

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
Farmsnumber. .	10.9
Land in farms.....acres. .	2.3
Estimated market value of land and buildings ¹\$1,000. .	2.8
Market value of agricultural products sold ..\$1,000. .	2.5
Harvested croplandacres. .	3.4
Corn for grain or seedacres. .	1.7
Wheat for grainacres. .	3.2
Livestock and poultry inventory:	
Cattle and calvesnumber. .	2.8
Hogs and pigsnumber. .	2.4
Hens and pullets of laying age.....number. .	.7

¹Data are based on a sample of farms.

Sample Estimation

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

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

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

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

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

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

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

CENSUS SAMPLING ERROR

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

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

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

1. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average value of all possible samples.
2. Approximately 95 percent of the intervals from 1.96 standard errors below the estimate to 1.96 standard errors above the estimate would include the average value of all possible samples.

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

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

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

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

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

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

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

Farms	Relative standard error of estimate (percent)
COMPLETE COUNT ITEM	
Number of farms reporting:	
25	5.5
50	3.5
75	2.5
100	1.8
1505
2004
3004
5003
7502
1,0002
1,500	(X)
2,000	(X)
SAMPLE COUNT ITEM	
Number of farms reporting:	
25	23.0
50	18.0
75	16.0
100	14.8
150	13.6
200	13.0
300	12.3
500	11.7
750	11.4
1,000	11.3
1,500	(X)
2,000	(X)

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

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

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

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

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

CENSUS NONSAMPLING ERROR

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

Census Coverage

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

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

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

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

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

Mail List Coverage

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

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

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

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

Respondent and Enumerator Error

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

Item Nonresponse

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

Processing Error

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

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

Classification Error

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

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

EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

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

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

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

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

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

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

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

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

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

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

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

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
FARMS AND LAND IN FARMS			FARM PRODUCTION EXPENSES¹		
Farms -----number--	22 821	.9	Total farm production expenses ----- farms --	22 824	.9
Land in farms -----acres--	59 642 536	.2	----- \$1,000--	1 399 200	.5
Average size of farm -----acres--	2 613	.9	Average per farm -----dollars--	61 304	1.0
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			Livestock and poultry purchased ----- farms --		
Total sales (see text) ----- farms --	22 821	.9	----- \$1,000--	191 132	.8
----- \$1,000--	1 730 237	.3	Feed for livestock and poultry ----- farms --	13 555	1.3
Average per farm -----dollars--	75 818	.9	----- \$1,000--	142 789	.8
Farms by value of sales:			Commercially mixed formula feeds ----- farms --	5 181	2.4
Less than \$1,000 (see text) ----- farms --	2 408	1.5	----- \$1,000--	30 786	1.4
----- \$1,000--	432	2.0	Seeds, bulbs, plants, and trees ----- farms --	9 376	1.6
\$1,000 to \$2,499 ----- farms --	1 665	1.7	----- \$1,000--	28 625	1.2
----- \$1,000--	2 785	1.7	Commercial fertilizer ----- farms --	11 374	1.4
\$2,500 to \$4,999 ----- farms --	1 764	1.6	----- \$1,000--	85 281	1.2
----- \$1,000--	6 397	1.6	Agricultural chemicals ----- farms --	11 796	1.4
\$5,000 to \$9,999 ----- farms --	2 131	1.6	----- \$1,000--	57 078	1.5
----- \$1,000--	15 397	1.6	Petroleum products ----- farms --	21 591	.9
\$10,000 to \$19,999 ----- farms --	2 477	1.6	----- \$1,000--	108 667	.7
----- \$1,000--	35 583	1.6	Electricity ----- farms --	17 808	1.1
\$20,000 to \$24,999 ----- farms --	936	1.8	----- \$1,000--	29 742	1.0
----- \$1,000--	20 865	1.8	Hired farm labor ----- farms --	8 191	1.6
\$25,000 to \$39,999 ----- farms --	1 967	1.6	----- \$1,000--	107 632	.8
----- \$1,000--	62 449	1.6	Contract labor ----- farms --	4 130	2.6
\$40,000 to \$49,999 ----- farms --	1 084	1.4	----- \$1,000--	15 244	3.1
----- \$1,000--	48 239	1.4	Repair and maintenance ----- farms --	19 724	1.0
\$50,000 to \$99,999 ----- farms --	3 528	.9	----- \$1,000--	113 906	.9
----- \$1,000--	252 596	.9	Customwork, machine hire, and rental of machinery and equipment ----- farms --	7 393	1.9
\$100,000 to \$249,999 ----- farms --	3 511	—	----- \$1,000--	32 543	2.2
----- \$1,000--	541 038	—	Interest expense ----- farms --	13 200	1.3
\$250,000 to \$499,999 ----- farms --	981	—	----- \$1,000--	146 474	1.0
----- \$1,000--	327 932	—	Secured by real estate ----- farms --	8 893	1.7
\$500,000 or more ----- farms --	369	—	----- \$1,000--	100 825	1.2
----- \$1,000--	416 524	—	Not secured by real estate ----- farms --	8 052	1.8
Sales by commodity or commodity group:			----- \$1,000--	45 649	1.4
Crops, including nursery and greenhouse crops ----- farms --	12 506	.8	Cash rent ----- farms --	6 914	1.9
----- \$1,000--	691 860	.3	----- \$1,000--	73 717	1.7
Grains ----- farms --	9 524	.8	Property taxes ----- farms --	21 382	.9
----- \$1,000--	546 745	.3	----- \$1,000--	74 177	.9
Corn for grain ----- farms --	185	1.5	All other farm production expenses ----- farms --	21 593	1.0
----- \$1,000--	3 519	.9	----- \$1,000--	192 194	.7
Wheat ----- farms --	8 373	.8	NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)¹		
----- \$1,000--	439 226	.3	All farms -----number--	22 824	.9
Soybeans ----- farms --	2	19.2	----- \$1,000--	333 711	1.4
----- \$1,000--	(D)	(D)	Average per farm -----dollars--	14 621	1.6
Sorghum for grain ----- farms --	6	9.9	Farms with net gains ² -----number--	12 604	1.3
----- \$1,000--	(D)	(D)	----- \$1,000--	439 911	.9
Barley ----- farms --	4 922	.7	Average net gain -----dollars--	34 903	1.6
----- \$1,000--	95 197	.3	Farms with net losses -----number--	10 220	1.7
Oats ----- farms --	651	1.3	----- \$1,000--	106 201	2.1
----- \$1,000--	2 631	1.5	Average net loss -----dollars--	10 391	2.7
Other grains ----- farms --	412	1.0	GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
----- \$1,000--	6 138	.6	Government payments ----- farms --	10 331	.9
Cotton and cottonseed ----- farms --	—	—	----- \$1,000--	185 296	.5
----- \$1,000--	—	—	Other farm-related income ¹ ----- farms --	6 364	2.2
Tobacco ----- farms --	—	—	----- \$1,000--	42 289	2.8
----- \$1,000--	—	—	Customwork and other agricultural services ----- farms --	1 957	4.3
Hay, silage, and field seeds ----- farms --	4 878	1.0	----- \$1,000--	15 461	4.1
----- \$1,000--	61 720	.6	Gross cash rent or share payments ----- farms --	2 675	3.8
Vegetables, sweet corn, and melons ----- farms --	102	2.9	----- \$1,000--	18 841	4.8
----- \$1,000--	806	4.8	Forest products and Christmas trees ----- farms --	326	9.0
Fruits, nuts, and berries ----- farms --	134	2.9	----- \$1,000--	4 249	8.1
----- \$1,000--	984	2.7	Other farm-related income sources ----- farms --	2 801	3.2
Nursery and greenhouse crops ----- farms --	184	2.3	----- \$1,000--	3 739	5.1
----- \$1,000--	11 784	.9	COMMODITY CREDIT CORPORATION LOANS		
Other crops ----- farms --	639	.9	Total ----- farms --	1 614	.8
----- \$1,000--	69 821	.3	----- \$1,000--	44 744	.4
Livestock, poultry, and their products ----- farms --	15 710	.8			
----- \$1,000--	1 038 377	.2			
Poultry and poultry products ----- farms --	403	1.8			
----- \$1,000--	7 937	.5			
Dairy products ----- farms --	324	1.2			
----- \$1,000--	39 324	.3			
Cattle and calves ----- farms --	13 628	.8			
----- \$1,000--	909 409	.2			
Hogs and pigs ----- farms --	1 030	1.3			
----- \$1,000--	33 339	.5			
Sheep, lambs, and wool ----- farms --	2 609	1.1			
----- \$1,000--	31 440	.6			
Other livestock and livestock products (see text) ----- farms --	2 071	1.1			
----- \$1,000--	16 928	1.1			
Value of agricultural products sold directly to individuals for human consumption (see text) ----- farms --	774	1.5			
----- \$1,000--	2 179	1.7			

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)
LAND IN FARMS ACCORDING TO USE			TENURE OF OPERATOR		
Total cropland ----- farms ..	19 442	.9	All operators ----- farms ..	22 821	.9
----- acres..	17 494 553	.4	Full owners ----- farms ..	59 642 536	.2
Harvested cropland ----- farms ..	17 100	.8	----- acres..	10 763	1.1
----- acres..	8 199 296	.4	Part owners ----- farms ..	14 788 515	.4
Farms by acres harvested:			----- acres..	9 039	.6
1 to 9 acres ----- farms ..	1 006	1.7	Tenants ----- farms ..	38 549 948	.2
----- acres..	4 626	1.8	----- acres..	3 019	1.4
10 to 19 acres ----- farms ..	984	1.7	----- acres..	6 304 073	.5
----- acres..	13 133	1.7			
20 to 29 acres ----- farms ..	802	1.7	OWNED AND RENTED LAND		
----- acres..	18 168	1.7	Land owned ----- farms ..	19 959	.9
30 to 49 acres ----- farms ..	1 166	1.5	----- acres..	42 468 872	.2
----- acres..	43 144	1.5	Owned land in farms ----- farms ..	19 802	.9
50 to 99 acres ----- farms ..	1 781	1.4	----- acres..	37 911 555	.2
----- acres..	124 468	1.4	Land rented or leased from others ----- farms ..	12 162	.8
100 to 199 acres ----- farms ..	2 365	1.3	----- acres..	22 149 751	.3
----- acres..	330 770	1.3	----- landlords..	26 739	.7
200 to 499 acres ----- farms ..	3 734	1.0	Rented or leased land in farms ----- farms ..	12 058	.8
----- acres..	1 206 447	1.0	----- acres..	21 730 981	.3
500 to 999 acres ----- farms ..	2 810	.7	Land rented or leased to others ----- farms ..	2 678	1.1
----- acres..	1 971 511	.7	----- acres..	4 976 087	.7
1,000 acres or more ----- farms ..	2 452	—			
----- acres..	4 487 029	—	OPERATOR CHARACTERISTICS		
Cropland:			Operators by place of residence:		
Pasture or grazing only ----- farms ..	7 218	1.0	On farm operated ----- farms ..	16 982	.8
----- acres..	1 551 277	.8	Not on farm operated ----- farms ..	4 103	1.4
Other cropland ----- farms ..	10 313	.8	Not reported ----- farms ..	1 736	1.0
----- acres..	7 743 980	.5	Operators by principal occupation:		
Total woodland ----- farms ..	3 236	.9	Farming ----- farms ..	16 006	.8
----- acres..	1 965 656	.3	Other ----- farms ..	6 815	1.4
Pastureland and rangeland other than cropland and woodland pastured ----- farms ..	13 129	.8	Operators by days worked off farm:		
----- acres..	39 294 203	.1	Any ----- farms ..	9 838	1.2
Land in house lots, ponds, roads, wasteland, etc. ----- farms ..	11 636	.9	200 days or more ----- farms ..	5 261	1.4
----- acres..	888 124	.5	Operators by sex:		
Irrigated land ----- farms ..	8 883	.8	Male ----- farms ..	20 995	.9
----- acres..	1 978 167	.4	----- acres..	56 760 584	.2
Acres irrigated:			Female ----- farms ..	1 826	1.3
1 to 9 acres ----- farms ..	970	1.6	----- acres..	2 881 952	.5
----- acres..	4 490	1.8	Average age of operator ----- years ..	52.9	1.3
10 to 49 acres ----- farms ..	2 391	1.3	FARMS BY TYPE OF ORGANIZATION		
----- acres..	59 573	1.3	Individual or family (sole proprietorship) ----- farms ..	17 723	1.0
50 to 99 acres ----- farms ..	1 314	1.4	----- acres..	29 917 236	.4
----- acres..	91 836	1.4	Partnership ----- farms ..	2 046	1.0
100 to 199 acres ----- farms ..	1 454	1.2	----- acres..	7 180 806	.2
----- acres..	203 316	1.2	Corporation:		
200 to 499 acres ----- farms ..	1 767	.7	Family held ----- farms ..	2 669	.6
----- acres..	548 978	.6	----- acres..	17 074 602	.1
500 to 999 acres ----- farms ..	681	.5	More than 10 stockholders ----- farms ..	76	1.6
----- acres..	449 100	.5	10 or less stockholders ----- farms ..	2 593	.6
1,000 acres or more ----- farms ..	306	.2	Other than family held ----- farms ..	129	2.0
----- acres..	620 874	.2	----- acres..	849 452	.3
Harvested cropland irrigated ----- farms ..	7 688	.8	More than 10 stockholders ----- farms ..	22	2.0
----- acres..	1 513 042	.4	10 or less stockholders ----- farms ..	107	2.4
Pasture and other land irrigated ----- farms ..	3 622	1.0	Other—cooperative, estate or trust, institutional, etc. ----- farms ..	254	1.9
----- acres..	465 125	.6	----- acres..	4 620 440	.1
Land under federal acreage reduction programs:			HIRED FARM LABOR		
Diverted under annual commodity programs ----- farms ..	4 493	.7	Hired workers by days worked:		
----- acres..	219 861	.3	150 days or more ----- farms ..	4 202	1.9
Conservation Reserve or Wetlands Reserve Programs ----- farms ..	3 957	.9	----- workers..	8 669	1.3
----- acres..	2 159 530	.8	Less than 150 days ----- farms ..	6 921	1.8
			----- workers..	19 168	2.0
VALUE OF LAND AND BUILDINGS ¹			INJURIES AND DEATHS		
Estimated market value of land and buildings ----- farms ..	22 824	.9	Farm-related injuries:		
----- \$1,000..	13 577 573	1.2	Operator and family members ----- farms ..	305	1.4
Average per farm ----- dollars ..	594 881	1.5	----- number..	342	1.5
Average per acre ----- dollars ..	227	1.3	Hired workers ----- farms ..	319	.6
			----- number..	442	.4
VALUE OF MACHINERY AND EQUIPMENT ¹			Farm-related deaths:		
Estimated market value of all machinery and equipment ----- farms ..	22 808	.9	Operator and family members ----- farms ..	7	5.9
----- \$1,000..	1 516 085	.9	----- number..	7	5.9
Average per farm ----- dollars ..	66 472	1.3	Hired workers ----- farms ..	3	—
			----- number..	3	—
AGRICULTURAL CHEMICALS ¹					
Commercial fertilizer ----- farms ..	11 327	1.4			
----- acres on which used ..	5 428 561	1.3			

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)
FARMS BY SIZE			LIVESTOCK		
1 to 9 acres ----- farms ..	1 209	1.6	Cattle and calves inventory ----- farms ..	13 813	.8
----- acres..	4 163	1.8	number..	2 645 916	.3
10 to 49 acres ----- farms ..	2 804	1.5	Beef cows ----- farms ..	12 366	.8
----- acres..	73 002	1.5	number..	1 506 445	.3
50 to 69 acres ----- farms ..	628	1.9	Milk cows ----- farms ..	1 092	1.0
----- acres..	36 113	1.9	number..	22 409	.4
70 to 99 acres ----- farms ..	818	1.8	Cattle and calves sold ----- farms ..	13 628	.8
----- acres..	66 712	1.8	number..	1 677 932	.3
100 to 139 acres ----- farms ..	745	1.8	\$1,000..	909 409	.2
----- acres..	85 404	1.8	Hogs and pigs inventory ----- farms ..	1 056	1.3
			number..	222 966	.5
			Hogs and pigs sold ----- farms ..	1 030	1.3
			number..	363 440	.6
			\$1,000..	33 339	.5
			Sheep and lambs of all ages inventory ----- farms ..	2 507	1.1
			number..	634 361	.5
			Sheep and lambs sold ----- farms ..	2 580	1.1
			number..	519 200	.6
140 to 179 acres ----- farms ..	870	1.8	Horses and ponies inventory ----- farms ..	8 243	.9
----- acres..	137 558	1.8	number..	56 364	.7
180 to 219 acres ----- farms ..	567	1.9	Horses and ponies sold ----- farms ..	1 679	1.1
----- acres..	112 123	1.9	number..	6 353	1.2
220 to 259 acres ----- farms ..	400	2.1	POULTRY		
----- acres..	95 162	2.1	Chickens 3 months old or older inventory ----- farms ..	1 138	1.3
260 to 499 acres ----- farms ..	1 997	1.5	number..	634 955	.3
----- acres..	726 497	1.5	Hens and pullets of laying age ----- farms ..	1 127	1.3
500 to 999 acres ----- farms ..	2 521	1.5	number..	555 953	.4
----- acres..	1 817 999	1.6	Broilers and other meat-type chickens sold ----- farms ..	47	4.1
			number..	47 505	.5
1,000 to 1,999 acres ----- farms ..	3 040	1.4	CROPS HARVESTED		
----- acres..	4 417 544	1.4	Corn for grain or seed ----- farms ..	222	1.4
2,000 acres or more ----- farms ..	7 222	.3	----- acres..	18 240	.8
----- acres..	52 070 259	.1	bushels..	1 864 341	.7
			----- farms ..	489	.8
			----- acres..	42 337	.5
			Wheat for grain ----- farms ..	761 758	.5
			----- acres..	8 395	.8
			----- acres..	4 885 520	.4
			bushels..	142 893 032	.4
			Barley for grain ----- farms ..	5 971	.7
			----- acres..	1 168 663	.3
			Oats for grain ----- farms ..	47 381 536	.3
			----- acres..	1 590	.8
			----- acres..	82 492	.6
			bushels..	4 485 707	.7
			Dry edible beans, excluding dry limas ----- farms ..	84	2.4
			----- acres..	4 732	2.0
			Irish potatoes ----- farms ..	89 866	1.8
			----- acres..	125	1.7
			----- acres..	9 153	.4
			cwt..	2 780 717	.4
			Sugar beets for sugar ----- farms ..	476	1.0
			----- acres..	56 994	.4
			tons..	1 274 952	.4
			Hay—alfalfa, other tame, small grain, wild, grass		
			silage, green chop, etc. (see text) ----- farms ..	12 058	.8
			----- acres..	1 983 629	.4
			----- acres..	3 670 309	.4
			Alfalfa hay ----- farms ..	9 280	.8
			----- acres..	1 220 792	.4
			tons, dry..	2 607 186	.4
			Vegetables harvested for sale (see text) ----- farms ..	102	2.9
			----- acres..	583	4.6
			Land in orchards ----- farms ..	296	2.1
			----- acres..	1 598	3.3
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION					
Cash grains (011) ----- farms ..	5 822	.9			
----- acres..	15 238 670	.4			
Field crops, except cash grains (013) ----- farms ..	2 112	1.2			
----- acres..	1 329 889	.8			
Vegetables and melons (016) ----- farms ..	41	5.1			
----- acres..	3 311	28.1			
Fruits and tree nuts (017) ----- farms ..	223	2.4			
----- acres..	6 677	6.1			
Horticultural specialties (018) ----- farms ..	143	2.6			
----- acres..	5 890	4.5			
General farms, primarily crop (019) ----- farms ..	703	1.4			
----- acres..	920 602	.6			
Livestock, except dairy, poultry, and animal specialties (021) ----- farms ..	11 753	.9			
----- acres..	37 856 710	.2			
Dairy farms (024) ----- farms ..	187	1.4			
----- acres..	104 153	1.0			
Poultry and eggs (025) ----- farms ..	45	5.4			
----- acres..	8 404	4.6			
Animal specialties (027) ----- farms ..	1 209	1.6			
----- acres..	1 106 208	.4			
General farms, primarily livestock and animal specialties (029) ----- farms ..	583	1.8			
----- acres..	3 062 022	.3			

¹Data are based on a sample of farms.

²Farms 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)
FARMS AND LAND IN FARMS			FARM PRODUCTION EXPENSES¹		
Farms ----- number ..	14 853	.8	Total farm production expenses ----- farms ..	15 054	.9
Land in farms ----- acres ..	53 644 226	.2	----- \$1,000 ..	1 347 640	.4
Average size of farm ----- acres ..	3 612	.9	Average per farm ----- dollars ..	89 520	1.0
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			Livestock and poultry purchased ----- farms ..		
Total sales (see text) ----- farms ..	14 853	.8	----- \$1,000 ..	187 258	.8
Average per farm ----- dollars ..	1 705 226	.3	Feed for livestock and poultry ----- farms ..	9 755	1.3
	114 807	.9	----- \$1,000 ..	138 089	.8
Farms by value of sales:			Commercially mixed formula feeds ----- farms ..	3 964	2.4
\$10,000 to \$19,999 ----- farms ..	2 477	1.6	----- \$1,000 ..	30 211	1.4
----- \$1,000 ..	35 583	1.6	Seeds, bulbs, plants, and trees ----- farms ..	8 073	1.5
\$20,000 to \$24,999 ----- farms ..	936	1.8	----- \$1,000 ..	27 934	1.2
----- \$1,000 ..	20 865	1.8	Commercial fertilizer ----- farms ..	9 175	1.4
\$25,000 to \$39,999 ----- farms ..	1 967	1.6	----- \$1,000 ..	83 478	1.2
----- \$1,000 ..	62 449	1.6	Agricultural chemicals ----- farms ..	9 686	1.3
\$40,000 to \$49,999 ----- farms ..	1 084	1.4	----- \$1,000 ..	55 811	1.5
----- \$1,000 ..	48 239	1.4	Petroleum products ----- farms ..	14 901	.9
			----- \$1,000 ..	103 092	.7
\$50,000 to \$99,999 ----- farms ..	3 528	.9	Electricity ----- farms ..	12 944	1.1
----- \$1,000 ..	252 596	.9	----- \$1,000 ..	27 723	1.1
\$100,000 to \$249,999 ----- farms ..	3 511	--	Hired farm labor ----- farms ..	6 899	1.5
----- \$1,000 ..	541 038	--	----- \$1,000 ..	106 722	.8
\$250,000 to \$499,999 ----- farms ..	981	--	Contract labor ----- farms ..	3 486	2.6
----- \$1,000 ..	327 932	--	----- \$1,000 ..	14 626	3.2
\$500,000 or more ----- farms ..	369	--	Repair and maintenance ----- farms ..	14 074	1.0
----- \$1,000 ..	416 524	--	----- \$1,000 ..	106 988	.9
Sales by commodity or commodity group:			Customwork, machine hire, and rental of machinery and equipment ----- farms ..	6 061	1.9
Crops, including nursery and greenhouse crops ----- farms ..	9 960	.8	----- \$1,000 ..	31 472	2.3
----- \$1,000 ..	683 864	.3	Interest expense ----- farms ..	10 463	1.3
Grains ----- farms ..	8 659	.8	----- \$1,000 ..	139 732	1.0
----- \$1,000 ..	543 246	.3	Secured by real estate ----- farms ..	7 118	1.6
Corn for grain ----- farms ..	173	1.5	----- \$1,000 ..	95 483	1.2
----- \$1,000 ..	3 474	.9	Not secured by real estate ----- farms ..	6 766	1.8
Wheat ----- farms ..	7 737	.8	----- \$1,000 ..	44 249	1.4
----- \$1,000 ..	436 660	.3	Cash rent ----- farms ..	5 913	1.9
Soybeans ----- farms ..	2	19.2	----- \$1,000 ..	71 930	1.6
----- \$1,000 ..	(D)	(D)	Property taxes ----- farms ..	14 147	1.0
			----- \$1,000 ..	66 731	.9
Sorghum for grain ----- farms ..	4	8.3	All other farm production expenses ----- farms ..	186 053	.7
----- \$1,000 ..	(D)	(D)			
Barley ----- farms ..	4 606	.7	NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)¹		
----- \$1,000 ..	94 433	.3	All farms ----- number ..	15 054	.9
Oats ----- farms ..	581	1.2	----- \$1,000 ..	360 174	1.2
----- \$1,000 ..	2 522	1.5	Average per farm ----- dollars ..	23 925	1.5
Other grains ----- farms ..	407	1.0	Farms with net gains ² ----- number ..	10 760	1.3
----- \$1,000 ..	(D)	(D)	----- \$1,000 ..	436 001	.9
			Average net gain ----- dollars ..	40 521	1.5
Cotton and cottonseed ----- farms ..	--	--	Farms with net losses ----- number ..	4 294	2.5
----- \$1,000 ..	--	--	----- \$1,000 ..	75 826	2.5
Tobacco ----- farms ..	--	--	Average net loss ----- dollars ..	17 659	3.6
----- \$1,000 ..	--	--			
Hay, silage, and field seeds ----- farms ..	3 235	.9	GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
----- \$1,000 ..	57 814	.6	Government payments ----- farms ..	8 560	.8
			----- \$1,000 ..	166 968	.4
Vegetables, sweet corn, and melons ----- farms ..	53	3.4	Other farm-related income ¹ ----- farms ..	4 812	2.3
----- \$1,000 ..	(D)	(D)	----- \$1,000 ..	37 307	3.0
Fruits, nuts, and berries ----- farms ..	24	5.9	Customwork and other agricultural services ----- farms ..	1 535	4.5
----- \$1,000 ..	(D)	(D)	----- \$1,000 ..	14 537	4.2
			Gross cash rent or share payments ----- farms ..	1 798	4.4
Nursery and greenhouse crops ----- farms ..	122	2.5	----- \$1,000 ..	15 801	5.4
----- \$1,000 ..	11 582	.9	Forest products and Christmas trees ----- farms ..	203	9.6
Other crops ----- farms ..	619	.9	----- \$1,000 ..	3 599	8.6
----- \$1,000 ..	69 771	.3	Other farm-related income sources ----- farms ..	2 464	3.2
			----- \$1,000 ..	3 370	4.8
Livestock, poultry, and their products ----- farms ..	11 177	.8	COMMODITY CREDIT CORPORATION LOANS		
----- \$1,000 ..	1 021 361	.2	Total ----- farms ..	1 569	.8
Poultry and poultry products ----- farms ..	200	1.9	----- \$1,000 ..	44 654	.4
----- \$1,000 ..	7 855	.5			
Dairy products ----- farms ..	291	1.1			
----- \$1,000 ..	39 267	.3			
Cattle and calves ----- farms ..	10 483	.8			
----- \$1,000 ..	897 047	.2			
Hogs and pigs ----- farms ..	743	1.3			
----- \$1,000 ..	32 828	.5			
Sheep, lambs, and wool ----- farms ..	1 660	1.0			
----- \$1,000 ..	29 196	.6			
Other livestock and livestock products (see text) ----- farms ..	1 171	1.0			
----- \$1,000 ..	15 168	1.2			
Value of agricultural products sold directly to individuals for human consumption (see text) ----- farms ..	366	1.7			
----- \$1,000 ..	1 760	2.0			

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)
LAND IN FARMS ACCORDING TO USE			FARMS BY TYPE OF ORGANIZATION		
Total cropland ----- farms ..	13 655	.8	Individual or family (sole proprietorship) ----- farms ..	10 695	1.0
Harvested cropland ----- farms ..	16 387 596	.4	Partnership ----- farms ..	27 637 039	.3
acres ..	12 911	.8	acres ..	1 564	.9
farms ..	8 010 877	.4	acres ..	6 860 928	.2
acres ..			Corporation:		
farms ..	4 444	.9	Family held ----- farms ..	2 376	.5
acres ..	1 297 901	.8	acres ..	16 709 975	.1
Total woodland ----- farms ..	1 899	.8	More than 10 stockholders ----- farms ..	70	1.4
acres ..	1 619 892	.3	10 or less stockholders ----- farms ..	2 306	.5
Pastureland and rangeland other than cropland and woodland pastured ----- farms ..	9 640	.7	Other than family held ----- farms ..	97	1.8
acres ..	34 857 649	.1	acres ..	799 619	.2
Land in house lots, ponds, roads, wasteland, etc. ----- farms ..	7 589	.8	More than 10 stockholders ----- farms ..	18	—
acres ..	779 089	.4	10 or less stockholders ----- farms ..	79	2.2
Irrigated land ----- farms ..	5 951	.8	Other—cooperative, estate or trust, institutional, etc. ----- farms ..	121	2.5
acres ..	1 872 674	.4	acres ..	1 636 665	.2
farms ..	5 533	.8			
acres ..	1 458 435	.4	HIRED FARM LABOR		
farms ..	2 203	1.0	Hired workers by days worked:		
acres ..	414 239	.6	150 days or more ----- farms ..	3 744	1.8
Land under federal acreage reduction programs:			workers ..	8 191	1.2
Diverted under annual commodity programs ----- farms ..	4 297	.6	Less than 150 days ----- farms ..	5 663	1.8
acres ..	218 111	.3	workers ..	16 818	2.0
Conservation Reserve or Wetlands Reserve Programs ----- farms ..	3 099	.7			
acres ..	1 725 901	.6	INJURIES AND DEATHS		
VALUE OF LAND AND BUILDINGS ¹			Farm-related injuries:		
Estimated market value of land and buildings ----- farms ..	15 054	.9	Operator and family members ----- farms ..	258	1.3
\$1,000 ..	11 657 784	1.4	number ..	290	1.4
Average per farm ----- dollars ..	774 398	1.6	Hired workers ----- farms ..	303	.5
Average per acre ----- dollars ..	216	1.5	number ..	425	.3
VALUE OF MACHINERY AND EQUIPMENT ¹			Farm-related deaths:		
Estimated market value of all machinery and equipment ----- farms ..	15 054	.9	Operator and family members ----- farms ..	6	—
\$1,000 ..	1 388 098	.9	number ..	(D)	(D)
Average per farm ----- dollars ..	92 208	1.3	Hired workers ----- farms ..	3	—
			number ..	3	—
AGRICULTURAL CHEMICALS ¹			FARMS BY SIZE		
Commercial fertilizer ----- farms ..	9 164	1.4	1 to 9 acres -----	373	1.9
acres on which used ..	5 311 452	1.3	10 to 49 acres -----	343	2.2
			50 to 69 acres -----	157	2.9
TENURE OF OPERATOR			70 to 99 acres -----	226	2.6
All operators ----- farms ..	14 853	.8	100 to 139 acres -----	281	2.3
acres ..	53 644 226	.2	140 to 179 acres -----	369	2.2
Full owners ----- farms ..	5 101	1.1	180 to 219 acres -----	296	2.3
acres ..	11 434 584	.4	220 to 259 acres -----	213	2.5
Part owners ----- farms ..	7 627	.6	260 to 499 acres -----	1 257	1.5
acres ..	36 839 107	.2	500 to 999 acres -----	1 896	1.5
Tenants ----- farms ..	2 125	1.4	1,000 to 1,999 acres -----	2 601	1.4
acres ..	5 370 535	.5	2,000 acres or more -----	6 841	.2
OWNED AND RENTED LAND			FARMS BY STANDARD INDUSTRIAL CLASSIFICATION		
Land owned ----- farms ..	12 815	.8	Cash grains (011) -----	5 108	.9
acres ..	36 395 876	.2	Field crops, except cash grains (013) -----	899	1.3
Owned land in farms ----- farms ..	12 728	.8	Vegetables and melons (016) -----	9	11.3
acres ..	33 601 821	.2	Fruits and tree nuts (017) -----	18	7.1
Land rented or leased from others ----- farms ..	9 816	.7	Horticultural specialties (018) -----	98	2.8
acres ..	20 411 160	.3	General farms, primarily crop (019) -----	306	1.5
landlords ..	23 003	.6	Livestock, except dairy, poultry, and animal specialties (021) -----	7 994	.8
farms ..	9 752	.7	Dairy farms (024) -----	174	1.3
acres ..	20 042 405	.3	Poultry and eggs (025) -----	10	7.5
Land rented or leased to others ----- farms ..	1 701	1.0	Animal specialties (027) -----	186	2.4
acres ..	3 162 810	.4	General farms, primarily livestock and animal specialties (029) -----	51	2.7
OPERATOR CHARACTERISTICS			LIVESTOCK		
Operators by place of residence:			Cattle and calves inventory ----- farms ..	10 347	.8
On farm operated -----	11 302	.8	number ..	2 574 763	.3
Not on farm operated -----	2 469	1.4	Beef cows ----- farms ..	9 573	.8
Not reported -----	1 082	.8	number ..	1 466 435	.3
Operators by principal occupation:			Milk cows ----- farms ..	816	.9
Farming -----	12 701	.7	number ..	21 935	.4
Other -----	2 152	1.5	Cattle and calves sold ----- farms ..	10 483	.8
Operators by days worked off farm:			number ..	1 649 635	.2
Any -----	4 920	1.2	\$1,000 ..	897 047	.2
200 days or more -----	1 935	1.5	farms ..	750	1.3
Operators by sex:			number ..	217 220	.5
Male -----	14 010	.8	farms ..	743	1.3
Female -----	843	1.4	number ..	355 906	.6
Average age of operator ----- years ..	52.4	1.2	\$1,000 ..	32 828	.5
			Sheep and lambs of all ages inventory ----- farms ..	1 587	1.0
			number ..	581 638	.5
			Sheep and lambs sold ----- farms ..	1 655	1.0
			number ..	476 358	.6
			Horses and ponies inventory ----- farms ..	5 051	.8
			number ..	38 581	.6
			Horses and ponies sold ----- farms ..	963	1.1
			number ..	4 758	1.4

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)
POULTRY			CROPS HARVESTED—Con.		
Chickens 3 months old or older inventory -----farms --	550	1.3	Barley for grain ----- farms ..	5 594	.7
Hens and pullets of laying age -----farms --	621 443	.3	acres..	1 154 426	.3
number..	544	1.3	bushels..	46 983 491	.3
number..	544 020	.4	Oats for grain ----- farms ..	1 448	.8
Broilers and other meat-type chickens sold -----farms --	29	3.9	acres..	79 632	.6
number..	46 536	.4	bushels..	4 357 167	.7
			Dry edible beans, excluding dry limas -----farms ..	83	2.4
			acres..	(D)	(D)
			cwt..	(D)	(D)
			Irish potatoes ----- farms ..	116	1.6
			acres..	9 146	.4
			cwt..	2 779 578	.4
			Sugar beets for sugar ----- farms ..	469	1.0
			acres..	56 916	.4
			tons..	1 273 082	.4
CROPS HARVESTED			Hay—alfalfa, other tame, small grain, wild, grass		
Corn for grain or seed -----farms --	209	1.3	silage, green chop, etc. (see text) -----farms ..	8 813	.7
acres..	17 817	.8	acres..	1 868 545	.4
bushels..	1 840 917	.7	tons, dry..	3 507 029	.4
Corn for silage or green chop -----farms --	474	.7	Alfalfa hay ----- farms ..	7 060	.7
acres..	42 011	.5	acres..	1 151 319	.4
tons, green..	757 902	.5	tons, dry..	2 493 733	.4
Wheat for grain -----farms --	7 747	.8	Vegetables harvested for sale (see text) -----farms ..	53	3.4
acres..	4 829 152	.4	acres..	483	5.3
bushels..	141 908 538	.4	Land in orchards ----- farms ..	40	4.4
			acres..	556	7.1

¹Data are based on a sample of farms.

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

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

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

Item	All farms		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..	-7.1	1.0	-6.4	.9
Land in farms..... acres ..	-9	.3	-1.3	.3
Average size of farm.....acres ..	6.6	1.2	5.4	1.0
Estimated market value of land and buildings ¹ :				
Average per farm.....dollars ..	17.7	2.1	14.5	2.1
Average per acre.....dollars ..	10.7	1.8	9.6	1.9
Estimated market value of all machinery and equipment ¹ :				
Average per farm.....dollars ..	9.4	1.9	8.2	1.8
Farms by size:				
1 to 9 acres.....	-37.7	1.3	-32.3	1.6
10 to 49 acres.....	2.1	2.0	4.6	2.9
50 to 179 acres.....	1.4	1.9	18.1	2.5
180 to 499 acres.....	-10.6	1.5	-7.2	1.7
500 to 999 acres.....	-7.9	1.5	-6.7	1.7
1,000 to 1,999 acres.....	-12.1	1.4	-15.8	1.3
2,000 acres or more.....	-1.8	.3	-2.9	.3
Total cropland.....farms ..				
Harvested cropland.....farms ..	-7.7	.9	-7.5	.8
.....acres ..	-1.9	.5	-3.2	.5
.....farms ..	-11.2	.9	-9.7	.8
.....acres ..	-10.2	.4	-9.8	.4
Irrigated land.....farms ..				
.....acres..	-6.7	1.0	-5.6	.9
.....acres..	-9	.5	.6	.5
Market value of agricultural products sold.....\$1,000 ..				
Average per farm.....dollars ..	11.8	.4	12.3	.4
.....dollars ..	20.4	1.4	19.9	1.2
Crops, including nursery and greenhouse crops.....\$1,000 ..				
Livestock, poultry, and their products.....\$1,000 ..	8.2	.5	8.6	.5
.....\$1,000 ..	14.3	.3	14.8	.3
Farms by value of sales:				
Less than \$2,500.....	-5.7	1.2	(X)	(X)
\$2,500 to \$4,999.....	-12.1	1.9	(X)	(X)
\$5,000 to \$9,999.....	-10.2	1.8	(X)	(X)
\$10,000 to \$24,999.....	-12.8	1.6	-12.8	1.6
\$25,000 to \$49,999.....	-17.4	1.4	-17.4	1.4
\$50,000 to \$99,999.....	-13.2	.9	-13.2	.9
\$100,000 to \$249,999.....	7.9	(L)	7.9	(L)
\$250,000 to \$499,999.....	41.8	-	41.8	-
\$500,000 or more.....	46.4	-	46.4	-
Total farm production expenses ¹\$1,000..				
Average per farm.....dollars ..	8.6	1.1	8.9	1.1
.....dollars ..	16.9	1.5	15.2	1.4
Net cash return from agricultural sales for the farm unit (see text) ¹farms..				
.....\$1,000 ..	-7.1	1.0	-5.5	1.0
Average per farm.....dollars ..	26.3	2.8	27.2	2.4
.....dollars ..	38.1	3.3	34.6	2.9
Operators by principal occupation:				
Farming.....	-8.0	.9	-8.1	.8
Other.....	-4.9	1.6	5.0	1.9
Operators by days worked off farm:				
Any.....	-8.6	4.7	-5.6	4.9
200 days or more.....	-6.2	4.9	5.4	5.5
Livestock and poultry:				
Cattle and calves inventory.....farms ..				
.....number..	-7.1	.9	-3.0	.8
.....farms ..	2.1	.3	2.9	.3
Beef cows.....farms ..	-5.4	.9	-1.1	.9
.....number..	7.6	.4	8.6	.4
Milk cows.....farms ..	-37.0	.8	-34.9	.7
.....number..	-16.6	.5	-15.8	.5
Cattle and calves sold.....farms ..				
.....number..	-7.4	.9	-3.5	.8
.....farms ..	2.0	.3	2.5	.3
Hogs and pigs inventory.....farms ..				
.....number..	-24.9	1.2	-28.0	1.2
.....farms ..	11.1	.9	11.3	.8
Hogs and pigs sold.....farms ..	-23.3	1.2	-27.1	1.2
.....number..	10.9	.9	10.9	.9
Sheep and lambs inventory.....farms ..				
.....number..	-4.5	1.3	-9.2	1.1
.....farms ..	7.9	.7	5.4	.7
Chickens 3 months old or older inventory.....farms ..				
.....number..	-45.9	.8	-54.5	.7
.....farms ..	-35.1	.2	-34.9	.2
Broilers and other meat-type chickens sold.....farms ..				
.....number..	-53.0	2.3	-48.2	2.4
.....farms ..	-43.9	4.1	-42.1	4.4
Selected crops harvested:				
Corn for silage or green chop.....farms ..				
.....acres..	-23.7	.8	-22.5	.8
.....acres..	-9.1	.6	-8.9	.6
.....acres..	-4.0	.6	-3.7	.6
Wheat for grain.....farms ..	-19.1	.8	-17.3	.7
.....acres..	3.9	.5	4.3	.5
.....bushels..	-6	.5	-2	.4
Barley for grain.....farms ..	-37.9	.5	-36.9	.5
.....acres..	-38.5	.3	-38.5	.3
.....bushels..	-40.5	.3	-40.4	.3
Oats for grain.....farms ..	-32.2	.7	-29.9	.7
.....acres..	-37.7	.5	-37.2	.5
.....bushels..	-29.4	.6	-28.7	.6
Sugar beets for sugar.....farms ..	11.0	1.6	12.7	1.6
.....acres..	17.7	.7	17.9	.7
.....acres..	21.3	.7	21.4	.7
.....tons..	-12.0	.8	-10.5	.8
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text).....farms ..	-7.1	.5	-6.0	.4
.....acres..	-4.9	.5	-3.6	.4
.....tons, dry..				

¹Data 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 ¹		Estimated market value of all machinery and equipment ¹	
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Montana	22 821	.9	59 642 536	.2	2 613	.9	594 881	1.5	1 516 085	.9
Beaverhead	345	.5	1 342 484	.2	3 891	.6	1 180 153	1.6	26 875	2.1
Big Horn	485	1.8	3 002 378	.2	6 190	1.8	1 455 146	15.1	43 470	4.9
Blaine	514	1.3	2 338 866	.3	4 550	1.3	760 395	2.7	40 425	5.1
Broadwater	205	.9	449 970	.6	2 195	1.1	653 247	4.1	18 179	5.3
Carbon	599	1.2	598 694	.8	999	1.4	394 709	5.4	29 603	4.2
Carter	308	.4	1 619 482	.2	5 258	.5	460 675	4.4	17 613	4.2
Cascade	792	1.0	1 424 228	.4	1 798	1.1	483 438	5.8	44 980	6.2
Chouteau	737	.6	2 277 936	.3	3 091	.7	890 312	4.7	89 380	4.5
Custer	380	.9	2 085 181	.1	5 487	.9	763 967	14.4	23 689	4.9
Daniels	325	1.4	761 459	.7	2 343	1.6	412 595	4.0	30 400	8.0
Dawson	451	1.0	1 334 041	.5	2 958	1.1	413 179	4.9	34 427	4.1
Deer Lodge	70	1.1	135 126	1.0	1 930	1.5	665 617	3.8	4 047	3.4
Fallon	302	1.1	944 497	.5	3 127	1.2	386 125	6.4	18 734	7.6
Fergus	804	1.0	2 232 575	.4	2 777	1.0	526 258	3.3	54 351	3.2
Flathead	813	.9	277 050	.9	341	1.3	455 686	5.3	31 185	6.3
Gallatin	789	.8	699 409	.5	886	1.0	605 364	7.2	49 130	4.2
Garfield	263	.6	2 000 266	.1	7 606	.6	814 366	14.6	17 992	2.2
Glacier	376	2.2	1 730 537	.6	4 602	2.3	933 146	4.5	33 622	5.2
Golden Valley	121	.7	636 514	.3	5 260	.8	929 994	3.7	9 743	7.9
Granite	138	.9	349 938	.4	2 536	1.0	761 900	5.4	8 048	2.3
Hill	641	1.0	1 644 001	.5	2 565	1.1	606 785	3.1	64 186	3.7
Jefferson	236	.8	867 482	.4	1 557	.9	476 440	8.2	7 933	4.1
Judith Basin	328	1.3	868 064	.5	2 647	1.4	598 918	9.9	22 506	4.0
Lake	948	1.2	631 377	.7	666	1.4	398 444	3.8	39 258	6.4
Lewis and Clark	438	1.0	883 479	.3	2 017	1.1	517 659	4.7	20 901	9.6
Liberty	274	.5	951 780	.3	3 474	.6	776 556	3.4	38 672	3.3
Lincoln	219	1.0	50 220	1.8	229	2.1	341 849	5.5	5 409	9.0
McCone	415	.7	1 290 134	.4	3 109	.8	507 761	9.3	35 466	7.7
Madison	418	.8	1 271 160	.2	3 041	.8	946 600	2.1	26 547	3.2
Meagher	134	.7	912 154	.2	6 807	.8	1 236 373	1.7	11 843	1.7
Mineral	67	1.2	19 158	3.5	286	3.7	284 536	6.0	1 853	4.5
Missoula	450	1.1	248 215	.9	552	1.4	412 141	11.7	10 733	11.6
Musselshell	253	1.0	1 031 872	.4	4 079	1.1	637 857	13.2	10 238	2.5
Park	385	.7	777 803	.4	2 020	.8	712 708	9.1	19 185	8.3
Petroleum	105	.6	669 516	.2	6 376	.6	880 794	2.4	7 000	4.3
Phillips	479	1.0	1 968 857	.3	4 110	1.0	606 118	2.6	33 907	3.9
Pondera	463	.8	893 872	.5	1 931	.9	701 206	17.6	39 540	5.5
Powder River	295	.6	1 629 363	.2	5 523	.6	547 949	7.8	17 719	1.8
Powell	233	1.0	675 569	.4	2 899	1.1	855 471	4.4	14 767	7.2
Prairie	165	.9	683 088	.3	4 140	1.0	540 909	4.1	13 983	1.3
Ravalli	937	1.0	241 655	.9	258	1.4	345 873	4.6	22 352	6.4
Richland	563	1.1	1 197 028	.6	2 126	1.3	390 395	5.1	51 723	5.1
Roosevelt	525	1.4	1 414 415	.5	2 694	1.5	477 028	2.7	39 718	4.8
Rosebud	357	.8	2 585 834	.2	7 243	.8	779 321	5.1	21 666	3.7
Sanders	348	.9	381 104	.6	1 095	1.1	417 371	12.2	9 520	6.2
Sheridan	526	1.1	962 450	.8	1 830	1.3	452 764	4.2	39 744	6.3
Silver Bow	105	1.7	99 746	1.4	950	2.2	329 990	6.1	2 504	5.8
Stillwater	446	.9	889 294	.5	1 994	1.0	443 436	3.8	26 905	6.3
Sweet Grass	295	.8	837 904	.4	2 840	.8	807 694	6.4	17 634	7.4
Teton	556	.6	1 178 885	.4	2 120	.7	586 959	2.9	48 469	5.6
Toole	358	1.0	1 063 086	.4	2 970	1.0	723 775	2.5	36 565	4.7
Treasure	113	1.4	599 014	.3	5 301	1.4	645 676	6.6	13 830	1.7
Valley	624	1.4	1 688 070	.5	2 705	1.5	527 983	5.6	46 380	6.9
Wheatland	146	.9	850 599	.3	5 826	.9	1 106 275	2.4	12 484	3.1
Wibaux	165	1.0	490 988	.5	2 976	1.1	382 024	6.5	10 546	5.8
Yellowstone	994	.9	1 454 669	.3	1 463	.9	395 705	3.9	48 509	2.4

Geographic area	Average market value of all machinery and equipment per farm ¹		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses ¹			
	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)
Montana	66 472	1.3	1 730 237	.3	75 818	.9	22 824	.9	1 399 200	.5
Beaverhead	77 672	2.2	65 294	.1	189 258	.6	346	.7	52 178	1.2
Big Horn	89 815	5.3	92 416	.3	190 548	1.8	484	1.9	67 054	2.0
Blaine	78 495	5.4	42 539	.4	82 760	1.3	515	1.6	33 735	2.3
Broadwater	88 677	5.4	16 396	.6	79 982	1.1	205	1.3	14 105	3.4
Carbon	49 421	4.4	43 492	.6	72 608	1.3	599	1.3	33 901	1.8
Carter	57 186	4.2	23 264	.2	75 533	.5	308	.7	17 327	3.3
Cascade	56 792	6.4	52 976	.4	66 889	1.0	792	1.2	45 506	2.0
Chouteau	121 440	4.5	57 197	.3	77 608	.7	737	.7	58 091	2.5
Custer	62 340	5.0	43 842	.2	115 373	.9	380	1.0	35 909	1.2
Daniels	93 538	8.2	23 209	.8	71 413	1.6	325	1.4	17 606	4.4
Dawson	76 336	4.2	34 039	.5	75 475	1.1	451	1.1	24 915	2.8
Deer Lodge	57 813	4.9	4 682	.9	66 883	1.4	70	3.6	4 023	1.3
Fallon	62 032	7.7	18 793	.7	62 228	1.3	302	1.2	14 354	2.9
Fergus	67 601	3.5	59 560	.4	74 080	1.1	804	1.2	47 282	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 ¹		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses ¹			
	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)
Flathead	38 405	6.4	26 502	.5	32 597	1.1	812	1.0	20 974	2.8
Gallatin	62 348	4.3	58 243	.4	73 819	.9	788	1.0	43 407	1.3
Garfield	68 409	2.4	24 987	.2	95 006	.6	263	1.0	19 863	3.0
Glacier	89 182	5.7	35 763	.7	95 116	2.3	377	2.3	29 671	2.4
Golden Valley	80 517	8.1	11 168	.4	92 300	.8	121	2.0	8 642	2.6
Granite	58 316	3.0	10 085	.5	73 081	1.0	138	1.8	7 768	3.4
Hill	99 978	3.8	41 416	.4	64 611	1.1	642	.9	39 209	2.9
Jefferson	33 612	4.2	10 202	.6	43 228	1.0	236	1.0	7 127	3.5
Judith Basin	68 617	4.2	31 746	.5	96 785	1.3	328	1.3	24 672	2.3
Lake	41 368	6.5	36 674	.7	38 686	1.4	949	1.1	29 991	2.1
Lewis and Clark	47 828	9.7	19 100	.6	43 607	1.2	437	1.2	16 138	4.6
Liberty	141 140	3.4	30 759	.3	112 258	.6	274	.8	26 579	3.1
Lincoln	24 811	9.1	2 253	2.5	10 287	2.7	218	1.7	2 931	15.5
McCone	85 461	7.7	30 667	.4	73 897	.9	415	.8	23 136	3.7
Madison	63 661	3.4	36 738	.3	87 890	.9	418	1.1	29 805	1.8
Meagher	88 384	2.2	18 386	.3	137 209	.8	134	1.3	14 943	1.1
Mineral	27 660	6.0	973	3.3	14 525	3.5	67	4.0	963	3.7
Missoula	23 852	11.6	7 743	1.5	17 208	1.9	450	1.4	6 984	7.4
Musselshell	40 467	2.8	14 111	.6	55 775	1.2	253	1.3	12 250	4.4
Park	49 830	8.3	19 695	.5	51 155	.8	385	.8	15 694	5.5
Petroleum	66 665	4.4	11 676	.2	111 196	.6	105	1.2	8 429	3.3
Phillips	70 787	4.0	44 875	.4	93 685	1.1	479	1.0	37 754	2.5
Pondera	85 399	5.6	33 259	.4	71 834	.9	463	1.2	31 113	2.9
Powder River	60 064	2.0	25 623	.3	86 857	.6	295	.8	19 406	1.7
Powell	63 105	7.3	18 154	.5	77 913	1.1	234	1.4	14 786	3.8
Prairie	86 316	2.3	18 951	.4	114 856	1.0	165	1.2	14 758	1.8
Ravalli	23 829	6.5	22 891	.7	24 431	1.2	938	1.1	19 986	2.4
Richland	91 871	5.2	55 039	.4	97 760	1.2	563	1.2	39 177	1.6
Roosevelt	75 653	5.0	36 959	.6	70 399	1.5	525	1.5	26 726	3.1
Rosebud	60 688	3.8	43 098	.2	120 723	.8	357	.9	30 562	1.7
Sanders	27 434	6.3	12 074	.7	34 695	1.1	347	1.2	8 871	2.7
Sheridan	75 558	6.4	31 012	.7	58 958	1.3	526	1.2	23 258	4.7
Silver Bow	23 623	6.3	2 476	1.1	23 585	2.0	106	2.5	1 885	3.7
Stillwater	60 326	6.4	31 121	.5	69 779	1.0	446	1.4	26 260	2.3
Sweet Grass	59 575	7.5	18 028	.5	61 111	.9	296	1.2	14 638	3.1
Teton	87 174	5.7	57 979	.3	104 278	.7	556	.8	51 004	2.0
Toole	102 136	4.9	30 851	.4	86 175	1.1	358	1.1	25 759	3.6
Treasure	122 392	3.1	18 835	.3	166 684	1.4	113	2.6	15 281	.9
Valley	74 447	7.0	40 624	.6	65 102	1.5	623	1.4	32 891	3.0
Wheatland	85 505	3.7	21 367	.3	146 352	.9	146	2.0	15 416	2.2
Wibaux	63 915	6.0	10 154	.7	61 540	1.2	165	1.8	8 067	2.8
Yellowstone	49 298	2.8	100 281	.2	100 886	.9	995	.9	86 443	.8

Farm production expenses¹ — Con.

Geographic area	Farm production expenses ¹ — Con.											
	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Montana	8 252	1.8	191 132	.8	13 555	1.3	142 789	.8	9 376	1.6	28 625	1.2
Beaverhead	186	6.1	10 382	2.2	248	4.6	5 816	2.1	81	8.6	499	.6
Big Horn	209	11.6	12 083	1.5	317	7.2	7 229	2.4	195	10.9	1 065	6.5
Blaine	183	12.5	2 211	7.2	324	7.7	3 530	8.3	279	8.8	831	5.6
Broadwater	72	16.6	754	5.3	105	10.7	1 259	3.3	106	8.2	380	11.1
Carbon	262	7.7	10 224	2.2	371	7.1	3 604	3.2	218	9.1	627	6.2
Carter	140	9.5	2 016	.4	235	7.2	2 108	4.5	101	13.1	207	19.9
Cascade	260	10.7	5 272	7.5	458	6.8	6 462	4.1	257	9.6	724	5.4
Chouteau	130	9.7	1 258	4.6	281	7.9	2 966	12.1	432	4.8	1 626	5.8
Custer	177	10.4	12 011	1.3	274	7.6	3 664	1.2	141	11.3	370	8.4
Daniels	75	14.6	780	12.9	107	10.8	1 123	10.4	204	8.1	464	7.9
Dawson	151	12.5	1 925	5.1	227	8.0	1 402	6.0	261	7.8	660	5.8
Deer Lodge	30	5.0	719	1.7	49	4.1	326	3.9	12	6.2	36	.3
Fallon	135	12.4	2 169	15.0	221	6.1	1 816	6.9	78	17.1	135	11.0
Fergus	385	6.8	5 148	7.0	542	4.9	4 372	5.5	385	5.9	765	5.5
Flathead	225	11.7	1 958	10.0	399	8.0	2 020	4.7	221	10.7	538	6.2
Gallatin	255	9.6	2 093	4.2	539	4.5	5 934	2.8	333	6.5	1 216	6.5
Garfield	133	12.3	1 700	4.1	196	6.6	2 471	3.8	97	14.1	339	17.0
Glacier	133	12.9	1 654	14.3	228	7.6	2 777	8.4	151	3.9	1 005	4.2
Golden Valley	65	9.6	1 879	2.3	91	6.3	1 142	6.5	46	11.6	89	12.1
Granite	72	6.4	1 202	9.2	97	4.5	928	3.5	34	8.0	41	5.0
Hill	133	15.7	1 231	4.7	232	11.4	2 784	13.3	409	5.9	1 359	6.8
Jefferson	103	15.5	755	5.7	166	8.9	1 103	9.2	65	18.4	103	1.9
Judith Basin	151	13.3	3 386	4.3	234	7.6	2 860	5.0	127	13.0	315	3.8
Lake	251	11.6	2 630	10.2	511	6.1	3 445	6.4	277	10.5	631	10.9

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 ¹ —Con.											
	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Lewis and Clark	156	13.7	1 664	17.7	281	7.9	1 600	7.3	121	15.7	216	7.6
Liberty	48	23.1	802	29.7	99	10.4	2 182	4.8	151	9.9	666	6.3
Lincoln	74	24.9	206	36.0	130	14.2	418	27.4	64	28.5	49	65.9
McCone	116	15.1	1 349	3.8	209	10.4	1 498	8.1	240	8.8	573	8.5
Madison	169	10.6	4 186	4.0	296	5.8	2 251	4.4	136	10.6	467	15.5
Meagher	75	5.8	1 348	3.1	96	4.7	1 308	2.3	42	3.6	168	.4
Mineral	18	7.0	78	11.3	39	4.8	143	3.4	22	6.1	19	11.0
Missoula	152	13.7	545	17.8	283	8.2	645	16.3	95	17.2	182	8.5
Musselshell	101	13.5	1 524	27.1	196	6.5	1 325	6.2	72	18.1	206	9.1
Park	172	12.8	2 431	18.0	303	5.6	1 536	7.6	107	16.2	163	15.4
Petroleum	49	9.7	934	1.8	84	6.0	1 243	9.6	34	9.4	142	1.4
Phillips	192	9.8	6 255	4.3	317	6.4	4 622	5.8	215	9.2	447	3.6
Pondera	137	10.7	1 326	9.3	199	9.9	2 400	5.8	330	6.2	1 103	7.6
Powder River	171	7.8	3 136	2.7	245	5.3	2 407	2.8	96	7.2	102	7.9
Powell	104	15.6	1 142	11.1	190	7.7	1 878	3.2	43	29.6	130	25.5
Prairie	96	7.6	3 406	1.3	113	4.5	1 555	2.2	89	6.5	244	2.5
Ravalli	348	9.4	2 334	14.2	602	5.0	3 601	5.1	175	15.1	262	14.2
Richland	239	9.5	5 923	4.3	308	7.4	2 841	4.5	346	7.0	1 241	3.7
Roosevelt	107	17.2	965	7.9	218	10.6	1 052	10.8	283	9.0	892	7.2
Rosebud	145	10.5	5 294	.8	263	6.9	3 520	2.0	137	11.5	361	8.6
Sanders	163	12.7	837	15.1	228	10.1	874	6.8	113	16.6	265	8.4
Sheridan	107	19.7	810	22.1	204	12.0	986	11.4	277	8.6	807	10.0
Silver Bow	30	11.9	235	20.7	76	6.1	308	5.0	10	2.6	10	.8
Stillwater	190	11.4	4 648	4.8	314	7.3	2 827	6.6	153	13.7	337	12.8
Sweet Grass	139	11.9	1 483	4.4	224	5.4	2 113	3.8	81	15.9	98	7.0
Teton	162	10.9	10 154	2.4	276	8.1	5 289	2.5	370	4.6	1 707	4.9
Toole	89	19.4	1 199	5.6	133	13.9	1 556	5.5	211	7.4	989	7.0
Treasure	61	8.3	3 231	.8	75	6.3	916	3.0	65	6.6	335	2.0
Valley	201	11.4	2 224	11.5	305	8.6	2 355	6.6	273	9.4	657	7.7
Wheatland	63	9.0	2 407	4.1	107	5.7	2 349	3.8	62	8.8	122	5.7
Wibaux	78	7.1	1 357	5.5	117	5.1	845	5.1	73	8.1	113	7.6
Yellowstone	384	7.9	32 258	1.5	573	6.1	13 203	1.4	380	5.4	1 526	3.4

Geographic area	Farm production expenses ¹ —Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Montana	11 374	1.4	85 281	1.2	11 796	1.4	57 078	1.5	21 591	.9	108 667	.7
Beaverhead	180	6.6	1 925	2.4	129	9.8	439	3.4	325	2.2	2 546	2.2
Big Horn	241	9.2	3 630	6.1	222	10.5	1 863	10.8	478	1.9	3 598	3.7
Blaine	227	10.8	1 472	4.8	209	10.7	1 397	2.8	498	2.3	3 143	3.8
Broadwater	126	4.1	1 336	4.9	113	7.4	517	8.9	191	1.2	986	4.0
Carbon	321	7.1	1 629	6.7	267	7.8	697	9.1	570	2.5	2 170	3.6
Carter	47	15.3	251	.7	121	10.9	359	10.0	304	.7	1 474	3.8
Cascade	391	6.9	3 656	4.9	432	6.5	2 102	11.0	732	2.7	3 043	2.9
Chouteau	558	4.0	8 460	6.3	527	4.4	4 156	7.9	694	2.2	5 485	3.2
Custer	169	11.3	768	6.1	110	10.5	457	8.2	376	1.0	1 943	2.6
Daniels	120	14.3	595	9.1	246	6.4	1 331	5.2	323	1.5	2 032	3.9
Dawson	316	5.6	1 899	4.6	286	5.5	1 469	9.0	424	3.0	2 435	5.2
Deer Lodge	29	4.8	141	2.2	19	6.6	36	2.7	66	3.6	233	2.0
Fallon	115	12.3	492	6.7	124	11.4	505	18.5	290	3.0	1 426	4.5
Fergus	462	5.2	3 845	6.6	517	4.8	2 033	4.6	786	1.6	4 419	2.7
Flathead	434	6.9	1 779	5.9	309	8.0	740	6.6	714	3.2	1 166	4.1
Gallatin	465	4.9	3 362	3.5	400	5.9	1 198	4.4	748	1.8	2 844	3.0
Garfield	89	15.0	456	2.7	120	7.1	690	9.9	255	1.0	1 825	4.7
Glacier	186	6.2	2 699	5.1	181	11.9	1 990	1.6	365	3.7	2 597	3.6
Golden Valley	61	9.1	325	7.8	47	10.4	181	4.6	120	2.0	570	3.7
Granite	56	7.4	245	5.5	60	8.5	85	10.6	133	2.3	602	3.1
Hill	368	7.2	3 544	5.1	465	4.3	2 998	5.6	628	1.1	4 059	3.6
Jefferson	45	20.5	160	7.8	94	13.1	133	9.9	227	2.6	603	4.0
Judith Basin	151	7.8	1 555	6.0	237	8.8	1 689	12.5	328	1.3	1 682	4.2
Lake	474	7.8	1 423	7.2	498	6.9	863	6.2	866	2.4	2 054	3.6
Lewis and Clark	218	10.4	679	7.7	155	12.6	311	6.9	390	4.5	1 327	5.9
Liberty	176	6.6	2 420	8.6	177	7.3	2 072	10.7	264	2.4	2 537	3.7
Lincoln	120	12.3	75	37.5	54	34.0	26	69.1	198	3.5	315	13.0
McCone	231	8.5	1 546	8.2	303	4.0	1 756	10.0	396	2.1	2 361	5.8
Madison	176	8.6	1 369	6.6	182	10.4	334	6.3	404	2.0	1 892	3.5
Meagher	57	3.5	515	2.3	71	5.1	222	.5	123	1.4	944	1.2
Mineral	29	5.6	51	10.8	38	5.1	25	12.7	61	4.1	68	3.8
Missoula	167	13.6	245	26.5	167	13.6	118	29.5	384	4.6	500	9.1
Musselshell	67	15.2	407	4.2	114	12.8	334	3.6	240	3.2	982	4.6
Park	141	12.5	483	8.9	219	7.5	326	19.9	369	2.2	1 340	7.6

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	Farm production expenses ¹ —Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Petroleum	16	20.1	117	8.0	55	9.5	176	9.6	100	3.3	627	3.5
Phillips	212	8.1	1 447	6.8	224	9.6	1 334	10.3	461	2.6	3 210	2.2
Pondera	367	5.3	4 111	4.4	324	6.1	1 932	7.0	461	1.2	2 744	3.4
Powder River	70	13.8	234	1.0	97	12.8	332	3.8	292	.8	1 799	4.6
Powell	103	12.9	948	8.6	110	14.7	278	19.5	232	1.4	964	5.7
Prairie	111	6.3	648	3.9	104	6.7	455	7.7	150	4.3	1 042	2.1
Ravalli	508	7.1	828	6.1	239	12.8	136	10.5	851	2.6	1 215	8.3
Richland	326	6.3	3 071	6.2	337	5.8	2 310	10.1	532	2.6	3 545	2.5
Roosevelt	246	8.4	1 495	5.0	363	6.1	2 525	7.4	508	2.6	3 063	4.3
Rosebud	137	14.7	1 044	5.3	193	7.6	731	4.9	355	.9	2 220	3.2
Sanders	128	15.9	321	9.4	90	19.8	103	22.7	306	5.5	693	10.6
Sheridan	195	11.9	1 481	21.5	323	5.6	1 795	10.0	495	2.7	3 059	5.6
Silver Bow	12	2.2	30	.1	48	10.6	35	17.9	94	4.9	163	5.5
Stillwater	214	10.8	1 444	5.8	250	9.3	946	12.5	411	2.8	1 924	4.7
Sweet Grass	114	13.9	387	10.8	167	7.7	252	21.0	290	2.2	1 239	7.9
Teton	454	4.0	5 378	3.1	422	4.4	2 813	4.5	554	.8	3 145	2.6
Toole	130	13.2	1 001	8.7	228	7.7	2 151	7.3	326	2.4	2 271	4.8
Treasure	58	8.0	1 210	.9	60	8.1	669	.3	111	2.6	1 122	2.4
Valley	232	10.4	1 407	9.8	303	7.7	1 988	6.4	557	3.2	3 428	4.2
Wheatland	75	7.3	991	7.8	94	6.4	474	2.8	141	2.7	1 083	2.6
Wibaux	71	6.6	438	7.5	80	7.4	319	8.0	156	2.7	747	4.0
Yellowstone	582	5.6	3 812	2.7	472	6.1	1 875	2.4	948	1.9	4 166	3.1
	Farm production expenses ¹ —Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Montana	17 808	1.1	29 742	1.0	8 191	1.6	107 632	.8	4 130	2.6	15 244	3.1
Beaverhead	270	4.5	1 737	4.0	179	5.9	7 266	1.9	102	11.0	790	9.4
Big Horn	349	6.9	1 126	3.4	293	8.5	6 240	2.8	110	16.2	1 079	30.3
Blaine	406	5.7	682	5.4	211	10.6	2 144	5.5	118	15.8	640	8.8
Broadwater	182	5.3	861	5.7	95	8.7	1 524	3.9	48	21.6	197	14.1
Carbon	517	3.4	642	10.0	200	10.4	1 924	4.8	138	12.9	374	7.2
Carter	232	7.3	272	2.8	119	8.5	1 014	6.2	97	16.3	292	13.6
Cascade	575	5.0	866	5.5	262	9.2	3 382	2.6	120	15.5	377	8.9
Chouteau	600	3.9	895	3.8	314	6.6	4 106	5.8	136	11.0	609	10.5
Custer	309	5.7	461	4.7	94	9.7	2 258	(L)	89	19.8	510	9.6
Daniels	294	3.3	305	7.0	117	12.1	1 255	14.0	40	24.5	107	16.2
Dawson	367	5.2	438	6.1	161	11.1	1 748	8.7	88	17.9	396	17.8
Deer Lodge	47	4.0	194	1.9	27	4.3	364	.6	10	7.4	51	4.1
Fallon	261	4.5	311	4.2	66	13.0	639	6.2	49	25.8	125	25.6
Fergus	628	4.0	782	3.3	265	9.1	2 249	4.1	139	13.0	576	6.7
Flathead	526	6.0	678	4.9	199	11.2	2 240	4.5	128	17.4	211	15.0
Gallatin	609	3.6	1 889	4.1	341	6.6	5 143	.9	162	12.5	529	11.2
Garfield	218	5.9	383	5.8	84	8.0	1 211	5.3	76	11.2	310	7.3
Glacier	269	8.8	536	4.7	134	11.3	1 898	8.9	40	16.2	119	2.3
Golden Valley	100	5.7	148	6.7	38	8.6	822	2.9	31	15.4	60	5.1
Granite	116	3.2	202	3.7	59	7.0	734	3.1	39	8.9	70	7.3
Hill	541	2.7	734	5.3	173	9.4	1 624	11.0	71	16.5	229	11.9
Jefferson	164	7.9	288	5.6	78	16.8	650	4.0	35	33.4	58	30.1
Judith Basin	247	7.6	398	4.7	140	14.0	1 512	5.8	51	—	277	—
Lake	661	5.1	933	4.7	407	8.2	2 742	4.0	150	15.6	558	21.4
Lewis and Clark	369	4.5	600	6.6	94	16.8	1 630	9.6	71	21.3	147	13.1
Liberty	232	5.1	524	3.3	124	10.2	2 247	8.2	50	10.1	274	21.2
Lincoln	156	5.4	127	9.8	75	18.7	217	50.8	33	35.8	33	64.3
McCone	298	6.9	365	6.0	124	12.8	1 088	2.9	86	15.1	265	7.4
Madison	343	4.5	1 120	11.0	167	7.3	3 736	3.0	106	15.8	238	14.6
Meagher	101	3.7	285	1.9	72	4.4	2 182	2.3	35	9.1	217	1.0
Mineral	40	4.6	31	3.5	22	5.9	85	5.4	14	6.8	12	4.5
Missoula	351	5.5	294	10.0	138	14.5	767	9.5	53	27.4	84	31.9
Musselshell	216	5.7	241	9.0	91	10.0	929	3.9	37	24.3	92	8.8
Park	292	6.2	440	7.3	108	16.5	1 553	16.8	41	18.5	111	5.2
Petroleum	92	4.4	172	6.5	34	11.9	395	2.7	38	13.6	130	1.9
Phillips	370	4.6	578	4.1	186	7.7	2 485	4.6	63	19.2	290	11.2
Pondera	319	7.2	746	7.5	187	8.1	1 785	4.4	92	15.1	304	27.4
Powder River	228	6.2	318	5.2	138	8.5	1 581	2.2	43	12.6	113	24.4
Powell	203	6.2	513	15.4	95	13.2	2 377	4.2	67	20.0	100	10.8
Prairie	131	5.4	231	2.2	68	5.9	813	2.1	27	18.6	66	4.5
Ravalli	675	5.0	592	7.0	304	10.6	2 315	8.3	118	17.0	225	10.8
Richland	457	4.6	584	3.6	197	9.2	2 017	3.5	132	12.1	515	2.2
Roosevelt	386	5.7	392	6.6	133	9.9	1 400	9.3	101	20.7	312	10.6
Rosebud	301	5.3	489	4.6	126	9.2	3 381	.7	36	17.6	154	4.1

See footnotes at end of table.

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

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

Geographic area	Farm production expenses ¹ —Con.											
	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)
Sanders	236	10.0	275	9.1	141	16.2	1 692	2.6	60	27.3	66	14.0
Sheridan	430	4.6	634	17.1	176	13.4	1 030	16.6	83	22.9	318	39.1
Silver Bow	66	6.9	83	3.5	29	6.9	193	1.6	10	16.2	13	25.8
Stillwater	400	4.0	400	4.9	150	13.4	1 965	4.3	80	19.2	341	22.1
Sweet Grass	236	5.0	355	12.2	137	12.4	1 332	5.1	49	25.6	139	33.7
Teton	428	4.7	987	5.3	220	7.8	2 584	8.4	140	12.9	408	9.1
Toole	282	5.9	348	7.0	171	9.7	1 768	4.4	42	16.9	161	18.8
Treasure	82	4.7	257	2.5	51	6.3	1 649	.8	21	2.3	184	.4
Valley	523	3.1	660	4.3	162	11.6	1 535	6.8	111	19.6	548	29.4
Wheatland	120	4.9	213	3.4	59	9.2	1 414	1.9	44	11.6	148	4.6
Wibaux	128	4.1	156	5.3	44	7.9	373	5.8	20	16.1	95	19.9
Yellowstone	829	3.5	969	3.8	312	8.2	4 425	2.0	160	11.1	597	5.1
Geographic area	Farm production expenses ¹ —Con.											
	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest expense			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Montana	19 724	1.0	113 906	.9	7 393	1.9	32 543	2.2	13 200	1.3	146 474	1.0
Beaverhead	299	3.8	2 955	1.9	118	9.3	760	9.0	215	5.2	5 829	2.1
Big Horn	420	4.2	4 469	4.5	179	11.7	1 585	9.3	347	6.8	5 249	3.9
Blaine	482	3.3	3 429	5.2	243	10.5	1 075	5.4	335	7.3	4 470	6.0
Broadwater	196	3.2	960	5.3	47	18.3	200	2.7	129	8.1	2 208	8.7
Carbon	536	3.5	2 541	5.2	207	10.8	462	10.9	349	6.5	2 968	5.6
Carter	270	5.0	1 515	9.7	95	9.8	474	6.0	246	4.6	2 414	5.3
Cascade	653	4.1	3 547	3.4	210	11.6	993	10.4	421	8.1	4 228	4.8
Chouteau	627	3.5	5 280	3.8	331	7.0	2 093	11.0	471	4.9	5 672	4.7
Custer	304	6.4	2 167	3.6	104	10.1	482	7.7	174	7.3	3 618	3.2
Daniels	300	3.9	2 091	8.3	159	9.6	584	8.2	203	8.4	2 588	9.0
Dawson	419	3.0	2 372	4.9	204	9.5	898	8.8	264	7.8	3 072	7.2
Deer Lodge	51	4.1	247	2.3	18	5.0	51	5.6	36	4.2	781	1.0
Fallon	289	2.6	1 329	4.8	89	18.1	257	10.4	172	11.5	1 682	12.1
Fergus	735	2.5	4 149	3.9	271	9.2	993	7.6	536	4.9	5 360	5.5
Flathead	650	4.2	2 009	7.1	183	13.4	443	12.2	243	11.4	2 282	8.9
Gallatin	675	2.6	3 478	2.7	295	8.0	885	6.0	424	6.4	3 825	7.9
Garfield	237	4.4	1 514	5.3	95	14.0	1 267	6.1	166	8.1	2 605	7.2
Glacier	338	5.6	2 185	2.9	129	11.0	1 561	4.2	190	11.4	2 053	5.7
Golden Valley	112	4.1	543	4.2	39	8.1	170	8.9	83	5.6	758	8.0
Granite	121	3.4	548	3.4	26	7.7	39	5.5	95	4.8	1 196	11.6
Hill	577	2.9	4 483	5.3	241	9.6	1 413	16.7	496	3.9	4 916	5.8
Jefferson	192	4.7	559	8.7	34	28.1	41	3.5	120	14.3	901	5.8
Judith Basin	288	5.9	1 693	8.7	99	15.3	281	5.1	235	7.5	2 642	7.3
Lake	827	3.1	2 604	5.8	255	12.0	443	16.5	553	5.5	3 636	7.0
Lewis and Clark	392	3.7	1 235	5.0	137	15.5	259	10.6	252	8.4	2 176	10.0
Liberty	248	3.6	2 508	8.5	97	10.9	813	11.6	166	8.5	2 410	10.1
Lincoln	191	7.4	291	8.4	37	33.6	25	20.2	87	24.8	503	40.2
McCone	376	3.0	2 328	7.3	154	13.6	674	6.7	250	8.3	2 656	6.2
Madison	356	4.7	2 103	3.9	123	13.1	430	5.9	268	6.7	3 805	5.3
Meagher	111	3.1	1 306	1.2	51	8.6	456	4.7	67	4.3	2 121	1.3
Mineral	51	4.3	107	5.4	15	7.0	36	12.8	26	5.0	76	6.5
Missoula	353	5.8	973	21.9	79	24.2	85	47.7	149	15.1	432	14.5
Musselshell	221	5.6	882	7.2	50	23.3	452	3.2	145	11.0	1 272	4.7
Park	320	4.6	1 354	8.5	68	18.0	174	13.9	179	10.2	1 883	8.0
Petroleum	90	5.1	672	11.0	35	16.1	266	7.5	80	5.7	946	6.0
Phillips	437	3.3	2 956	6.1	191	9.0	909	6.0	320	5.7	4 316	5.7
Pondera	376	5.7	2 875	5.0	198	9.3	762	9.3	311	6.6	2 726	7.3
Powder River	277	2.5	1 538	2.8	87	14.3	254	2.5	212	6.3	2 249	1.6
Powell	173	8.6	1 204	8.0	38	30.6	56	23.9	122	15.4	1 003	5.6
Prairie	135	5.1	1 106	2.8	86	8.1	316	8.2	123	5.5	1 529	4.2
Ravalli	717	4.6	1 504	5.6	278	11.6	330	10.9	372	8.7	1 883	7.5
Richland	473	4.1	3 609	3.9	199	9.2	730	5.0	329	7.2	4 015	3.8
Roosevelt	467	3.9	3 141	6.1	183	11.6	738	10.3	319	7.3	2 543	8.2
Rosebud	338	2.4	2 308	5.4	114	16.4	787	6.0	197	10.9	3 262	6.1
Sanders	271	7.9	678	5.5	81	24.2	86	29.2	129	14.4	814	9.7
Sheridan	448	3.9	2 814	8.3	169	14.4	470	17.9	298	8.7	3 208	11.9
Silver Bow	81	6.4	139	4.4	30	14.7	40	6.2	32	13.2	183	9.3
Stillwater	394	4.3	2 058	4.1	194	12.7	863	11.0	244	8.7	2 884	7.2
Sweet Grass	272	3.8	1 324	9.4	80	16.7	179	7.4	183	8.6	1 852	8.9
Teton	480	3.8	3 243	5.6	181	10.8	769	4.5	401	5.1	4 143	7.2
Toole	306	4.2	2 394	8.8	139	11.9	1 554	33.6	261	6.9	2 853	7.9
Treasure	95	5.4	1 000	2.8	33	7.6	204	2.8	88	4.7	1 400	4.4
Valley	535	3.8	3 017	5.2	186	10.4	685	10.3	336	7.2	4 422	6.2
Wheatland	125	4.1	1 376	2.7	54	10.1	254	11.8	76	7.4	1 183	6.0
Wibaux	135	4.3	725	4.3	64	9.4	192	14.6	98	6.3	915	5.9
Yellowstone	882	2.8	4 468	3.3	291	9.3	1 242	2.4	577	5.4	5 859	3.0

See footnotes at end of table.

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

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

Geographic area	Farm production expenses ¹ —Con.											
	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)
Montana	6 914	1.9	73 717	1.7	21 382	.9	74 177	.9	21 593	1.0	192 194	.7
Beaverhead	69	14.3	879	1.9	314	3.6	2 108	1.6	334	2.1	8 247	2.7
Big Horn	190	10.3	5 071	7.1	449	3.0	2 350	3.0	475	2.5	10 414	1.5
Blaine	112	10.8	2 051	9.0	475	3.6	1 976	4.5	479	3.1	4 684	4.7
Broadwater	41	21.8	311	8.7	197	2.8	647	5.2	199	2.7	1 965	2.6
Carbon	124	12.5	960	9.7	578	1.9	1 524	11.2	591	1.5	3 555	5.0
Carter	80	9.0	847	4.6	306	.7	1 054	4.5	305	.7	3 029	8.0
Cascade	227	10.4	2 507	4.1	745	2.2	2 505	3.5	741	2.4	5 842	3.4
Chouteau	231	8.4	3 149	5.4	689	2.2	4 671	4.3	722	1.7	7 666	3.7
Custer	132	9.8	1 569	5.0	347	3.0	1 517	5.2	359	3.8	4 113	1.8
Daniels	104	14.1	744	12.9	315	2.6	1 278	5.2	309	3.6	2 328	9.1
Dawson	140	10.6	1 060	13.6	436	2.3	1 545	5.1	431	2.6	3 594	5.9
Deer Lodge	16	6.7	115	4.9	65	3.7	204	1.3	63	3.7	526	1.6
Fallon	114	16.7	602	9.9	301	1.2	738	8.3	294	2.2	2 129	5.3
Fergus	244	7.1	2 637	9.0	776	1.8	2 958	2.4	788	1.7	6 996	3.6
Flathead	142	16.2	595	10.1	795	1.6	1 619	9.5	714	3.3	2 696	9.6
Gallatin	290	8.4	2 779	5.4	719	2.5	2 004	4.2	745	2.0	6 227	2.1
Garfield	80	11.2	1 050	.6	236	5.2	1 083	3.7	261	1.0	2 958	3.7
Glacier	187	12.3	3 211	11.9	347	4.5	1 291	3.7	349	4.2	4 096	3.0
Golden Valley	56	7.7	641	4.1	115	2.2	353	3.8	121	2.0	961	3.4
Granite	41	10.1	263	7.0	136	1.8	451	3.0	128	2.6	1 162	3.1
Hill	155	12.0	1 929	14.7	582	3.4	2 631	4.0	623	1.5	5 276	4.1
Jefferson	36	27.8	234	4.3	227	3.6	405	4.7	221	3.4	1 134	3.1
Judith Basin	111	13.3	1 593	17.1	326	1.3	1 292	4.3	327	1.3	3 498	3.1
Lake	243	10.4	1 599	10.5	868	2.8	2 104	5.4	880	2.4	4 328	5.3
Lewis and Clark	75	18.3	429	10.3	410	2.7	1 247	6.5	394	3.5	2 619	5.3
Liberty	102	14.8	1 495	14.4	262	2.1	1 650	5.5	274	.8	3 979	5.8
Lincoln	25	50.3	30	45.9	217	1.7	295	5.6	195	7.0	322	15.1
McCone	123	15.0	1 477	24.5	370	3.9	1 450	5.4	394	2.3	3 748	5.5
Madison	95	13.9	1 020	10.9	394	3.1	1 423	2.9	394	2.9	5 430	6.1
Meagher	41	6.3	720	1.7	130	1.8	630	1.8	128	3.0	2 520	1.9
Mineral	12	8.8	21	11.7	58	4.2	84	4.4	60	4.2	123	2.3
Missoula	108	19.0	412	36.6	419	3.2	778	10.9	398	3.8	925	8.0
Musselshell	71	13.3	1 375	1.5	251	1.3	528	2.1	239	3.6	1 701	3.6
Park	98	17.4	671	7.7	371	1.8	1 044	7.9	361	2.7	2 183	5.9
Petroleum	49	10.3	622	3.2	103	1.2	431	3.4	105	1.2	1 558	4.4
Phillips	149	10.9	1 724	11.2	452	2.7	1 772	3.1	458	2.6	5 409	3.4
Pondera	145	10.5	2 148	11.4	409	4.2	1 716	5.2	436	3.5	4 432	6.2
Powder River	114	10.2	834	5.6	275	3.4	1 329	4.3	286	2.4	3 178	1.2
Powell	79	21.0	518	17.9	223	4.0	945	21.9	216	5.3	2 729	11.0
Prairie	74	7.6	635	4.0	162	1.2	744	5.8	152	3.9	1 968	1.6
Ravalli	214	13.6	708	9.8	906	1.7	1 209	4.1	830	2.9	2 844	4.0
Richland	202	9.1	2 419	9.8	507	3.3	1 790	4.6	545	1.9	4 568	2.5
Roosevelt	210	10.7	2 953	7.3	486	2.6	1 334	5.6	503	2.6	3 923	5.7
Rosebud	148	9.5	2 127	9.5	300	5.8	910	3.9	341	3.0	3 974	2.6
Sanders	54	26.0	202	10.7	337	2.9	628	6.9	304	5.7	1 340	3.3
Sheridan	157	14.8	953	23.2	493	3.1	1 302	5.8	496	2.7	3 590	8.6
Silver Bow	21	21.0	31	29.8	101	3.6	150	4.9	90	4.6	272	4.2
Stillwater	153	13.8	1 276	11.8	411	3.7	1 206	4.8	426	2.8	3 142	4.9
Sweet Grass	111	15.8	656	17.5	274	4.2	917	6.4	290	2.2	2 312	7.4
Teton	182	9.7	3 079	6.2	496	2.9	2 492	4.6	537	1.9	4 813	3.6
Toole	123	11.7	1 762	22.4	328	3.5	1 448	8.3	345	3.0	4 304	5.6
Treasure	52	6.6	776	1.2	100	4.1	505	4.1	108	3.6	1 823	1.3
Valley	284	10.1	2 276	9.5	556	3.5	2 323	5.5	585	2.5	5 367	5.9
Wheatland	60	9.5	711	2.9	144	2.4	655	2.7	143	2.4	2 034	2.9
Wibaux	60	7.9	524	6.9	153	2.7	392	3.7	157	2.6	876	5.0
Yellowstone	358	8.1	2 736	4.0	940	1.9	2 542	3.9	944	2.0	6 764	2.9

Geographic area	Net cash return from agricultural sales for the farm unit (see text) ¹				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
	Montana	22 824	.9	333 711	1.4	19 442	.9	17 494 553	.4	17 100	.8	8 199 296
Beaverhead	346	.7	13 527	2.8	282	.8	226 793	.3	236	.9	144 355	.3
Big Horn	484	1.9	28 442	2.9	393	2.0	386 561	.8	361	2.1	218 906	.6
Blaine	515	1.6	8 533	10.1	444	1.3	586 725	.7	391	1.2	256 244	.6
Broadwater	205	1.3	2 893	12.6	179	1.2	128 814	1.0	157	1.5	65 737	.9
Carbon	599	1.3	9 858	6.5	528	1.3	170 749	1.3	460	1.3	89 241	1.1
Carter	308	.7	6 177	7.5	254	.7	219 869	.8	218	.8	89 170	.5
Cascade	792	1.2	6 774	11.0	647	1.0	497 309	.7	562	1.1	254 290	.5
Chouteau	737	.7	651	(H)	688	.7	1 297 630	.4	614	.7	554 420	.4
Custer	380	1.0	6 908	6.0	306	1.0	189 297	.7	277	1.1	91 981	.4
Daniels	325	1.4	6 852	6.8	307	1.5	(D)	(D)	275	1.5	205 793	.9
Dawson	451	1.1	10 124	5.4	400	1.1	(D)	(D)	381	1.1	206 698	.7
Deer Lodge	70	3.6	659	2.4	59	2.0	25 015	2.1	50	2.5	14 547	1.3
Fallon	302	1.2	5 134	10.8	248	1.3	(D)	(D)	220	1.3	95 307	1.0
Fergus	804	1.2	13 042	7.6	684	1.0	692 452	.6	631	1.0	350 321	.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	Net cash return from agricultural sales for the farm unit (see text) ¹				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Flathead	812	1.0	5 079	10.7	690	1.0	109 009	.9	603	1.1	75 869	.8
Gallatin	788	1.0	14 797	4.4	659	.9	258 593	.8	577	1.0	157 782	.7
Garfield	263	1.0	5 483	10.1	186	.7	300 003	.3	166	.7	118 333	.4
Glacier	377	2.3	6 380	9.7	301	2.1	534 879	.9	264	2.1	251 870	.8
Golden Valley	121	2.0	2 937	6.8	98	1.4	87 810	1.7	89	1.5	34 746	.9
Granite	138	1.8	2 239	7.5	112	1.4	51 647	1.3	96	1.7	30 732	.9
Hill	642	.9	2 108	57.5	589	1.1	1 114 259	.6	529	1.1	467 994	.6
Jefferson	236	1.0	1 763	9.1	199	1.1	73 204	1.0	155	1.5	31 729	.7
Judith Basin	328	1.3	6 019	11.3	280	1.4	280 291	.9	257	1.4	159 838	.7
Lake	949	1.1	6 991	8.4	841	1.2	148 164	1.2	719	1.3	80 614	1.2
Lewis and Clark	437	1.2	3 470	12.3	354	1.3	95 418	1.0	304	1.4	55 277	.9
Liberty	274	.8	5 931	13.8	258	.7	622 327	.4	247	.7	286 085	.4
Lincoln	218	1.7	214	(H)	189	1.3	13 779	1.9	156	1.6	8 219	2.4
McCone	415	.8	7 405	10.6	373	.9	533 266	.6	337	.9	239 962	.6
Madison	418	1.1	6 169	5.6	353	.9	166 156	.9	298	1.1	94 767	.6
Meagher	134	1.3	3 477	3.7	101	1.2	103 414	.4	93	1.2	70 950	.4
Mineral	67	4.0	10	(H)	48	2.7	6 230	4.3	38	3.6	2 836	6.4
Missoula	450	1.4	615	(H)	367	1.3	47 448	2.5	287	1.5	22 845	2.4
Musselshell	253	1.3	1 028	32.6	183	1.5	148 763	1.4	149	1.7	67 984	.8
Park	385	.8	3 808	18.0	326	.9	146 987	.9	279	1.0	69 419	.7
Petroleum	105	1.2	3 099	8.8	83	.8	99 031	.4	69	.8	35 057	.4
Phillips	479	1.0	8 063	6.9	415	1.1	597 485	.6	369	1.1	236 845	.5
Pondera	463	1.2	708	96.1	428	.9	587 103	.6	391	1.0	268 545	.6
Powder River	295	.8	5 756	10.6	237	.9	166 349	.6	208	.9	79 923	.5
Powell	234	1.4	2 646	12.4	189	1.3	84 565	1.0	161	1.5	58 510	.9
Prairie	165	1.2	3 538	5.1	152	1.0	(D)	(D)	136	1.1	55 734	.9
Ravalli	938	1.1	1 982	25.9	797	1.1	84 869	1.3	630	1.2	40 429	1.0
Richland	563	1.2	14 808	4.9	488	1.2	518 001	.8	450	1.2	256 002	.7
Roosevelt	525	1.5	8 627	10.7	495	1.5	735 237	.8	460	1.5	334 212	.7
Rosebud	357	.9	11 241	7.1	274	1.0	223 940	.6	243	1.1	125 429	.6
Sanders	347	1.2	2 489	12.5	292	1.1	54 699	1.9	256	1.3	31 176	1.4
Sheridan	526	1.2	8 850	10.2	486	1.2	624 832	.9	447	1.2	275 704	.8
Silver Bow	106	2.5	490	11.1	67	2.9	11 545	4.1	48	3.5	5 559	1.7
Stillwater	446	1.4	5 504	10.3	368	1.1	283 244	.9	333	1.2	128 528	.6
Sweet Grass	296	1.2	4 295	8.3	223	1.2	95 195	1.1	194	1.3	52 028	.7
Teton	556	.8	6 772	10.5	495	.7	610 236	.5	462	.8	297 523	.5
Toole	358	1.1	5 314	15.1	319	1.1	(D)	(D)	291	1.1	270 204	.5
Treasure	113	2.6	3 780	3.0	88	1.6	42 021	.9	80	1.7	29 709	.5
Valley	623	1.4	7 908	9.7	562	1.5	750 359	.9	493	1.4	309 203	.8
Wheatland	146	2.0	6 406	3.6	116	1.3	146 452	.6	104	1.4	88 372	.4
Wibaux	165	1.8	2 010	6.8	147	1.3	140 917	1.0	126	1.6	63 291	1.0
Yellowstone	995	.9	13 929	4.7	795	1.0	395 356	.7	673	1.0	192 452	.5
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)	Number	Relative standard error of estimate (percent)	Total	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Montana	8 883	.8	1 978 167	.4	13 813	.8	2 645 916	.3	12 366	.8	1 506 445	.3
Beaverhead	267	.9	256 862	.2	253	.9	155 850	.2	234	.9	84 303	.3
Big Horn	201	2.5	66 762	1.2	355	2.0	144 749	.4	331	2.1	77 927	.5
Blaine	175	1.8	48 690	1.1	327	1.3	71 797	.5	307	1.3	44 424	.5
Broadwater	143	1.6	45 691	1.3	130	1.8	22 578	1.0	125	1.8	13 582	1.0
Carbon	438	1.3	77 584	1.1	415	1.4	60 260	.9	370	1.5	29 126	1.2
Carter	19	3.5	6 328	1.3	235	.8	51 324	.4	229	.8	32 033	.4
Cascade	243	1.8	37 754	1.3	486	1.2	79 394	.6	429	1.2	49 357	.7
Chouteau	51	2.2	7 450	2.3	279	1.1	44 821	.7	264	1.1	29 567	.7
Custer	183	1.7	36 085	.7	277	1.2	90 125	.3	253	1.2	45 197	.5
Daniels	11	5.4	649	1.7	120	1.9	13 766	1.1	113	2.0	8 706	1.0
Dawson	91	2.4	15 482	1.4	295	1.2	41 314	.8	280	1.3	24 142	.9
Deer Lodge	56	2.1	20 233	1.3	53	2.3	7 154	1.0	45	2.6	4 039	1.2
Fallon	13	5.6	1 001	1.3	226	1.4	36 943	.8	215	1.4	24 425	.7
Fergus	79	2.3	11 150	1.4	592	1.0	103 711	.6	546	1.1	63 742	.5
Flathead	252	1.5	34 425	1.2	373	1.4	23 275	.9	276	1.6	10 518	1.2
Gallatin	424	1.2	94 547	.8	470	1.1	61 964	.6	360	1.4	30 188	.7
Garfield	14	4.5	2 182	1.8	193	.9	43 873	.3	174	1.0	27 855	.3
Glacier	65	2.9	23 778	1.6	213	2.6	38 989	1.5	201	2.6	23 345	1.4
Golden Valley	49	2.7	10 286	7.5	94	1.4	22 488	.7	92	1.5	(D)	(D)
Granite	104	1.5	39 996	.9	110	1.3	26 190	.6	105	1.4	17 264	.7
Hill	43	3.9	5 794	1.6	236	1.6	29 927	1.0	214	1.7	19 395	1.2
Jefferson	127	1.7	31 333	.5	156	1.4	23 169	.6	137	1.5	14 442	.7
Judith Basin	43	3.0	5 321	3.8	249	1.5	59 592	.7	232	1.5	36 532	.8
Lake	682	1.4	92 087	1.3	552	1.5	60 147	1.3	480	1.6	34 245	1.3
Lewis and Clark	291	1.5	39 798	1.4	234	1.6	40 848	1.0	190	1.8	22 885	.9
Liberty	15	4.2	6 786	2.4	81	1.8	17 423	1.0	77	1.9	10 738	1.1
Lincoln	84	2.6	4 233	3.9	127	1.9	4 852	2.2	99	2.3	3 110	2.7
McCone	39	3.5	8 336	3.1	225	1.2	34 095	.5	210	1.2	21 422	.5
Madison	331	1.0	107 507	.7	312	1.0	87 856	.4	276	1.1	52 147	.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	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)
Meagher	80	1.3	38 004	.6	103	1.2	52 805	.3	99	1.2	(D)	(D)
Mineral	34	4.1	1 342	4.5	29	4.7	1 210	3.8	24	5.1	633	3.4
Missoula	285	1.5	22 161	2.2	232	1.7	16 193	1.8	187	2.0	9 169	1.9
Musselshell	60	2.7	9 911	1.9	185	1.5	30 109	.7	168	1.6	18 497	.7
Park	260	1.1	57 309	.8	266	1.0	48 932	.7	240	1.1	30 785	.7
Petroleum	43	1.2	12 698	.5	85	1.1	28 610	.3	81	1.2	19 361	.2
Phillips	186	1.8	42 443	1.5	327	1.1	80 891	.4	293	1.2	44 740	.5
Pondera	197	1.5	56 396	1.2	219	1.4	24 617	1.0	209	1.5	16 432	1.1
Powder River	45	2.9	9 005	1.5	238	.9	70 262	.4	226	.9	41 160	.5
Powell	150	1.6	55 924	.8	164	1.5	49 590	.6	151	1.6	(D)	(D)
Prairie	52	2.3	11 681	1.1	126	1.2	35 839	.5	119	1.2	18 981	.6
Ravalli	817	1.0	65 717	.9	536	1.3	42 367	1.0	431	1.4	22 138	1.0
Richland	193	1.7	39 716	.8	327	1.4	52 576	.7	294	1.4	27 166	.7
Roosevelt	44	3.6	7 171	2.4	228	1.6	25 192	.9	220	1.6	16 030	.8
Rosebud	121	1.9	28 993	1.0	281	1.0	91 730	.3	264	1.1	49 084	.3
Sanders	137	2.0	18 856	3.3	248	1.3	25 010	1.1	225	1.4	15 263	1.1
Sheridan	25	4.2	4 569	3.8	213	1.9	17 650	1.4	204	1.9	12 447	1.4
Silver Bow	44	3.9	8 101	2.6	60	3.0	8 821	2.5	56	3.2	5 850	2.0
Stillwater	189	1.7	27 264	1.8	364	1.1	52 036	.6	336	1.2	31 331	.7
Sweet Grass	183	1.4	47 820	1.0	232	1.1	50 174	.6	218	1.2	30 300	.6
Teton	277	1.2	109 758	.6	287	1.2	66 200	.4	268	1.2	40 209	.5
Toole	17	3.9	2 021	2.9	126	1.8	17 636	1.1	122	1.8	11 730	1.1
Treasure	61	1.9	21 936	.5	90	1.4	31 210	.4	81	1.6	13 567	.6
Valley	185	1.9	36 999	1.3	327	1.5	60 144	.6	302	1.5	38 150	.6
Wheatland	64	1.9	29 514	.4	109	1.3	34 927	.4	104	1.4	20 785	.5
Wibaux	10	5.4	1 467	16.2	125	1.6	20 279	.8	111	1.8	11 157	.9
Yellowstone	591	1.1	73 261	.7	618	1.1	112 432	.4	469	1.2	35 458	.7
Livestock and poultry – Con.												
Geographic area	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Montana	1 092	1.0	22 409	.4	1 056	1.3	222 966	.5	2 507	1.1	634 361	.5
Beaverhead	20	3.3	65	1.3	9	10.0	367	15.7	54	2.9	20 901	.6
Big Horn	18	7.4	64	20.0	19	6.4	9 683	1.1	39	5.1	6 294	4.1
Blaine	19	5.7	76	24.1	28	5.3	5 100	2.9	65	3.9	13 529	2.0
Broadwater	5	11.0	6	14.5	11	9.3	2 066	12.7	19	5.9	8 200	2.5
Carbon	25	5.7	223	7.8	15	8.1	912	11.3	120	2.9	15 289	4.1
Carter	36	2.8	62	3.2	12	6.3	1 115	5.9	125	1.3	94 474	.4
Cascade	27	5.3	980	2.0	31	5.4	15 073	.7	76	3.2	14 147	1.7
Chouteau	9	5.4	48	11.1	35	3.7	8 814	2.1	27	4.0	2 500	2.7
Custer	26	5.4	64	8.4	15	7.6	1 188	7.6	56	3.4	11 903	2.5
Daniels	3	17.2	7	21.3	14	6.7	4 669	1.8	21	5.9	2 176	5.7
Dawson	26	4.6	454	1.0	26	5.1	2 224	9.2	33	4.6	6 005	3.0
Deer Lodge	7	8.5	10	13.1	–	–	–	–	5	11.8	630	12.6
Fallon	12	6.7	97	1.1	32	4.8	2 846	9.9	37	4.1	6 945	5.8
Fergus	38	3.1	486	5.0	36	4.0	6 771	1.3	104	2.8	11 052	3.0
Flathead	46	4.1	1 898	.7	55	3.6	8 813	1.3	44	5.0	1 619	5.2
Gallatin	67	2.2	5 339	.6	32	4.8	3 652	3.4	85	3.1	8 576	4.5
Garfield	22	–	94	–	7	7.1	402	.4	82	1.5	81 967	.5
Glacier	9	9.4	318	.6	19	6.9	13 804	.4	15	10.0	1 783	8.8
Golden Valley	3	12.9	(D)	(D)	7	11.6	1 773	9.8	18	6.4	11 577	2.0
Granite	7	9.8	17	8.1	4	11.7	(D)	(D)	9	7.1	890	7.3
Hill	12	6.6	210	1.1	24	4.6	13 199	.9	18	7.2	993	3.7
Jefferson	22	5.6	219	9.3	13	7.8	1 629	2.4	20	6.5	1 110	9.8
Judith Basin	19	6.8	118	1.4	9	11.1	858	11.9	57	3.9	10 227	3.5
Lake	75	3.1	2 238	1.1	28	5.8	3 849	4.6	60	3.8	6 630	4.4
Lewis and Clark	11	9.3	227	1.8	13	8.4	2 046	2.7	36	5.1	8 503	2.1
Liberty	7	4.6	443	.1	17	4.9	13 182	1.9	7	10.7	707	14.3
Lincoln	20	6.4	38	6.8	15	7.2	828	19.7	9	11.0	323	14.7
McCone	22	4.1	62	3.2	27	4.3	1 735	4.0	42	3.2	21 519	1.0
Madison	18	5.0	32	3.7	21	5.3	2 058	4.8	84	2.8	17 655	3.0
Meagher	5	7.7	(D)	(D)	4	–	(D)	(D)	12	–	6 461	–
Mineral	–	–	–	–	1	33.1	(D)	(D)	8	11.0	545	12.0
Missoula	13	8.6	40	11.5	17	6.9	369	22.8	42	4.5	1 901	5.6
Musselshell	18	6.1	40	4.6	8	9.7	1 398	5.9	39	4.4	18 894	2.3
Park	25	4.7	278	1.4	16	6.7	1 385	3.9	51	3.7	6 110	6.9
Petroleum	8	3.9	15	2.1	1	–	(D)	(D)	19	4.5	4 725	2.6
Phillips	21	5.5	54	5.2	30	3.8	5 356	1.7	50	3.9	15 551	2.0
Pondera	10	5.8	401	.1	21	6.0	13 800	1.5	32	5.5	6 147	5.1
Powder River	26	3.9	81	2.1	10	9.1	944	19.5	69	2.5	25 386	1.4
Powell	14	7.6	(D)	(D)	13	7.8	912	5.0	42	4.6	2 623	5.6

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	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)
Prairie	10	6.5	25	4.3	6	8.3	518	.2	16	3.7	6 450	5.2
Ravalli	52	3.6	2 487	.8	44	4.6	1 555	5.9	89	3.3	5 729	4.9
Richland	25	4.7	104	3.7	32	5.9	3 894	2.0	58	4.2	9 965	4.3
Roosevelt	9	7.2	21	7.9	40	4.7	2 964	5.5	29	5.2	11 942	2.3
Rosebud	26	4.7	103	6.9	13	6.6	1 695	4.0	36	4.0	14 878	1.6
Sanders	16	6.2	281	.4	14	8.9	511	19.5	12	8.2	385	9.6
Sheridan	10	11.9	30	19.7	36	5.6	3 942	5.5	41	4.7	5 128	5.7
Silver Bow	4	13.1	6	12.1	5	14.7	45	19.5	6	13.1	378	10.5
Stillwater	20	4.8	217	1.2	21	3.8	6 584	.7	86	2.8	19 482	2.7
Sweet Grass	24	5.5	46	5.5	15	6.9	3 534	3.2	89	2.6	20 261	2.9
Teton	14	7.2	536	3.8	15	6.0	10 891	.5	53	3.3	11 546	2.2
Toole	15	5.9	189	.6	17	6.7	11 844	3.2	24	5.8	2 185	4.7
Treasure	4	—	7	—	5	5.4	139	2.2	5	8.4	441	14.3
Valley	22	5.6	146	2.0	36	5.0	2 006	4.9	48	4.5	6 183	6.4
Wheatland	11	6.0	311	.4	10	6.2	10 062	.3	48	2.4	29 589	1.1
Wibaux	11	8.4	225	13.9	16	8.1	617	9.6	12	7.4	2 747	6.3
Yellowstone	48	4.0	2 286	1.3	36	4.9	641	5.4	124	2.7	10 605	3.7

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)
Montana	1 127	1.3	555 953	.4	47	4.1	47 505	.5
Beaverhead	7	8.6	268	7.3	—	—	—	—
Big Horn	17	8.4	752	7.8	1	49.1	(D)	(D)
Blaine	16	5.5	2 572	.7	—	—	—	—
Broadwater	4	9.9	(D)	(D)	—	—	—	—
Carbon	30	6.2	488	7.4	2	16.7	(D)	(D)
Carter	23	4.4	370	4.8	—	—	—	—
Cascade	46	4.3	37 945	.4	2	18.4	(D)	(D)
Chouteau	19	4.8	586	5.2	1	35.2	(D)	(D)
Custer	27	6.1	632	6.7	—	—	—	—
Daniels	9	10.9	329	12.4	—	—	—	—
Dawson	18	6.3	600	8.7	—	—	—	—
Deer Lodge	1	41.0	(D)	(D)	—	—	—	—
Fallon	20	6.2	654	10.4	—	—	—	—
Fergus	26	5.9	3 167	1.1	2	—	(D)	(D)
Flathead	64	4.0	6 883	.7	1	31.5	(D)	(D)
Gallatin	37	5.3	(D)	(D)	1	34.2	(D)	(D)
Garfield	12	6.6	477	5.9	—	—	—	—
Glacier	11	9.9	33 615	.1	3	—	—	—
Golden Valley	6	16.2	89	19.4	—	—	12 900	—
Granite	2	—	(D)	(D)	—	—	—	—
Hill	16	7.7	(D)	(D)	—	—	—	—
Jefferson	15	7.7	424	12.8	1	38.3	(D)	(D)
Judith Basin	9	9.4	187	10.7	—	—	—	—
Lake	47	4.7	848	9.5	1	31.2	(D)	(D)
Lewis and Clark	27	5.9	(D)	(D)	—	—	—	—
Liberty	6	7.2	27 388	(L)	1	—	(D)	(D)
Lincoln	21	6.7	666	9.7	—	—	—	—
McCone	24	4.6	500	5.0	1	—	(D)	(D)
Madison	22	7.0	370	6.9	—	—	—	—
Meagher	7	—	(D)	(D)	1	—	(D)	(D)
Mineral	—	—	—	—	—	—	—	—
Missoula	32	5.2	788	13.4	4	14.7	354	27.2
Musselshell	19	6.6	715	3.7	—	—	—	—
Park	26	5.6	1 030	9.7	2	17.8	(D)	(D)
Petroleum	2	—	(D)	(D)	—	—	—	—
Phillips	25	5.6	1 052	2.7	1	—	(D)	(D)
Pondera	16	7.6	(D)	(D)	1	—	(D)	(D)
Powder River	16	5.3	259	4.2	—	—	—	—
Powell	19	7.2	383	10.8	4	19.3	108	22.7
Prairie	15	5.2	628	2.6	1	—	(D)	(D)
Ravalli	79	3.6	2 282	12.4	3	16.5	(D)	(D)
Richland	21	7.0	624	7.7	3	19.0	182	20.0
Roosevelt	18	8.1	937	14.7	2	22.3	(D)	(D)
Rosebud	21	5.8	483	7.3	—	—	—	—
Sanders	38	4.9	2 241	11.5	2	20.0	(D)	(D)
Sheridan	15	8.5	591	10.8	—	—	—	—
Silver Bow	5	13.5	74	17.3	1	43.9	(D)	(D)
Stillwater	24	5.6	(D)	(D)	1	—	(D)	(D)
Sweet Grass	26	6.0	1 470	26.4	—	—	—	—

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]

Livestock and poultry — Con.												
Geographic area	Hens and pullets of laying age inventory				Broilers and other meat-type chickens sold							
	Farms		Total		Farms			Total				
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)		
Teton	12	7.6	29 458	(L)	1	—	(D)	(D)				
Toole	16	5.6	(D)	(D)	—	—	—	—	(D)	(D)		
Treasure	7	8.2	114	6.1	—	—	—	—	—	—		
Valley	23	5.9	636	10.0	1	35.1	(D)	(D)	(D)	(D)		
Wheatland	9	5.2	28 369	(L)	1	—	(D)	(D)	(D)	(D)		
Wibaux	9	9.7	321	13.6	—	—	—	—	—	—		
Yellowstone	45	5.1	875	5.3	1	40.9	(D)	(D)	(D)	(D)		
Selected crops harvested												
Geographic area	Corn for silage or green chop					Wheat for grain						
	Farms		Acres		Quantity	Farms		Acres		Quantity		
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	
Montana	489	.8	42 337	.5	761 758	.5	8 395	.8	4 885 520	.4	142 893 032	.4
Beaverhead	—	—	—	—	—	—	33	1.5	12 708	1.0	681 936	.8
Big Horn	21	4.2	4 415	.6	91 509	.7	172	2.1	116 519	.5	4 055 554	.5
Blaine	7	5.2	270	4.7	4 476	2.9	239	1.3	181 991	.6	4 953 934	.7
Broadwater	—	—	—	—	—	—	78	2.1	31 467	.9	1 432 436	1.0
Carbon	54	2.5	3 192	1.8	61 688	1.7	89	2.4	14 461	2.2	542 777	2.1
Carter	1	—	(D)	(D)	(D)	(D)	79	1.6	35 222	.7	1 032 568	.5
Cascade	4	7.7	386	1.0	4 350	.2	268	1.4	134 940	.7	3 871 400	.6
Chouteau	1	—	(D)	(D)	(D)	(D)	559	.7	425 081	.4	10 452 132	.4
Custer	33	2.1	3 308	.8	60 071	1.2	105	1.3	38 579	.6	1 366 668	.4
Daniels	—	—	—	—	—	—	259	1.6	183 482	1.0	5 971 039	1.0
Dawson	23	3.9	2 215	2.1	32 171	2.5	276	1.3	144 299	.8	5 073 889	.8
Deer Lodge	—	—	—	—	—	—	3	—	1 408	—	51 750	—
Fallon	—	—	—	—	—	—	124	1.7	49 861	1.4	1 603 609	1.6
Fergus	—	—	—	—	—	—	364	1.2	160 337	.6	4 685 820	.7
Flathead	3	—	48	—	600	—	121	2.1	13 601	1.5	878 060	1.3
Gallatin	1	34.2	(D)	(D)	(D)	(D)	240	1.4	48 216	1.0	2 757 054	.9
Garfield	2	—	(D)	(D)	(D)	(D)	117	.8	86 263	.5	2 558 428	.6
Glacier	—	—	—	—	—	—	168	2.2	141 448	.9	4 321 102	.8
Golden Valley	2	—	(D)	(D)	(D)	(D)	42	2.5	16 851	1.6	499 348	1.7
Granite	—	—	—	—	—	—	3	11.2	(D)	(D)	(D)	(D)
Hill	1	—	(D)	(D)	(D)	(D)	481	1.1	422 612	.6	7 912 160	.6
Jefferson	—	—	—	—	—	—	19	3.9	6 665	1.1	237 893	.8
Judith Basin	1	—	(D)	(D)	(D)	(D)	151	1.7	68 819	.8	1 968 293	.8
Lake	4	7.8	148	4.2	2 650	3.5	115	2.3	16 530	1.9	835 256	1.5
Lewis and Clark	—	—	—	—	—	—	33	4.7	12 666	2.0	337 518	2.3
Liberty	—	—	—	—	—	—	232	.8	254 163	.4	6 026 122	.4
Lincoln	—	—	—	—	—	—	2	29.8	(D)	(D)	(D)	(D)
McCone	4	12.3	332	25.9	(D)	(D)	296	1.0	192 786	.7	6 177 913	.6
Madison	—	—	—	—	—	—	39	2.6	7 996	1.2	380 581	1.4
Meagher	—	—	—	—	—	—	19	—	11 910	—	520 953	—
Mineral	—	—	—	—	—	—	4	14.4	722	24.7	37 910	25.1
Missoula	—	—	—	—	—	—	16	7.3	2 392	7.0	74 689	6.2
Musselshell	10	—	448	—	6 665	—	42	3.1	45 347	1.0	1 096 288	1.0
Park	—	—	—	—	—	—	58	2.5	14 519	1.4	606 921	1.4
Petroleum	1	—	(D)	(D)	(D)	(D)	25	2.5	15 244	.4	397 588	.3
Phillips	3	—	696	(D)	(D)	(D)	236	1.3	146 815	.7	3 890 374	.7
Pondera	—	—	—	—	—	—	316	1.1	157 444	.7	3 932 494	.7
Powder River	4	—	295	—	3 770	—	76	1.5	28 184	.6	832 283	.6
Powell	—	—	—	—	—	—	13	3.5	3 698	1.4	117 757	.8
Prairie	28	1.8	1 908	1.2	31 933	1.2	81	1.4	29 531	1.4	1 031 955	1.0
Ravalli	2	—	(D)	(D)	(D)	(D)	26	4.6	2 119	5.2	105 796	2.6
Richland	78	1.4	4 808	.8	80 496	.9	346	1.2	163 028	.8	5 852 484	.7
Roosevelt	5	10.1	222	9.8	1 655	3.9	394	1.5	283 482	.7	9 322 582	.7
Rosebud	15	4.4	3 158	1.1	34 475	1.9	96	2.0	58 207	.8	2 106 578	.8
Sanders	—	—	—	—	—	—	22	5.4	3 110	4.3	136 527	3.3
Sheridan	2	17.3	(D)	(D)	(D)	(D)	394	1.3	233 620	.9	8 424 300	.8
Silver Bow	—	—	—	—	—	—	—	—	—	—	—	—
Stillwater	15	4.3	1 672	4.3	33 657	4.2	137	1.7	58 504	1.0	1 890 333	1.0
Sweet Grass	1	—	(D)	(D)	(D)	(D)	32	3.9	7 380	1.4	258 636	1.1
Teton	—	—	—	—	—	—	273	1.0	147 269	.7	3 239 457	.6
Toole	—	—	—	—	—	—	267	1.1	215 574	.6	5 122 632	.6
Treasure	23	1.8	2 956	.2	64 049	.3	36	1.9	6 398	.3	362 040	.2
Valley	4	—	340	—	1 867	—	401	1.4	251 140	.8	6 659 803	.8
Wheatland	—	—	—	—	—	—	54	2.0	38 561	.7	1 337 138	.7
Wibaux	8	4.8	485	4.0	4 275	1.8	90	2.0	39 031	1.2	1 204 558	1.2
Yellowstone	128	1.4	10 344	.9	212 528	.9	234	1.3	100 589	.8	3 643 196	.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	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)
Montana	5 971	.7	1 168 663	.3	47 381 536	.3	1 590	.8	82 492	.6	4 485 707	.7
Beaverhead	40	1.2	7 241	.5	552 694	.6	6	—	935	—	59 612	—
Big Horn	131	2.1	23 033	1.1	1 298 397	1.2	53	3.8	2 137	5.2	164 485	6.5
Blaine	143	1.5	28 182	.9	1 179 510	.8	43	2.9	2 567	2.3	110 362	2.2
Broadwater	59	2.8	8 667	2.3	496 151	2.0	17	6.1	791	11.5	55 770	10.4
Carbon	143	2.0	11 246	1.5	848 763	1.5	65	3.3	1 610	3.7	127 717	3.8
Carter	34	2.2	4 102	.9	143 358	.7	33	2.0	2 471	1.4	102 876	.7
Cascade	201	1.5	56 335	.6	1 572 251	.8	42	3.8	1 271	4.9	55 456	5.0
Chouteau	350	.9	103 334	.6	2 093 977	.6	26	3.0	1 614	1.1	55 956	1.1
Custer	44	1.7	3 461	.4	158 980	.4	25	2.2	1 480	1.6	66 258	1.9
Daniels	97	2.4	12 717	1.2	465 916	1.3	26	3.4	1 677	1.0	80 522	.9
Dawson	182	1.5	22 682	1.2	1 049 669	1.1	69	1.9	4 228	1.7	229 280	1.7
Deer Lodge	9	5.4	1 273	1.7	100 940	1.7	2	—	(D)	(D)	(D)	(D)
Fallon	80	2.3	6 873	1.8	263 835	1.7	39	3.0	1 908	2.2	82 329	2.4
Fergus	319	1.2	86 869	.8	2 644 686	.8	62	2.0	3 174	2.2	131 039	3.2
Flathead	198	1.7	24 248	1.3	1 712 080	1.1	33	5.0	934	8.2	54 165	8.6
Gallatin	258	1.4	39 688	.9	2 619 727	1.0	33	4.2	1 151	3.6	96 080	3.3
Garfield	59	.7	9 750	.3	349 144	.3	36	1.8	3 438	.4	150 835	.3
Glacier	154	2.0	80 996	.8	3 198 921	.8	19	4.4	1 437	2.2	77 378	1.6
Golden Valley	25	3.5	3 015	2.0	96 059	1.2	16	5.1	535	6.0	29 770	7.0
Granite	12	4.8	929	7.3	52 045	6.5	4	—	100	—	6 600	—
Hill	197	1.4	31 013	.7	883 984	.6	20	3.0	1 669	1.5	67 170	.2
Jefferson	20	2.5	3 341	2.8	168 867	1.3	12	3.5	490	2.5	32 609	1.7
Judith Basin	141	1.6	40 697	.9	1 321 183	.8	43	3.3	2 761	1.5	125 987	2.0
Lake	109	2.2	8 446	2.0	505 200	1.5	56	3.5	2 271	2.8	166 433	2.8
Lewis and Clark	49	4.4	7 814	1.7	342 977	1.8	18	5.8	779	4.6	69 243	5.2
Liberty	102	1.3	24 556	.8	862 127	.7	5	—	412	—	22 730	—
Lincoln	7	10.2	162	3.5	7 598	5.1	6	12.9	130	14.6	4 085	17.9
McCone	161	1.3	20 524	1.2	822 725	1.3	47	1.9	3 245	.8	167 431	.7
Madison	65	2.1	7 148	2.4	506 249	2.5	22	3.8	1 083	3.3	89 093	2.3
Meagher	28	1.4	15 454	.2	798 632	.2	9	—	1 079	—	80 097	—
Mineral	3	12.4	98	7.6	7 400	7.1	3	—	(D)	(D)	(D)	(D)
Missoula	20	5.8	1 743	8.2	72 604	7.6	18	6.2	822	10.5	51 479	7.4
Musselshell	25	4.0	3 330	2.2	71 106	3.2	23	3.4	886	2.0	54 160	2.3
Park	73	2.1	9 054	1.4	460 994	1.2	21	3.5	838	2.2	58 110	2.2
Petroleum	8	—	561	—	10 070	—	6	5.2	331	18.6	8 407	14.7
Phillips	160	1.4	30 768	.8	1 001 305	.9	42	2.1	2 775	1.9	128 011	2.4
Pondera	285	1.1	86 398	.6	3 228 928	.6	12	7.6	395	5.4	14 928	4.2
Powder River	35	1.5	3 020	.7	108 440	.9	34	1.8	1 187	1.5	53 466	1.3
Powell	30	3.3	2 453	2.6	122 143	3.1	12	4.6	1 573	1.8	67 655	1.8
Prairie	45	1.7	5 546	1.0	249 325	.7	23	3.6	720	2.6	39 795	2.8
Ravalli	52	3.6	2 694	3.7	159 017	3.1	32	4.3	751	3.8	45 502	4.1
Richland	210	1.5	30 841	1.0	1 426 887	.9	87	2.6	4 718	1.7	311 756	1.8
Roosevelt	202	1.9	23 820	1.3	969 549	1.3	47	3.4	2 728	2.5	135 642	2.6
Rosebud	44	2.9	5 093	.8	244 615	.8	30	3.5	1 533	3.2	97 408	3.8
Sanders	20	4.9	1 089	2.4	46 304	3.0	26	5.1	1 095	2.3	60 373	1.6
Sheridan	180	1.7	21 290	1.2	905 627	1.2	51	3.7	2 146	10.0	100 146	7.7
Silver Bow	—	—	—	—	—	—	3	9.6	108	5.3	(D)	(D)
Stillwater	105	1.8	15 589	1.1	595 694	1.3	22	2.7	839	3.6	43 999	3.0
Sweet Grass	43	3.1	4 375	1.5	167 423	1.2	40	2.9	1 572	3.2	112 193	3.0
Teton	313	1.0	104 571	.5	4 661 135	.6	19	5.5	1 624	7.4	75 108	8.5
Toole	151	1.4	43 326	.9	2 030 777	.7	10	3.2	1 260	7.7	54 142	7.1
Treasure	29	2.8	4 249	.5	369 305	.4	4	—	141	—	8 050	—
Valley	177	1.5	23 870	.8	724 999	.8	50	3.1	2 022	1.9	84 103	2.1
Wheatland	42	2.4	18 056	.4	770 481	.4	13	2.5	1 205	.4	56 040	.5
Wibaux	66	2.1	6 079	1.9	248 965	1.9	32	3.5	1 956	3.8	109 434	4.8
Yellowstone	236	1.2	26 954	.9	1 611 798	.8	43	3.2	1 524	1.9	109 588	1.7

Geographic area	Selected crops harvested — Con.											
	Sugar beets for sugar					Hay — alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)						
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Montana	476	1.0	56 994	.4	1 274 952	.4	12 058	.8	1 983 629	.4	3 670 309	.4
Beaverhead	—	—	—	—	—	—	223	1.0	123 580	.3	244 067	.3
Big Horn	49	3.0	8 226	.8	192 265	.8	271	2.2	64 243	.9	147 709	1.0
Blaine	—	—	—	—	—	—	249	1.5	44 421	.9	77 904	1.2
Broadwater	—	—	—	—	—	—	130	1.7	24 815	1.2	74 557	1.3
Carbon	80	2.2	7 536	1.1	170 046	1.2	411	1.4	49 768	1.4	116 697	1.3
Carter	—	—	—	—	—	—	198	.9	49 783	.8	44 530	1.2
Cascade	—	—	—	—	—	—	429	1.2	64 707	.9	104 339	.9
Chouteau	—	—	—	—	—	—	171	1.4	23 634	1.6	28 621	1.3
Custer	21	3.4	1 600	2.8	37 212	2.8	246	1.2	42 375	6.6	86 488	.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	Selected crops harvested — Con.											
	Sugar beets for sugar						Hay — alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Daniels	—	—	—	—	—	—	95	2.3	8 919	2.4	10 970	2.0
Dawson	24	2.6	2 822	.7	57 995	.7	258	1.4	30 697	1.0	44 093	1.3
Deer Lodge	—	—	—	—	—	—	49	2.6	10 874	1.6	23 139	1.8
Fallon	—	—	—	—	—	—	195	1.5	39 093	1.1	35 155	1.3
Fergus	—	—	—	—	—	—	508	1.0	107 741	.8	133 893	.7
Flathead	—	—	—	—	—	—	462	1.3	31 016	1.2	62 373	1.2
Gallatin	—	—	—	—	—	—	491	1.1	69 456	.9	200 776	.8
Garfield	—	—	—	—	—	—	106	1.0	14 727	.7	16 765	.5
Glacier	—	—	—	—	—	—	133	2.3	29 719	1.5	40 062	1.0
Golden Valley	—	—	—	—	—	—	77	1.7	15 271	.9	25 287	.6
Granite	—	—	—	—	—	—	91	1.7	29 261	.8	54 965	.6
Hill	—	—	—	—	—	—	116	2.0	13 508	2.2	17 501	1.9
Jefferson	—	—	—	—	—	—	141	1.6	21 597	.7	48 612	.7
Judith Basin	—	—	—	—	—	—	209	1.6	49 031	1.2	62 995	1.0
Lake	—	—	—	—	—	—	500	1.5	51 301	1.4	121 622	1.3
Lewis and Clark	—	—	—	—	—	—	269	1.6	34 939	1.0	72 474	1.3
Liberty	—	—	—	—	—	—	46	2.6	8 035	1.6	11 715	.8
Lincoln	—	—	—	—	—	—	145	1.7	7 972	2.5	13 306	3.7
McCone	—	—	—	—	—	—	157	1.4	27 182	.7	40 388	.9
Madison	—	—	—	—	—	—	287	1.1	78 875	.6	194 391	.6
Meagher	—	—	—	—	—	—	88	1.3	43 246	.6	86 310	.8
Mineral	—	—	—	—	—	—	33	4.2	1 963	4.6	4 214	4.0
Missoula	—	—	—	—	—	—	261	1.6	18 267	2.3	35 373	2.4
Musselshell	—	—	—	—	—	—	130	1.9	19 967	1.0	39 428	1.3
Park	—	—	—	—	—	—	261	1.1	45 820	.8	108 607	.7
Petroleum	—	—	—	—	—	—	57	.9	18 591	.6	27 290	.7
Phillips	—	—	—	—	—	—	258	1.3	57 265	.8	87 278	.9
Pondera	—	—	—	—	—	—	199	1.5	24 631	1.6	44 448	1.4
Powder River	—	—	—	—	—	—	194	.9	47 935	.7	62 147	.6
Powell	—	—	—	—	—	—	157	1.5	51 283	1.0	92 509	.8
Prairie	25	2.6	2 874	.8	63 577	.7	105	1.2	14 700	1.9	25 507	2.3
Ravalli	—	—	—	—	—	—	576	1.2	34 709	1.0	88 417	1.1
Richland	115	2.0	15 321	.8	328 255	.8	301	1.5	37 148	1.1	63 528	1.0
Roosevelt	6	7.4	(D)	(D)	(D)	(D)	223	1.7	25 518	1.5	38 012	1.7
Rosebud	12	3.2	2 501	.4	60 862	.3	210	1.3	50 706	.9	93 821	.7
Sanders	—	—	—	—	—	—	239	1.4	25 638	1.6	45 696	1.6
Sheridan	1	—	(D)	(D)	(D)	(D)	218	1.8	19 340	1.8	25 845	2.4
Silver Bow	—	—	—	—	—	—	46	3.6	5 500	1.7	12 728	1.7
Stillwater	13	5.5	1 167	2.3	24 377	2.0	290	1.3	50 621	.8	80 152	1.0
Sweet Grass	—	—	—	—	—	—	183	1.3	39 378	.7	72 874	1.0
Teton	—	—	—	—	—	—	260	1.2	46 271	.8	103 504	.6
Toole	—	—	—	—	—	—	74	2.2	7 722	3.5	8 189	3.5
Treasure	29	2.3	4 847	.4	114 893	.3	66	1.7	9 458	1.2	22 413	.8
Valley	—	—	—	—	—	—	251	1.6	33 012	1.3	70 012	1.2
Wheatland	—	—	—	—	—	—	84	1.6	31 833	.6	63 315	.4
Wibaux	1	—	(D)	(D)	(D)	(D)	106	1.8	17 453	1.4	20 358	1.1
Yellowstone	100	1.7	9 037	.6	207 013	.7	525	1.2	39 114	.9	92 940	.9

¹Data 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 ¹		Percent not on mail list ¹	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	Total (percent)	Standard error of percent
Farms ----- number--	22 821	.9	1 821	38.8	7.4	2.7
Land in farms ----- acres --	59 642 536	.2	558 469	54.3	.9	.5
Average size of farm ----- acres --	2 613.5	.9	306.7	56.4	(X)	(X)
Farms by size:						
Less than 10 acres -----	1 209	1.6	676	73.9	35.9	17.0
10 to 49 acres -----	2 804	1.5	566	56.7	16.8	7.9
Less than 50 acres -----	4 013	1.4	1 242	52.1	23.6	9.4
50 acres or more -----	18 808	.9	578	47.6	3.0	1.4
50 to 99 acres -----	1 446	1.6	28	98.3	1.9	1.8
100 to 179 acres -----	1 615	1.6	151	74.8	8.5	5.8
180 acres or more -----	15 747	.8	400	60.8	2.5	1.5
Harvested cropland ----- farms --	17 100	.8	1 214	43.6	6.6	2.7
----- acres--	8 199 296	.4	90 540	63.2	1.1	.7
Farms by value of sales:						
Less than \$1,000 -----	2 408	1.5	1 051	51.5	30.4	10.9
\$1,000 to \$2,499 -----	1 665	1.7	426	64.4	20.4	10.5
Less than \$2,500 -----	4 073	1.5	1 477	45.8	26.6	9.0
\$2,500 or more -----	18 748	.9	344	65.4	1.8	1.2
\$2,500 to \$9,999 -----	3 895	1.5	52	(H)	1.3	1.3
\$10,000 or more -----	14 853	.8	291	73.4	1.9	1.4
Market value of agricultural products sold -----\$1,000 --	1 730 237	.3	10 650	64.5	.6	.4
Farms by standard industrial classification:						
Crops (01) -----	9 044	.9	646	52.7	6.7	3.3
Livestock (02) -----	13 777	.9	1 175	39.1	7.9	2.8
Farms by type of organization:						
Individual or family -----	17 723	1.0	1 768	39.7	9.1	3.3
Partnership or corporation -----	4 844	.7	--	(X)	--	(X)
Other -----	254	1.9	52	(H)	17.1	14.2
Farms by tenure of operator:						
Full owners -----	10 763	1.1	1 382	41.7	11.4	4.2
Part owners and tenants -----	12 058	.8	439	58.8	3.5	2.0
Part owners -----	9 039	.6	43	72.3	.5	.3
Tenants -----	3 019	1.4	396	60.5	11.6	6.2
Operators by place of residence:						
On farm operated -----	16 982	.8	1 381	47.7	7.5	3.3
Not on farm operated -----	4 103	1.4	220	80.6	5.1	3.9
Not reported -----	1 736	1.0	220	94.4	11.2	9.4
Operators by principal occupation:						
Farming -----	16 006	.8	594	52.3	3.6	1.8
Other -----	6 815	1.4	1 227	47.4	15.3	6.1
Operators by sex:						
Male -----	20 995	.9	1 707	40.8	7.5	2.8
Female -----	1 826	1.3	114	88.5	5.9	4.9
Operators by race:						
White -----	22 356	.9	1 821	38.8	7.5	2.7
Black and other races -----	465	1.9	--	(X)	--	(X)
Operators by years on present farm:						
4 years or less -----	2 695	1.6	276	77.5	9.3	6.5
5 years or more -----	16 631	.8	865	49.6	4.9	2.3
Average years on present farm -----	20.1	1.2	9.1	25.5	(X)	(X)
Not reported -----	3 495	1.0	680	49.9	16.3	6.8
Average age of operator -----	52.9	1.3	45.4	6.8	(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.

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