 261	9.2
Ramsey	1	—	(D)	(D)	1	30.0	(D)	(D)	1	30.0	(D)	(D)
Red Lake	58	3.6	2 396	3.3	19	7.5	2 233	5.6	18	7.1	2 581	10.0
Redwood	73	2.5	3 591	1.8	416	1.4	154 445	.9	52	3.9	8 371	3.9
Renville	97	2.7	4 055	2.1	334	1.7	143 570	.9	45	3.9	10 970	1.1
Rice	255	1.9	11 160	1.6	198	1.9	135 467	.6	63	3.7	2 187	6.3
Rock	69	4.4	3 422	2.8	288	2.1	146 838	1.2	56	5.0	2 891	5.5
Roseau	92	2.8	4 024	2.2	19	7.5	5 618	2.8	38	5.4	2 559	4.9
St. Louis	69	3.3	2 334	3.0	21	7.0	992	13.7	43	4.8	1 355	5.9
Scott	169	2.8	8 633	2.2	95	3.7	16 274	2.8	34	6.5	415	9.7
Sherburne	41	3.3	2 111	1.9	68	2.9	20 112	1.7	32	5.0	880	7.4
Sibley	231	1.7	10 295	1.3	249	1.7	91 368	1.0	49	4.2	3 462	5.6
Stearns	1 348	1.7	64 107	1.5	597	1.7	110 020	1.3	57	4.0	1 672	5.9
Steele	170	2.0	6 777	1.6	202	1.9	67 661	1.0	44	4.4	1 321	5.8
Stevens	26	4.5	998	3.5	136	1.8	72 984	.8	23	5.1	1 783	5.1
Swift	78	3.8	3 052	3.3	120	3.0	33 412	2.0	15	8.7	962	6.7
Todd	674	3.0	27 837	2.5	245	3.3	34 628	3.7	95	4.7	3 972	6.6
Traverse	10	8.3	405	5.2	50	3.3	28 370	1.3	14	8.3	1 247	12.8
Wabasha	314	1.7	17 552	1.2	173	2.3	41 138	1.5	60	3.7	2 430	4.5

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	Livestock and poultry – Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Wadena .....	184	3.6	6 760	3.2	77	4.9	6 665	7.7	24	7.6	2 458	14.4
Waseca .....	88	2.3	3 895	1.4	181	1.6	76 543	.8	55	3.7	2 051	5.7
Washington .....	49	3.1	2 603	2.0	34	4.2	3 500	3.3	31	5.0	1 561	6.4
Watonswan .....	21	4.9	962	4.4	182	1.8	81 917	1.1	46	4.1	3 042	3.4
Wilkin .....	17	5.9	727	3.7	50	3.3	16 271	1.4	8	10.4	525	26.9
Winona .....	470	1.4	26 803	1.0	180	2.2	40 278	1.9	30	6.3	817	8.7
Wright .....	323	2.1	15 426	1.6	207	2.2	42 943	1.9	78	3.6	2 299	6.6
Yellow Medicine .....	54	2.9	2 484	2.1	204	1.9	76 557	1.3	36	5.0	5 336	2.5

  

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)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
<b>Minnesota</b> .....	<b>2 265</b>	<b>1.3</b>	<b>12 640</b>	<b>755</b>	<b>.1</b>	<b>679</b>	<b>1.5</b>	<b>36 828</b>	<b>542</b>	<b>.1</b>		
Aitkin .....	24	6.2	(D)	(D)	(D)	1	–	(D)	(D)	(D)	(D)	(D)
Anoka .....	23	5.9	2 098	16.6	16.6	62	8.5	(D)	(D)	(D)	(D)	(D)
Becker .....	23	6.8	658	8.5	8.5	6	14.5	330	14.6	14.6	14.6	14.6
Beltrami .....	24	7.5	(D)	(D)	(D)	4	19.5	372	22.0	22.0	22.0	22.0
Benton .....	32	4.7	274 333	(L)	(L)	34	2.4	6 001 812	.2	.2	.2	.2
Big Stone .....	8	10.9	(D)	(D)	(D)	3	23.1	(D)	(D)	(D)	(D)	(D)
Blue Earth .....	25	5.6	(D)	(D)	(D)	10	10.1	1 626	15.6	15.6	15.6	15.6
Brown .....	30	6.5	62 277	2.5	2.5	5	13.7	(D)	(D)	(D)	(D)	(D)
Carlton .....	32	4.5	866	5.8	5.8	2	20.6	(D)	(D)	(D)	(D)	(D)
Carver .....	36	4.4	(D)	(D)	(D)	10	5.7	2 482	4.8	4.8	4.8	4.8
Cass .....	34	5.2	738	7.6	7.6	2	23.3	(D)	(D)	(D)	(D)	(D)
Chippewa .....	7	15.9	(D)	(D)	(D)	6	15.4	322	22.2	22.2	22.2	22.2
Chisago .....	36	5.3	8 288	1.1	1.1	7	12.8	673	14.6	14.6	14.6	14.6
Clay .....	14	7.6	572 588	(L)	(L)	7	13.8	749	20.3	20.3	20.3	20.3
Clearwater .....	19	7.6	743 688	(L)	(L)	2	31.2	(D)	(D)	(D)	(D)	(D)
Cook .....	1	–	(D)	(D)	(D)	–	–	(D)	(D)	(D)	(D)	(D)
Cottonwood .....	15	7.4	(D)	(D)	(D)	7	7.9	1 059 977	(L)	(L)	(L)	(L)
Crow Wing .....	34	5.7	1 433	9.7	9.7	6	12.2	(D)	(D)	(D)	(D)	(D)
Dakota .....	28	6.0	969	4.6	4.6	16	7.4	2 230	11.7	11.7	11.7	11.7
Dodge .....	24	5.7	(D)	(D)	(D)	4	15.0	646	17.4	17.4	17.4	17.4
Douglas .....	26	7.7	1 181	17.1	17.1	8	12.7	26 674	19.7	19.7	19.7	19.7
Faribault .....	17	5.5	102 739	.1	.1	4	15.9	485	17.4	17.4	17.4	17.4
Fillmore .....	45	5.0	(D)	(D)	(D)	6	14.5	1 300	14.8	14.8	14.8	14.8
Freeborn .....	36	4.4	245 901	1.0	1.0	9	10.7	2 741	6.6	6.6	6.6	6.6
Goodhue .....	41	5.1	136 547	.1	.1	18	8.0	3 552	20.3	20.3	20.3	20.3
Grant .....	8	9.9	(D)	(D)	(D)	4	5.2	825	1.3	1.3	1.3	1.3
Hennepin .....	29	5.5	10 021	.8	.8	4	14.8	121	16.3	16.3	16.3	16.3
Houston .....	31	5.5	2 209	10.9	10.9	3	15.3	(D)	(D)	(D)	(D)	(D)
Hubbard .....	23	5.9	717	7.7	7.7	6	12.0	305	13.5	13.5	13.5	13.5
Isanti .....	37	4.9	1 730	8.8	8.8	7	10.3	1 158	10.4	10.4	10.4	10.4
Itasca .....	18	7.3	417	9.3	9.3	5	14.6	450	19.6	19.6	19.6	19.6
Jackson .....	19	7.7	34 166	13.0	13.0	12	8.3	(D)	(D)	(D)	(D)	(D)
Kanabec .....	39	5.2	839	9.9	9.9	5	15.9	298	21.1	21.1	21.1	21.1
Kandiyohi .....	32	5.6	(D)	(D)	(D)	8	11.0	1 370	13.7	13.7	13.7	13.7
Kittson .....	7	14.0	211	20.4	20.4	1	37.3	(D)	(D)	(D)	(D)	(D)
Koochiching .....	8	12.5	257	14.7	14.7	–	–	(D)	(D)	(D)	(D)	(D)
Lac qui Parle .....	19	5.9	(D)	(D)	(D)	3	17.0	575	16.7	16.7	16.7	16.7
Lake .....	4	10.3	115	6.5	6.5	–	–	(D)	(D)	(D)	(D)	(D)
Lake of the Woods .....	10	11.2	267	11.4	11.4	1	46.3	(D)	(D)	(D)	(D)	(D)
Le Sueur .....	33	5.5	(D)	(D)	(D)	6	11.4	540	14.5	14.5	14.5	14.5
Lincoln .....	13	9.8	1 944	9.4	9.4	2	15.7	(D)	(D)	(D)	(D)	(D)
Lyon .....	13	7.7	28 199	3.3	3.3	7	10.8	2 235	4.6	4.6	4.6	4.6
McLeod .....	31	5.4	(D)	(D)	(D)	12	8.8	666	9.9	9.9	9.9	9.9
Mahnomen .....	10	13.0	275	20.6	20.6	–	–	(D)	(D)	(D)	(D)	(D)
Marshall .....	5	12.4	192	14.7	14.7	4	12.9	371	11.1	11.1	11.1	11.1
Martin .....	22	6.3	2 502	11.4	11.4	7	13.5	3 540	18.0	18.0	18.0	18.0
Meeke .....	38	4.4	(D)	(D)	(D)	11	7.4	5 706	12.4	12.4	12.4	12.4
Mille Lacs .....	35	5.0	(D)	(D)	(D)	9	9.8	(D)	(D)	(D)	(D)	(D)
Morrison .....	84	3.9	666 950	(L)	(L)	49	2.3	11 240 875	(L)	(L)	(L)	(L)
Mower .....	24	6.7	28 971	19.1	19.1	4	17.7	492	19.2	19.2	19.2	19.2
Murray .....	19	7.0	16 698	2.8	2.8	3	19.5	(D)	(D)	(D)	(D)	(D)
Nicollet .....	12	6.6	(D)	(D)	(D)	6	8.2	1 119	4.3	4.3	4.3	4.3
Nobles .....	32	6.0	172 321	1.9	1.9	3	22.3	190	15.9	15.9	15.9	15.9
Norman .....	13	8.5	436	12.9	12.9	5	12.6	480	15.0	15.0	15.0	15.0
Olmsted .....	36	5.6	2 700	3.8	3.8	9	11.8	793	17.9	17.9	17.9	17.9
Otter Tail .....	58	4.4	(D)	(D)	(D)	28	6.1	18 495	24.8	24.8	24.8	24.8
Pennington .....	8	12.7	1 137	19.6	19.6	4	17.3	2 750	18.2	18.2	18.2	18.2
Pine .....	50	4.7	(D)	(D)	(D)	7	11.5	885	13.9	13.9	13.9	13.9
Pipestone .....	16	9.0	16 019	2.4	2.4	6	15.9	(D)	(D)	(D)	(D)	(D)

See footnotes at end of table.

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

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

Geographic area	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)
Polk .....	14	8.7	615	11.8	5	16.3	1 190	15.5
Pope .....	25	6.0	115 793	2	6	12.5	18 078	20.2
Ramsey .....	1	37.3	(D)	(D)	—	—	—	—
Red Lake .....	10	10.3	448	12.4	—	—	—	—
Redwood .....	25	5.7	65 455	5.2	6	8.7	1 100 665	(L)
Renville .....	20	6.0	(D)	(D)	11	8.1	(D)	(D)
Rice .....	54	4.3	(D)	(D)	12	9.3	751	14.1
Rock .....	19	9.3	(D)	(D)	4	—	(D)	(D)
Roseau .....	11	11.8	301	13.2	2	31.8	(D)	(D)
St. Louis .....	44	4.6	(D)	(D)	11	8.3	1 825	5.5
Scott .....	28	7.0	1 399	15.3	10	11.1	714	14.9
Sherburne .....	24	5.2	(D)	(D)	13	6.8	3 432 124	(L)
Sibley .....	40	3.6	2 733 357	(L)	15	6.5	(D)	(D)
Stearns .....	96	2.9	376 038	.8	47	2.0	10 373 830	(L)
Steele .....	23	6.1	96 572	.3	3	20.0	122	17.0
Stevens .....	10	8.3	175 548	3.0	5	6.9	626	3.8
Swift .....	8	13.7	(D)	(D)	6	14.0	1 650	12.2
Todd .....	68	5.3	(D)	(D)	14	9.8	(D)	(D)
Traverse .....	2	23.1	(D)	(D)	1	—	(D)	(D)
Wabasha .....	51	4.3	(D)	(D)	21	5.5	(D)	(D)
Wadena .....	26	7.5	(D)	(D)	3	26.2	1 159	29.6
Waseca .....	19	6.9	(D)	(D)	11	8.5	3 595	33.6
Washington .....	33	5.0	(D)	(D)	11	8.7	(D)	(D)
Watsonwan .....	10	8.6	(D)	(D)	4	12.0	(D)	(D)
Wilkin .....	6	11.6	(D)	(D)	2	14.8	(D)	(D)
Winona .....	47	4.6	2 022	12.1	7	9.3	1 417	21.1
Wright .....	65	3.7	(D)	(D)	15	7.5	(D)	(D)
Yellow Medicine .....	16	7.2	1 089	15.4	4	15.1	885	11.7

Geographic area	Selected crops harvested											
	Corn for grain or seed					Wheat for grain						
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
<b>Minnesota</b> .....	<b>42 961</b>	<b>1.2</b>	<b>6 123 731</b>	<b>.8</b>	<b>669 550 546</b>	<b>.7</b>	<b>12 753</b>	<b>1.2</b>	<b>2 609 161</b>	<b>.6</b>	<b>126 255 763</b>	<b>.5</b>
Aitkin .....	27	6.8	1 318	6.8	94 134	5.1	4	13.2	(D)	(D)	(D)	(D)
Anoka .....	150	2.2	9 891	3.3	822 176	3.1	1	33.9	(D)	(D)	(D)	(D)
Becker .....	188	2.2	16 106	1.9	947 729	1.8	251	2.0	66 644	1.2	2 827 880	1.2
Beltrami .....	24	7.0	1 238	10.5	79 065	14.2	75	5.0	10 869	4.8	452 991	4.8
Benton .....	531	1.7	45 902	1.3	3 805 651	1.2	16	7.5	454	9.7	15 849	9.4
Big Stone .....	333	2.3	55 172	1.7	4 722 639	1.6	326	2.4	56 513	1.7	2 758 882	1.5
Blue Earth .....	892	1.0	166 337	.6	21 927 031	.6	72	2.4	1 583	1.7	64 430	1.5
Brown .....	1 013	2.2	131 810	1.6	16 516 515	1.6	119	3.4	2 795	3.6	119 928	3.7
Carlton .....	3	13.9	(D)	(D)	(D)	(D)	2	17.0	(D)	(D)	(D)	(D)
Carver .....	623	1.2	53 543	1.0	6 649 708	.9	113	2.0	2 661	2.2	106 240	1.9
Cass .....	46	3.3	3 697	3.2	278 640	3.0	4	7.6	737	.6	38 260	.1
Chippewa .....	558	2.3	116 768	1.5	12 540 099	1.4	277	2.7	19 056	2.2	791 611	2.2
Chisago .....	374	1.6	30 026	2.3	2 629 227	2.3	5	11.4	120	13.7	3 767	16.7
Clay .....	234	1.7	31 766	.9	1 974 831	.9	562	1.1	192 755	.5	9 024 845	.5
Cleanwater .....	31	6.9	1 526	7.4	89 170	7.6	117	4.3	8 339	4.8	302 855	5.0
Cook .....	—	—	—	—	—	—	2	7.3	(D)	(D)	(D)	(D)
Cottonwood .....	742	1.2	153 348	.8	18 559 993	.8	54	3.5	880	3.6	34 742	3.2
Crow Wing .....	92	3.2	5 605	2.6	336 065	2.5	—	—	—	—	—	—
Dakota .....	491	.9	83 805	.6	10 096 848	.6	133	1.9	4 021	2.9	140 759	3.1
Dodge .....	530	1.3	102 339	.8	10 547 662	.8	20	3.3	862	2.9	39 570	2.7
Douglas .....	482	2.8	39 624	2.3	2 603 596	2.1	307	2.9	22 051	2.2	868 609	2.2
Faribault .....	867	.8	198 882	.5	27 422 903	.5	36	3.5	668	5.1	33 918	5.3
Fillmore .....	1 135	1.5	143 123	.9	15 781 332	.9	10	8.7	239	8.1	8 021	7.7
Freeborn .....	895	.8	174 055	.6	21 824 999	.5	8	4.8	91	4.6	4 026	4.1
Goodhue .....	1 056	1.2	123 811	.8	13 454 608	.8	44	3.6	1 040	3.3	41 694	2.7
Grant .....	270	1.3	42 935	.9	3 552 805	.9	345	1.3	72 656	.8	3 600 840	.7
Hennepin .....	244	1.7	20 132	2.0	2 264 153	2.1	31	4.4	1 124	4.9	35 955	4.9
Houston .....	706	1.3	56 220	1.2	6 689 493	1.1	12	6.4	307	8.1	10 265	8.3
Hubbard .....	32	3.2	6 159	1.0	457 945	.4	7	7.5	437	6.1	11 834	1.8
Isanti .....	332	1.6	39 057	1.5	3 475 770	1.5	9	9.1	467	6.4	17 582	8.6
Itasca .....	13	7.5	801	13.7	74 850	14.6	1	30.0	(D)	(D)	(D)	(D)
Jackson .....	883	1.3	181 593	1.0	22 178 922	.9	14	6.1	329	4.1	18 036	3.3
Kanabec .....	223	2.1	16 010	2.2	1 233 692	2.2	3	17.0	62	7.1	2 400	8.8
Kandiyohi .....	734	1.2	125 008	.8	12 856 095	.7	183	1.8	7 219	1.7	296 093	1.8
Kittson .....	8	4.7	1 474	2.4	135 970	1.3	349	1.1	227 248	.6	11 844 766	.6
Koochiching .....	4	19.2	500	10.1	22 600	8.5	17	8.1	1 160	6.5	48 704	5.6
Lac qui Parle .....	685	1.7	114 637	1.1	11 318 209	1.1	522	1.6	50 589	1.4	2 212 431	1.4
Lake .....	—	—	—	—	—	—	—	—	—	—	—	—
Lake of the Woods .....	3	15.4	873	13.9	64 304	20.9	55	4.1	11 961	3.1	451 659	2.8

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	Selected crops harvested												
	Corn for grain or seed					Wheat for grain							
	Farms		Acres		Quantity			Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	
Le Sueur	604	1.4	71 588	1.0	9 185 545	1.0	138	2.1	3 777	1.6	163 913	1.5	
Lincoln	509	2.0	69 089	1.6	5 601 058	1.4	198	2.2	8 771	2.2	352 251	2.2	
Lyon	731	1.5	151 049	1.0	16 772 186	.9	197	1.8	9 492	2.4	435 112	2.8	
McLeod	797	1.4	83 617	1.0	10 116 316	1.0	219	1.7	6 669	1.8	287 715	1.8	
Mahnomen	76	4.0	8 118	1.7	550 724	1.5	227	3.1	48 597	1.8	2 060 995	1.8	
Marshall	32	3.4	3 966	4.6	193 683	4.7	762	1.1	344 609	.6	18 723 403	.5	
Martin	965	1.0	195 377	.7	26 909 787	.7	8	9.1	212	4.3	10 313	3.5	
Meeker	757	1.5	105 285	1.0	10 779 761	1.0	171	2.1	6 638	1.6	260 819	1.5	
Mille Lacs	306	1.9	21 724	1.7	1 761 979	1.8	12	6.8	279	7.8	9 968	7.7	
Morrison	960	2.5	61 800	2.1	4 328 585	2.0	29	7.1	722	11.7	22 001	12.1	
Mower	927	1.2	169 180	.7	19 904 673	.7	18	6.3	455	8.6	21 006	10.2	
Murray	754	1.7	146 668	1.2	15 380 906	1.1	68	2.8	1 944	2.9	84 439	3.0	
Nicollet	650	.9	101 849	.5	13 626 154	.5	99	2.1	2 138	2.0	92 118	1.8	
Nobles	987	2.0	171 416	1.5	18 179 183	1.4	32	6.2	799	6.3	29 057	6.4	
Norman	125	1.9	9 554	1.5	464 499	1.4	406	1.0	178 777	.5	8 241 154	.5	
Olmsted	792	1.4	101 911	.9	9 623 962	.9	16	5.9	281	5.8	10 480	5.5	
Otter Tail	1 198	1.4	114 550	1.0	7 608 072	1.0	613	1.6	64 101	1.3	2 877 089	1.2	
Pennington	23	3.7	1 678	1.9	83 668	2.0	332	1.5	103 908	1.2	5 012 010	1.1	
Pine	245	2.0	14 409	1.7	1 141 328	1.6	11	8.4	416	9.2	13 872	10.1	
Pipestone	552	2.6	85 421	1.9	7 176 646	1.9	40	4.4	1 122	3.9	40 119	3.7	
Polk	191	1.5	27 330	.5	1 766 902	.5	957	.9	437 837	4	21 799 164	.4	
Pope	518	1.6	79 404	1.2	6 832 747	1.1	291	1.7	21 976	1.6	949 546	1.5	
Ramsey	5	13.3	370	11.3	23 370	13.9	-	-	-	-	-	-	
Red Lake	64	3.3	4 542	3.0	239 727	3.2	212	1.8	55 402	1.2	2 686 599	1.2	
Redwood	1 066	1.3	198 082	.9	24 177 244	.8	195	1.8	5 798	1.5	268 975	1.5	
Renville	1 075	1.2	214 456	.7	25 789 584	.7	353	1.6	13 121	1.3	595 054	1.2	
Rice	696	1.5	85 536	.9	10 128 712	.9	85	2.7	1 635	2.6	59 645	2.3	
Rock	627	2.2	105 935	1.5	10 880 880	1.5	4	17.2	68	28.8	3 088	30.6	
Roseau	22	4.0	2 347	3.1	157 334	3.7	518	1.9	150 202	1.2	6 407 640	1.2	
St. Louis	3	19.6	(D)	(D)	(D)	(D)	15	7.4	315	11.1	9 838	12.3	
Scott	472	2.3	40 608	1.8	4 710 617	1.8	100	3.7	2 250	4.4	81 769	4.3	
Sherburne	232	1.6	29 096	1.0	2 959 163	1.0	16	6.3	726	7.0	19 277	5.1	
Sibley	830	1.1	112 658	.7	14 352 739	.7	175	1.9	4 633	2.3	209 179	2.2	
Stearns	2 076	1.6	157 573	1.2	13 970 827	1.1	131	2.6	5 571	2.2	217 751	2.0	
Steele	594	1.2	98 754	.7	11 246 843	.7	30	4.7	1 128	4.0	56 079	4.5	
Stevens	367	1.2	83 256	.7	8 153 596	.6	364	1.3	54 543	1.1	2 786 925	1.1	
Swift	617	2.1	138 196	1.3	13 542 095	1.2	366	2.4	32 234	2.1	1 356 471	2.2	
Todd	924	2.8	56 342	2.5	3 604 383	2.5	61	5.0	3 284	6.5	105 069	4.4	
Traverse	238	1.4	47 255	.8	4 795 262	.8	300	1.2	94 217	.8	5 014 639	.7	
Wabasha	651	1.7	62 457	1.1	5 970 116	1.2	23	5.7	461	6.4	12 838	6.9	
Wadena	211	3.3	16 085	3.1	1 010 768	3.0	12	10.3	966	22.9	28 657	20.0	
Waseca	623	1.2	110 971	.9	14 172 072	.8	50	2.9	1 423	1.6	59 564	1.9	
Washington	228	1.6	26 449	1.4	3 002 850	1.3	18	5.5	829	3.7	33 601	3.8	
Watsonwan	582	1.4	114 341	.9	15 719 246	.9	14	3.0	615	1.6	22 567	1.3	
Wilkin	153	1.6	28 322	1.0	2 067 705	.8	372	.9	149 169	.5	7 597 574	.4	
Winona	772	1.1	72 869	.9	7 871 786	.8	14	6.1	303	2.7	11 540	2.4	
Wright	919	1.7	75 558	1.3	8 276 200	1.3	73	3.3	2 483	3.8	100 472	4.1	
Yellow Medicine	761	1.4	151 342	1.0	16 690 914	.9	302	1.5	18 125	1.3	777 723	1.4	

Selected crops harvested — Con.

Geographic area	Selected crops harvested — Con.											
	Barley for grain					Oats for grain						
	Farms		Acres		Quantity			Farms		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)
<b>Minnesota</b>	<b>5 216</b>	<b>1.2</b>	<b>592 914</b>	<b>.6</b>	<b>42 514 551</b>	<b>.6</b>	<b>16 658</b>	<b>1.4</b>	<b>465 846</b>	<b>1.3</b>	<b>29 142 473</b>	<b>1.2</b>
Aitkin	8	12.0	526	6.3	35 575	4.9	66	4.7	2 033	6.0	93 326	6.5
Anoka	1	-	(D)	(D)	(D)	(D)	19	5.9	227	4.5	15 042	4.1
Becker	190	2.1	26 872	1.4	1 765 703	1.5	205	2.4	8 319	2.8	511 873	2.5
Beltrami	61	4.6	3 830	4.9	206 414	4.6	184	3.5	8 063	4.5	414 762	4.5
Benton	29	4.6	615	5.5	22 230	4.2	256	2.1	6 624	1.9	358 724	1.9
Big Stone	12	5.8	895	3.3	68 065	2.9	69	4.6	1 960	5.3	136 705	5.3
Blue Earth	6	7.4	60	5.5	4 090	3.2	100	2.2	1 428	2.7	104 275	2.9
Brown	4	17.0	52	19.9	4 360	21.3	301	2.6	5 306	2.2	368 908	2.3
Carlton	8	7.9	191	8.8	4 722	9.2	64	3.1	1 076	3.6	42 902	3.7
Carver	5	9.8	127	11.4	11 124	11.0	291	1.5	5 473	1.4	376 425	1.3
Cass	5	5.9	443	3.5	21 490	2.1	49	3.8	1 142	4.6	47 793	4.6
Chippewa	8	12.1	183	13.0	11 298	11.5	77	4.1	1 855	4.4	168 362	4.0
Chisago	2	21.9	(D)	(D)	(D)	(D)	126	2.6	2 039	2.9	108 540	3.1
Clay	317	1.2	48 050	.7	3 442 773	.6	78	3.2	3 692	3.7	238 506	3.4
Clearwater	88	5.0	4 415	6.7	207 792	6.7	182	3.9	7 346	4.4	375 995	4.4
Cook	-	-	-	-	-	-	2	7.3	(D)	(D)	(D)	(D)
Cottonwood	2	24.2	(D)	(D)	(D)	(D)	100	2.3	1 831	2.4	136 579	2.3
Crow Wing	11	9.3	362	11.5	16 518	11.2	105	2.9	2 721	2.7	131 271	2.5
Dakota	9	8.9	312	8.9	14 630	9.4	132	2.0	2 879	2.4	163 475	2.5

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	Selected crops harvested — Con.											
	Barley for grain					Oats for grain						
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Dodge .....	6	9.6	114	3.6	4 778	3.8	160	2.0	3 362	1.9	212 233	1.9
Douglas .....	96	4.3	3 410	4.1	201 434	4.2	364	3.2	15 097	3.4	997 747	3.3
Fairbault .....	2	14.3	(D)	(D)	(D)	(D)	114	2.1	1 998	2.3	166 130	2.2
Fillmore .....	34	4.2	813	4.3	44 737	3.9	583	1.6	13 239	1.4	761 182	1.3
Freeborn .....	7	9.0	106	10.3	6 677	9.7	181	1.7	2 962	1.7	203 811	1.7
Goodhue .....	53	3.3	1 127	3.1	58 236	3.1	433	1.4	11 102	1.6	696 709	1.8
Grant .....	107	2.1	12 181	1.2	828 968	1.2	44	3.6	1 167	4.3	87 472	3.8
Hennepin .....	6	5.2	188	5.7	9 560	1.8	95	2.7	1 537	3.1	81 398	2.6
Houston .....	19	5.1	331	1.3	19 052	7.7	381	1.6	7 931	1.4	450 527	1.5
Hubbard .....	27	4.7	1 403	4.3	57 588	3.4	68	2.9	2 060	2.9	103 024	2.4
Isanti .....	2	15.4	(D)	(D)	(D)	(D)	62	3.8	1 354	3.1	85 578	3.3
Itasca .....	15	6.7	503	6.4	21 257	8.2	70	3.3	1 711	4.5	73 396	4.6
Jackson .....	1	—	(D)	(D)	(D)	(D)	79	2.7	1 548	3.2	118 920	2.7
Kanabec .....	8	9.9	270	5.6	14 410	4.3	122	2.8	2 552	3.5	132 729	3.1
Kandiyohi .....	13	6.8	487	7.8	22 615	8.4	216	2.0	6 399	2.0	401 304	1.9
Kittson .....	188	1.5	32 077	.9	2 254 940	.8	59	3.6	5 635	3.6	342 566	3.7
Koochiching .....	13	8.0	561	7.9	28 470	8.1	41	4.8	1 453	6.8	75 728	8.1
Lac qui Parle .....	2	—	(D)	(D)	(D)	(D)	73	3.3	1 642	3.7	100 114	3.6
Lake .....	—	—	—	—	—	—	4	16.5	(D)	(D)	(D)	(D)
Lake of the Woods .....	36	5.0	3 416	3.3	181 938	3.8	49	4.8	2 107	5.3	98 707	5.3
Le Sueur .....	6	9.9	112	8.8	4 810	6.3	141	2.3	2 185	2.5	141 326	2.5
Lincoln .....	16	7.3	293	9.2	13 978	11.7	186	2.6	4 710	2.7	288 730	2.7
Lyon .....	9	9.7	370	19.7	12 132	9.3	205	1.9	4 762	1.6	388 663	1.6
McLeod .....	5	12.3	68	14.4	4 255	12.2	324	1.7	6 879	1.8	484 260	1.7
Mahnomen .....	196	3.2	36 754	2.2	2 515 118	2.0	55	5.6	2 470	9.7	145 681	12.0
Marshall .....	424	1.2	60 179	.8	4 829 029	.8	175	2.2	10 572	2.6	736 594	2.8
Martin .....	—	—	—	—	—	—	123	2.1	2 311	2.5	182 902	3.2
Meeker .....	22	4.8	787	6.2	47 362	5.9	179	2.2	4 610	2.0	295 564	2.2
Mille Lacs .....	10	8.1	277	7.6	17 740	8.1	171	2.5	3 423	3.1	184 639	2.6
Morrison .....	76	4.3	1 898	5.0	104 571	5.5	494	2.9	11 000	2.9	637 610	3.0
Mower .....	5	14.0	50	14.0	4 250	14.2	224	1.7	5 247	1.9	297 459	1.9
Murray .....	4	8.1	107	7.5	6 924	9.3	224	1.8	5 234	1.7	401 499	1.5
Nicollet .....	3	9.7	40	12.4	3 015	15.6	158	1.5	2 847	1.4	226 597	1.4
Nobles .....	1	—	(D)	(D)	(D)	(D)	221	2.7	4 372	2.5	329 103	2.5
Norman .....	353	1.0	71 748	.6	5 444 847	.6	69	3.2	3 165	2.7	233 649	2.5
Olmsted .....	16	7.0	238	7.1	7 707	10.3	383	1.6	9 527	1.5	506 270	1.4
Otter Tail .....	321	1.9	15 124	1.9	906 994	2.0	966	1.6	39 800	1.6	2 493 166	1.5
Pennington .....	224	1.8	34 183	1.1	2 614 567	1.1	124	2.5	8 428	2.5	588 927	2.5
Pine .....	14	7.0	469	7.1	19 695	7.6	229	2.1	4 820	2.2	242 237	2.3
Pipestone .....	5	14.0	169	16.6	11 675	16.6	248	2.9	6 661	2.9	434 407	3.2
Polk .....	658	.9	111 682	.6	8 628 533	.6	109	2.7	6 945	3.5	434 713	2.3
Pope .....	35	4.4	1 039	4.1	66 810	4.3	234	2.1	9 082	2.5	543 231	2.3
Ramsey .....	—	—	—	—	—	—	—	—	—	—	—	—
Red Lake .....	151	2.0	20 712	1.4	1 574 804	1.5	83	3.0	5 201	3.0	366 283	3.1
Redwood .....	5	9.6	174	12.3	13 924	10.0	174	1.7	2 822	1.5	233 112	1.5
Renville .....	2	15.8	(D)	(D)	(D)	(D)	168	2.0	3 607	1.6	260 805	1.9
Rice .....	8	8.7	129	6.2	7 169	6.5	241	1.9	4 344	2.2	252 179	2.0
Rock .....	7	9.8	334	18.5	25 820	16.0	141	3.1	2 816	3.2	204 785	3.2
Roseau .....	270	2.0	33 360	1.5	2 004 090	1.4	210	2.4	11 700	2.2	712 399	2.2
St. Louis .....	32	4.8	673	4.5	32 275	4.3	123	2.7	2 696	3.1	140 108	3.3
Scott .....	5	16.7	66	19.0	2 580	23.3	171	3.0	3 378	3.2	189 758	3.8
Sherburne .....	3	15.1	80	11.3	3 000	15.1	52	3.7	1 396	4.5	81 769	5.1
Sibley .....	5	11.2	76	9.9	5 715	7.1	238	1.8	4 222	1.7	309 892	1.7
Stearns .....	185	2.1	5 276	2.8	286 522	2.6	1 375	1.7	42 065	1.6	2 736 310	1.6
Steele .....	7	10.7	124	12.7	6 920	14.8	203	1.7	4 390	1.6	281 149	1.6
Stevens .....	60	3.3	3 978	3.0	271 699	2.7	32	3.4	1 258	3.5	116 711	3.0
Swift .....	19	7.9	540	6.6	29 981	4.8	91	3.9	2 463	4.2	173 257	4.1
Todd .....	187	3.4	6 295	3.3	355 643	3.3	679	3.0	18 871	3.1	1 126 550	3.1
Traverse .....	111	2.0	12 499	1.5	991 143	1.3	36	4.1	2 511	2.8	205 515	2.9
Wabasha .....	47	3.9	1 259	5.2	56 518	5.2	390	1.8	10 722	1.4	602 508	1.3
Wadena .....	52	5.4	1 777	4.4	99 533	4.1	182	3.7	5 342	4.2	270 187	4.2
Waseca .....	—	—	—	—	—	—	102	2.2	1 456	2.0	96 794	2.1
Washington .....	3	12.8	63	11.6	3 680	11.9	94	2.7	1 854	2.9	82 920	3.3
Watsonwan .....	—	—	—	—	—	—	79	2.6	1 340	2.4	84 175	2.4
Wilkin .....	187	1.4	23 888	.9	1 774 497	.8	36	3.8	1 593	5.1	118 587	4.2
Winona .....	33	4.8	782	5.2	36 732	5.1	461	1.5	12 084	1.4	697 209	1.5
Wright .....	25	3.9	655	2.8	38 622	2.2	368	1.9	7 337	1.6	413 907	1.7
Yellow Medicine .....	8	6.3	212	11.7	16 355	13.7	83	2.3	2 380	3.4	181 739	3.8

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	Selected crops harvested — Con.											
	Sunflower seed					Soybeans for beans						
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Pounds	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
<b>Minnesota</b>	<b>1 131</b>	<b>1.0</b>	<b>202 025</b>	<b>.5</b>	<b>278 550 934</b>	<b>.5</b>	<b>33 581</b>	<b>1.2</b>	<b>5 078 066</b>	<b>.8</b>	<b>162 137 215</b>	<b>.7</b>
Aitkin	—	—	—	—	—	—	2	—	(D)	(D)	(D)	(D)
Anoka	—	—	—	—	—	—	69	3.1	3 675	4.7	70 780	5.6
Becker	25	4.6	5 938	1.9	9 996 649	1.6	137	2.3	33 631	1.1	705 141	1.3
Beltrami	7	10.0	760	7.3	914 602	5.6	—	—	—	—	—	—
Benton	—	—	—	—	—	—	158	2.3	10 665	2.2	232 999	2.3
Big Stone	5	9.8	1 905	2.7	3 170 000	2.3	357	2.3	87 387	1.6	2 433 645	1.5
Blue Earth	—	—	—	—	—	—	889	1.0	151 209	.7	5 719 789	.7
Brown	—	—	—	—	—	—	998	2.1	124 591	1.7	4 597 821	1.7
Carlton	1	33.4	(D)	(D)	(D)	(D)	1	24.1	(D)	(D)	(D)	(D)
Carver	—	—	—	—	—	—	390	1.4	29 793	1.2	1 092 842	1.2
Cass	1	—	(D)	(D)	(D)	(D)	6	8.3	921	.5	18 523	.2
Chippewa	—	—	—	—	—	—	567	2.3	116 346	1.6	3 469 553	1.6
Chisago	—	—	—	—	—	—	247	2.0	16 606	2.8	327 007	2.9
Clay	62	3.4	9 065	3.5	13 813 008	2.6	415	1.2	78 898	.9	1 972 193	.9
Clearwater	12	10.9	2 054	3.7	1 214 916	4.7	11	11.7	983	5.4	16 240	4.6
Cook	—	—	—	—	—	—	—	—	—	—	—	—
Cottonwood	—	—	—	—	—	—	729	1.2	148 913	.8	5 444 844	.8
Crow Wing	1	38.6	(D)	(D)	(D)	(D)	6	9.9	538	3.7	15 255	1.6
Dakota	—	—	—	—	—	—	462	1.0	53 334	.8	1 819 003	.8
Dodge	—	—	—	—	—	—	465	1.4	71 705	.8	2 256 672	.8
Douglas	3	16.1	164	8.8	250 000	5.8	393	2.8	37 010	2.3	753 570	2.2
Faribault	—	—	—	—	—	—	802	.8	143 216	.5	5 514 769	.5
Fillmore	—	—	—	—	—	—	601	1.7	44 347	1.3	1 394 678	1.2
Freeborn	—	—	—	—	—	—	812	.8	116 290	.6	4 127 269	.6
Goodhue	—	—	—	—	—	—	678	1.3	56 456	.9	1 761 888	.9
Grant	3	11.2	364	2.8	546 000	2.8	349	1.3	86 002	.8	2 388 999	.8
Hennepin	—	—	—	—	—	—	142	2.4	12 360	2.9	389 166	3.1
Houston	—	—	—	—	—	—	180	2.1	8 995	2.2	326 733	2.0
Hubbard	4	12.5	(D)	(D)	(D)	(D)	1	—	(D)	(D)	(D)	(D)
Isanti	—	—	—	—	—	—	269	1.8	22 719	1.8	424 178	1.6
Itasca	—	—	—	—	—	—	9	8.5	534	13.3	5 605	13.9
Jackson	2	—	(D)	(D)	(D)	(D)	835	1.3	163 039	.9	5 611 307	.9
Kanabec	—	—	—	—	—	—	75	3.5	4 743	4.0	112 945	4.2
Kandiyohi	2	—	(D)	(D)	(D)	(D)	661	1.2	93 643	.9	2 767 376	.9
Kittson	68	2.2	16 354	1.0	15 244 082	1.1	4	—	438	—	(D)	(D)
Koochiching	1	—	(D)	(D)	(D)	(D)	—	—	—	—	—	—
Lac qui Parle	—	—	—	—	—	—	697	1.6	144 515	1.1	3 973 446	1.1
Lake	—	—	—	—	—	—	—	—	—	—	—	—
Lake of the Woods	2	—	(D)	(D)	(D)	(D)	9	10.2	1 395	10.4	33 813	13.1
Le Sueur	—	—	—	—	—	—	574	1.5	65 897	1.0	2 447 537	1.0
Lincoln	—	—	—	—	—	—	498	2.0	69 386	1.6	1 626 316	1.5
Lyon	3	16.9	90	21.5	(D)	(D)	731	1.5	140 841	1.0	4 868 127	1.0
McLeod	—	—	—	—	—	—	739	1.5	84 030	1.2	2 809 916	1.2
Mahnomen	18	4.8	3 884	1.9	6 295 355	1.6	81	3.4	11 807	2.0	283 335	1.9
Marshall	161	1.8	27 966	1.4	34 390 293	1.2	60	2.3	7 053	1.2	124 413	1.2
Martin	—	—	—	—	—	—	908	1.0	162 594	.7	6 078 273	.7
Meeker	—	—	—	—	—	—	654	1.5	84 387	1.1	2 491 993	1.1
Mille Lacs	2	16.6	(D)	(D)	(D)	(D)	116	2.7	7 446	2.7	150 486	2.8
Morrison	7	12.4	391	2.9	549 439	2.0	112	4.2	6 211	4.6	113 716	5.2
Mower	—	—	—	—	—	—	899	1.2	134 570	.8	4 551 320	.8
Murray	—	—	—	—	—	—	729	1.7	143 273	1.1	4 709 278	1.1
Nicollet	—	—	—	—	—	—	641	.9	89 541	.6	3 591 829	.6
Nobles	1	47.1	(D)	(D)	(D)	(D)	979	2.1	161 813	1.6	4 813 908	1.5
Norman	91	2.0	14 889	1.1	23 861 173	.9	255	1.2	37 857	.7	1 020 056	.7
Olmsted	1	—	(D)	(D)	(D)	(D)	546	1.5	40 497	1.3	1 039 193	1.2
Otter Tail	38	4.0	2 124	2.6	3 555 113	2.6	481	1.7	68 249	1.2	1 614 779	1.2
Pennington	102	2.0	18 038	1.0	24 137 612	1.4	13	4.5	1 405	3.9	27 856	1.9
Pine	1	37.8	(D)	(D)	(D)	(D)	85	3.0	5 291	2.0	125 098	2.0
Pipestone	—	—	—	—	—	—	544	2.6	75 713	2.1	1 882 129	2.0
Polk	210	1.5	35 653	1.0	57 746 499	1.0	194	1.7	22 651	1.2	515 814	1.1
Pope	2	—	(D)	(D)	(D)	(D)	449	1.7	57 451	1.3	1 471 060	1.3
Ramsey	—	—	—	—	—	—	—	—	—	—	—	—
Red Lake	62	2.5	10 699	1.4	12 919 490	1.4	23	5.4	1 769	3.8	31 582	4.2
Redwood	—	—	—	—	—	—	1 056	1.2	203 436	.9	7 259 182	.9
Renville	3	—	143	—	225 100	—	1 087	1.2	225 373	.7	7 445 659	.7
Rice	—	—	—	—	—	—	545	1.5	46 741	1.1	1 613 696	1.1
Rock	—	—	—	—	—	—	580	2.2	87 689	1.6	2 687 599	1.6
Roseau	94	2.1	25 856	1.0	27 695 723	1.0	12	6.0	1 568	3.0	16 044	2.1
St. Louis	—	—	—	—	—	—	—	—	—	—	—	—
Scott	—	—	—	—	—	—	379	2.4	28 207	2.3	960 460	2.4
Sherburne	1	31.6	(D)	(D)	(D)	(D)	148	2.0	15 666	1.4	362 046	1.3
Sibley	1	32.3	(D)	(D)	(D)	(D)	797	1.1	110 261	.8	4 006 081	.8
Stearns	1	—	(D)	(D)	(D)	(D)	631	1.5	46 304	1.3	1 205 976	1.2
Steele	—	—	—	—	—	—	512	1.2	61 943	.9	2 126 896	.9
Stevens	9	6.6	993	3.3	1 355 783	3.5	399	1.3	96 756	.8	2 963 145	.8
Swift	2	24.3	(D)	(D)	(D)	(D)	625	2.1	131 968	1.4	3 736 700	1.4
Todd	6	11.6	221	6.3	399 250	5.0	182	3.3	9 605	3.9	186 371	3.9
Traverse	14	3.6	3 314	.5	5 086 306	.7	335	1.1	113 073	.8	3 380 213	.7
Wabasha	—	—	—	—	—	—	284	1.9	17 732	1.7	465 908	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	Selected crops harvested — Con.											
	Sunflower seed					Soybeans for beans						
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Pounds	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Wadena .....	7	13.3	314	6.6	496 604	4.7	4	12.3	191	12.9	2 403	16.4
Waseca .....	—	—	—	—	—	—	568	1.2	72 629	9	2 710 861	9
Washington .....	3	16.8	(D)	(D)	(D)	(D)	127	2.1	14 141	1.6	423 290	1.6
Watonwan .....	—	—	—	—	—	—	562	1.3	102 092	9	3 988 897	9
Wilkin .....	90	1.7	18 731	.9	32 480 680	.9	351	1.0	115 786	.5	3 182 532	.5
Winona .....	1	44.8	(D)	(D)	(D)	(D)	237	1.7	12 297	1.6	363 060	1.5
Wright .....	1	—	(D)	(D)	(D)	(D)	663	1.7	60 791	1.5	1 838 384	1.5
Yellow Medicine .....	—	—	—	—	—	—	760	1.4	158 904	1.0	5 029 298	1.0

Geographic area	Selected crops harvested — Con.						
	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)						
	Farms		Acres		Quantity		
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)	
<b>Minnesota</b> .....	<b>38 336</b>	<b>1.3</b>	<b>2 098 145</b>	<b>1.2</b>	<b>5 082 391</b>	<b>1.1</b>	
Aitkin .....	489	1.8	48 510	2.4	68 323	2.7	
Anoka .....	240	1.7	8 062	1.8	17 044	2.0	
Becker .....	704	1.6	50 275	1.7	110 682	1.9	
Beltrami .....	519	2.5	51 639	2.9	91 550	3.1	
Benton .....	573	1.6	27 891	1.4	65 769	1.5	
Big Stone .....	152	3.1	5 709	3.1	16 213	3.2	
Blue Earth .....	248	1.6	4 832	2.0	12 605	2.8	
Brown .....	468	2.3	15 289	2.1	49 028	2.2	
Carlton .....	453	1.2	37 985	1.4	60 400	1.6	
Carver .....	608	1.3	28 495	1.1	93 996	1.1	
Cass .....	470	1.7	49 741	1.9	74 844	2.1	
Chippewa .....	128	3.7	3 416	5.1	10 056	5.8	
Chisago .....	471	1.5	17 054	1.8	40 652	1.9	
Clay .....	286	1.6	20 084	1.8	47 045	1.5	
Clearwater .....	460	3.0	45 412	3.3	82 330	3.4	
Cook .....	6	2.4	612	5.2	770	5.9	
Cottonwood .....	281	1.6	7 855	2.3	26 393	2.0	
Crow Wing .....	368	1.8	26 941	2.2	42 292	2.3	
Dakota .....	405	1.1	14 586	1.1	47 186	1.3	
Dodge .....	316	1.5	14 419	1.4	37 334	1.5	
Douglas .....	630	2.7	32 972	2.6	87 184	2.5	
Faribault .....	203	1.7	5 012	1.5	12 426	1.7	
Fillmore .....	983	1.5	51 474	1.3	155 404	1.4	
Freeborn .....	355	1.3	8 812	1.3	22 386	1.3	
Goodhue .....	986	1.2	52 426	.9	154 665	.9	
Grant .....	141	2.0	5 583	1.7	17 023	1.7	
Hennepin .....	389	1.5	13 912	2.2	37 543	2.1	
Houston .....	713	1.3	45 354	1.3	146 379	1.3	
Hubbard .....	279	1.4	17 790	1.7	21 198	2.1	
Isanti .....	350	1.6	11 003	1.6	27 790	1.8	
Itasca .....	340	1.3	33 459	1.8	40 693	1.8	
Jackson .....	221	2.0	4 584	2.4	11 673	2.4	
Kanabec .....	487	1.6	29 398	1.8	58 596	1.9	
Kandiyohi .....	517	1.4	27 298	1.5	97 892	1.4	
Kittson .....	172	2.1	16 174	2.8	31 384	2.8	
Koochiching .....	154	1.9	15 781	2.9	22 784	3.4	
Lac qui Parle .....	239	2.2	9 624	1.7	26 320	1.8	
Lake .....	30	3.0	934	3.7	1 291	4.2	
Lake of the Woods .....	100	3.0	13 136	5.2	19 866	6.5	
Le Sueur .....	366	1.6	10 116	1.5	29 785	1.4	
Lincoln .....	357	2.1	13 803	1.8	39 314	1.7	
Lyon .....	380	1.6	11 447	1.4	38 704	1.3	
McLeod .....	608	1.4	21 498	1.3	72 745	1.3	
Mahnomen .....	209	3.1	15 019	4.7	37 429	4.9	
Marshall .....	338	1.7	24 897	2.1	52 414	2.1	
Martin .....	203	1.7	4 902	1.4	13 359	1.4	
Meecker .....	466	1.5	18 800	1.5	56 635	1.5	
Mille Lacs .....	551	1.7	28 347	2.1	59 767	2.1	
Morrison .....	1 333	2.4	75 418	2.3	166 574	2.3	
Mower .....	381	1.3	11 186	1.4	30 036	1.3	
Murray .....	385	1.6	12 665	1.4	38 648	1.2	
Nicollet .....	264	1.3	9 273	1.0	30 450	1.3	
Nobles .....	451	2.3	13 184	2.1	40 327	2.0	
Norman .....	200	1.6	11 108	1.9	31 888	2.1	
Olmsted .....	716	1.3	31 005	1.2	86 099	1.3	
Otter Tail .....	1 735	1.4	119 409	1.3	303 839	1.3	
Pennington .....	215	1.8	18 626	2.0	43 247	2.1	
Pine .....	806	1.5	60 292	1.6	108 773	1.5	
Pipestone .....	388	2.9	15 398	2.9	44 963	2.9	

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	Selected crops harvested —Con.					
	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Polk .....	410	1.6	34 219	1.5	73 810	1.5
Pope .....	471	1.8	24 235	1.8	65 968	1.8
Ramsey .....	9	6.9	321	6.8	388	10.5
Red Lake .....	177	2.0	15 174	2.2	37 076	2.6
Redwood .....	315	1.5	8 289	1.6	26 986	1.6
Renville .....	254	1.9	6 708	1.9	23 099	2.1
Rice .....	606	1.4	21 521	1.4	58 409	1.5
Rock .....	386	2.5	12 718	2.1	38 972	2.3
Roseau .....	447	1.9	56 793	1.5	118 725	1.6
St. Louis .....	535	1.6	53 096	1.8	69 055	2.0
Scott .....	480	2.1	17 867	2.0	52 902	2.3
Sherburne .....	279	1.6	9 184	2.3	21 510	2.4
Sibley .....	443	1.3	15 200	1.6	55 101	1.3
Stearns .....	2 169	1.5	113 175	1.5	324 856	1.5
Steele .....	339	1.5	11 824	2.3	29 939	1.6
Stevens .....	131	2.0	5 165	4.4	16 581	4.3
Swift .....	246	2.8	10 020	2.7	29 733	2.8
Todd .....	1 324	2.6	74 780	2.6	184 930	2.6
Traverse .....	83	2.7	3 370	2.8	10 131	2.5
Wabasha .....	663	1.6	41 841	1.2	94 441	1.2
Wadena .....	446	2.7	31 403	3.1	61 816	3.1
Waseca .....	254	1.5	6 537	1.6	18 107	1.6
Washington .....	362	1.3	13 952	1.4	33 919	1.6
Watonwan .....	152	2.4	2 475	3.2	7 374	3.3
Wilkin .....	84	2.5	5 292	4.7	12 700	3.1
Winona .....	810	1.1	58 188	1.0	170 835	1.0
Wright .....	960	1.6	37 548	1.6	108 236	1.6
Yellow Medicine .....	215	1.9	7 324	1.9	24 787	2.1

<sup>1</sup>Data are based on a sample of farms.

**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		Not on mail list <sup>1</sup>		Percent not on mail list <sup>1</sup>	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	Total (percent)	Standard error of percent
Farms ----- number--	75 079	1.2	5 067	26.0	6.3	1.5
Land in farms ----- acres --	25 666 944	.9	500 477	42.7	1.9	.8
Average size of farm ----- acres --	341.9	1.5	98.8	43.2	(X)	(X)
<b>Farms by size:</b>						
Less than 10 acres -----	3 517	1.4	1 216	55.5	25.7	10.6
10 to 49 acres -----	8 927	1.4	1 761	42.3	16.5	5.7
Less than 50 acres -----	12 444	1.3	2 976	35.3	19.3	5.4
50 acres or more -----	62 635	1.3	2 090	30.6	3.2	1.0
50 to 99 acres -----	8 096	1.5	1 590	35.9	16.4	5.0
100 to 179 acres -----	12 871	1.6	221	70.8	1.7	1.2
180 acres or more -----	41 668	1.2	279	52.3	.7	.3
Harvested cropland ----- farms --	66 549	1.2	3 919	28.9	5.6	1.5
acres--	18 201 061	.8	151 623	30.1	.8	.2
<b>Farms by value of sales:</b>						
Less than \$1,000 -----	5 054	1.5	1 244	54.5	19.8	8.6
\$1,000 to \$2,499 -----	4 671	1.6	1 878	40.7	28.7	8.3
Less than \$2,500 -----	9 725	1.5	3 123	34.6	24.3	6.3
\$2,500 or more -----	65 354	1.3	1 944	33.4	2.9	.9
\$2,500 to \$9,999 -----	12 415	1.6	870	43.0	6.5	2.6
\$10,000 or more -----	52 939	1.3	1 074	41.8	2.0	.8
Market value of agricultural products sold -----\$1,000 --	6 477 004	.6	39 136	38.2	.6	.4
<b>Farms by standard industrial classification:</b>						
Crops (01) -----	37 873	1.2	2 859	30.3	7.0	2.0
Livestock (02) -----	37 206	1.3	2 208	38.9	5.6	2.0
<b>Farms by type of organization:</b>						
Individual or family -----	66 068	1.3	4 763	26.6	6.7	1.6
Partnership or corporation -----	8 782	1.2	304	71.3	3.3	2.3
Other -----	229	2.5	--	(X)	--	(X)
<b>Farms by tenure of operator:</b>						
Full owners -----	38 301	1.3	2 656	35.4	6.5	2.1
Part owners and tenants -----	36 778	1.2	789	49.8	2.1	1.0
Part owners -----	28 364	1.0	199	99.8	.7	.7
Tenants -----	8 414	1.8	590	57.4	6.6	3.5
<b>Operators by place of residence:</b>						
On farm operated -----	60 207	1.2	2 517	37.3	4.0	1.4
Not on farm operated -----	9 720	1.6	429	62.6	4.2	2.5
Not reported -----	5 152	1.1	2 120	33.7	29.2	6.9
<b>Operators by principal occupation:</b>						
Farming -----	51 021	1.2	655	47.9	1.3	.6
Other -----	24 058	1.4	2 790	35.8	10.4	3.3
<b>Operators by sex:</b>						
Male -----	72 148	1.2	4 920	26.5	6.4	1.6
Female -----	2 931	1.4	147	(H)	4.8	4.6
<b>Operators by race:</b>						
White -----	74 965	1.2	3 445	31.0	4.4	1.3
Black and other races -----	114	3.1	--	(X)	--	(X)
<b>Operators by years on present farm:</b>						
4 years or less -----	7 162	2.1	1 154	50.3	13.9	6.0
5 years or more -----	56 750	1.2	1 546	44.8	2.7	1.2
Average years on present farm -----	20.6	1.7	5.8	35.9	(X)	(X)
Not reported -----	11 167	1.2	2 367	33.0	17.5	4.6
Average age of operator -----	49.6	1.7	38.4	29.3	(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.

<sup>1</sup>Estimates are based on a sample survey conducted independently of census data collection.