

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. .	11.2
Land in farms.....acres. .	8.7
Estimated market value of land and buildings ¹\$1,000. .	6.5
Market value of agricultural products sold ..\$1,000. .	3.7
Harvested croplandacres. .	8.0
Corn for grain or seedacres. .	4.1
Wheat for grainacres. .	3.6
Livestock and poultry inventory:	
Cattle and calvesnumber. .	8.0
Hogs and pigsnumber. .	4.7
Hens and pullets of laying age.....number. .	8.8

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	1.7
150	1.4
200	1.2
300	1.0
5008
7506
1,0006
1,500	(X)
2,000	(X)
SAMPLE COUNT ITEM	
Number of farms reporting:	
25	40.7
50	28.4
75	22.9
100	19.6
150	15.6
200	13.1
300	10.0
500	6.7
750	4.0
1,000	1.4
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--	17 020	1.1	Total farm production expenses -----farms--	17 022	1.1
Land in farms -----acres--	3 267 188	.8	-----\$1,000--	308 703	.7
Average size of farm -----acres--	192	1.4	Average per farm -----dollars--	18 136	1.3
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			Livestock and poultry purchased -----farms--		
Total sales (see text) -----farms--	17 020	1.1	-----\$1,000--	54 571	1.9
-----\$1,000--	364 203	.3	Feed for livestock and poultry -----farms--	10 551	1.6
Average per farm -----dollars--	21 399	1.1	-----\$1,000--	101 386	.6
Farms by value of sales:			Commercially mixed formula feeds -----farms--	3 326	3.3
Less than \$1,000 (see text) -----farms--	3 249	1.6	-----\$1,000--	84 944	.7
\$1,000 to \$2,499 -----farms--	949	1.7	Seeds, bulbs, plants, and trees -----farms--	4 496	2.7
\$2,500 to \$4,999 -----farms--	3 678	1.4	-----\$1,000--	3 733	1.8
\$5,000 to \$9,999 -----farms--	6 081	1.4	Commercial fertilizer -----farms--	9 717	1.8
\$10,000 to \$19,999 -----farms--	3 499	1.3	-----\$1,000--	11 670	2.8
\$20,000 to \$24,999 -----farms--	12 487	1.3	Agricultural chemicals -----farms--	7 996	2.0
\$25,000 to \$39,999 -----farms--	2 848	1.2	Petroleum products -----farms--	6 428	1.8
\$40,000 to \$49,999 -----farms--	19 860	1.2	-----\$1,000--	16 045	1.2
\$50,000 to \$99,999 -----farms--	1 676	1.2	Electricity -----farms--	15 877	1.4
\$100,000 to \$249,999 -----farms--	1 676	1.2	-----\$1,000--	7 275	2.1
\$250,000 to \$499,999 -----farms--	23 044	1.2	Hired farm labor -----farms--	4 872	3.1
\$500,000 or more -----farms--	330	1.8	-----\$1,000--	5 179	2.6
	7 334	1.8	Contract labor -----farms--	26 956	1.3
			-----\$1,000--	1 180	6.0
			Repair and maintenance -----farms--	3 520	5.1
			-----\$1,000--	13 117	1.4
			Customwork, machine hire, and rental of machinery and equipment -----farms--	19 831	1.8
			-----\$1,000--	2 391	4.0
			Interest expense -----farms--	2 452	5.9
			-----\$1,000--	3 963	3.0
			Secured by real estate -----farms--	17 179	2.7
			-----\$1,000--	2 676	3.7
			Not secured by real estate -----farms--	12 898	3.3
			-----\$1,000--	1 983	4.3
			Cash rent -----farms--	4 281	3.4
			-----\$1,000--	2 126	4.1
			Property taxes -----farms--	4 379	2.8
			-----\$1,000--	16 204	1.2
			All other farm production expenses -----farms--	7 599	1.9
			-----\$1,000--	14 061	1.3
				28 251	1.1
Sales by commodity or commodity group:			NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)¹		
Crops, including nursery and greenhouse crops -----farms--	5 807	1.1	All farms -----number--	17 022	1.1
-----\$1,000--	63 081	.5	-----\$1,000--	49 571	3.4
Grains -----farms--	884	1.1	Average per farm -----dollars--	2 912	3.5
-----\$1,000--	9 897	.7	Farms with net gains ² -----number--	8 652	1.8
Corn for grain -----farms--	649	1.3	-----\$1,000--	80 759	1.5
-----\$1,000--	6 401	.8	Average net gain -----dollars--	9 334	2.3
Wheat -----farms--	261	1.6	Farms with net losses -----number--	8 370	1.9
-----\$1,000--	1 367	.7	-----\$1,000--	31 188	3.3
Soybeans -----farms--	119	1.9	Average net loss -----dollars--	3 726	3.8
-----\$1,000--	1 690	1.1			
Sorghum for grain -----farms--	2	—	GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
-----\$1,000--	(D)	(D)	Government payments -----farms--	2 158	1.0
Barley -----farms--	72	2.5	-----\$1,000--	3 654	.8
-----\$1,000--	314	1.4	Other farm-related income ¹ -----farms--	2 963	3.8
Oats -----farms--	93	2.8	-----\$1,000--	9 538	6.2
-----\$1,000--	77	3.7	Customwork and other agricultural services -----farms--	932	7.2
Other grains -----farms--	22	4.8	-----\$1,000--	3 731	10.5
-----\$1,000--	(D)	(D)	Gross cash rent or share payments -----farms--	866	7.4
Cotton and cottonseed -----farms--	—	—	-----\$1,000--	1 143	10.5
-----\$1,000--	—	—	Forest products and Christmas trees -----farms--	779	7.8
Tobacco -----farms--	991	1.6	-----\$1,000--	3 777	10.2
-----\$1,000--	5 244	1.6	Other farm-related income sources -----farms--	827	7.1
Hay, silage, and field seeds -----farms--	3 755	1.2	-----\$1,000--	888	19.6
-----\$1,000--	11 963	1.3			
Vegetables, sweet corn, and melons -----farms--	409	1.8	COMMODITY CREDIT CORPORATION LOANS		
-----\$1,000--	1 628	2.4	Total -----farms--	86	2.5
Fruits, nuts, and berries -----farms--	322	1.8	-----\$1,000--	1 161	.5
-----\$1,000--	20 422	.5			
Nursery and greenhouse crops -----farms--	272	1.9			
-----\$1,000--	12 952	.7			
Other crops -----farms--	308	2.0			
-----\$1,000--	976	2.8			
Livestock, poultry, and their products -----farms--	12 633	1.0			
-----\$1,000--	301 122	.3			
Poultry and poultry products -----farms--	680	1.1			
-----\$1,000--	135 606	.1			
Dairy products -----farms--	420	1.1			
-----\$1,000--	39 752	.4			
Cattle and calves -----farms--	11 583	1.0			
-----\$1,000--	117 196	.7			
Hogs and pigs -----farms--	587	1.4			
-----\$1,000--	3 939	1.3			
Sheep, lambs, and wool -----farms--	1 191	1.2			
-----\$1,000--	2 579	1.2			
Other livestock and livestock products (see text) -----farms--	824	1.6			
-----\$1,000--	2 050	3.0			
Value of agricultural products sold directly to individuals for human consumption (see text) -----farms--	869	1.5			
-----\$1,000--	2 082	1.6			

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 ..	15 891	1.1	All operators ----- farms ..	17 020	1.1
Harvested cropland ----- farms ..	1 294 134	.8	Full owners ----- farms ..	3 267 188	.8
1 to 9 acres ----- farms ..	14 531	1.1	Part owners ----- farms ..	12 428	1.2
10 to 19 acres ----- farms ..	555 818	.8	Tenants ----- farms ..	1 875 501	1.0
20 to 29 acres ----- farms ..	3 151	1.6	Tenants ----- farms ..	3 866	1.0
30 to 49 acres ----- farms ..	14 387	1.6	Tenants ----- farms ..	1 255 176	.7
50 to 99 acres ----- farms ..	3 385	1.4	Tenants ----- farms ..	726	1.6
100 to 199 acres ----- farms ..	45 025	1.4	Tenants ----- farms ..	136 511	1.4
200 to 499 acres ----- farms ..	2 513	1.2			
500 to 999 acres ----- farms ..	57 023	1.2	OWNED AND RENTED LAND		
1,000 acres or more ----- farms ..	2 518	1.1	Land owned ----- farms ..	16 307	1.1
	91 527	1.1	Owned land in farms ----- farms ..	2 599 981	.9
50 to 99 acres ----- farms ..	1 838	1.1	Owned land in farms ----- farms ..	16 294	1.1
100 to 199 acres ----- farms ..	119 417	1.1	Owned land in farms ----- farms ..	2 516 176	.9
200 to 499 acres ----- farms ..	779	1.1	Land rented or leased from others ----- farms ..	4 608	1.0
500 to 999 acres ----- farms ..	100 912	1.1	landlords ----- farms ..	756 709	.8
1,000 acres or more ----- farms ..	294	1.1	landlords ----- farms ..	8 945	1.0
1,000 acres or more ----- farms ..	81 609	1.0	landlords ----- farms ..	4 592	1.0
	43	1.1	landlords ----- farms ..	751 012	.8
	27 484	.9	Land rented or leased to others ----- farms ..	932	1.5
	10	—	acres ..	89 502	2.0
	18 434	—			
Cropland:			OPERATOR CHARACTERISTICS		
Pasture or grazing only ----- farms ..	9 795	1.1	Operators by place of residence:		
Other cropland ----- farms ..	661 609	.9	On farm operated ----- farms ..	13 053	1.1
	2 615	1.2	Not on farm operated ----- farms ..	2 629	1.3
	76 707	1.3	Not reported ----- farms ..	1 338	1.4
Total woodland ----- farms ..	13 178	1.1	Operators by principal occupation:		
Pastureland and rangeland other than cropland and ----- farms ..	5 316	1.1	Farming ----- farms ..	7 169	1.0
woodland pastured ----- farms ..	517 005	.8	Other ----- farms ..	9 851	1.2
Land in house lots, ponds, roads, wasteland, etc. ----- farms ..	10 222	1.1	Operators by days worked off farm:		
Irrigated land ----- farms ..	131 767	1.2	Any ----- farms ..	9 594	1.2
1 to 9 acres ----- farms ..	312	1.9	200 days or more ----- farms ..	6 985	1.2
10 to 49 acres ----- farms ..	2 769	2.3	Operators by sex:		
50 to 99 acres ----- farms ..	256	2.1	Male ----- farms ..	15 541	1.1
100 to 199 acres ----- farms ..	604	2.6	Female ----- farms ..	3 033 670	.8
200 to 499 acres ----- farms ..	44	4.4	Average age of operator ----- years ..	56.4	1.5
500 to 999 acres ----- farms ..	906	4.7			
1,000 acres or more ----- farms ..	7	8.6	FARMS BY TYPE OF ORGANIZATION		
	472	9.3	Individual or family (sole proprietorship) ----- farms ..	15 737	1.1
	(D)	(D)	Partnership ----- farms ..	2 846 932	.9
	(D)	(D)	Partnership ----- farms ..	977	1.4
	(D)	(D)	Partnership ----- farms ..	284 651	1.1
	(D)	(D)	Corporation:		
	(D)	(D)	Family held ----- farms ..	191	1.8
	(D)	(D)	More than 10 stockholders ----- farms ..	95 817	1.0
	(D)	(D)	10 or less stockholders ----- farms ..	5	5.4
	(D)	(D)	10 or less stockholders ----- farms ..	186	1.8
Harvested cropland irrigated ----- farms ..	305	1.9	Other than family held ----- farms ..	35	4.3
Pasture and other land irrigated ----- farms ..	2 459	1.8	More than 10 stockholders ----- farms ..	9 846	6.7
	10	10.5	10 or less stockholders ----- farms ..	5	7.2
	310	13.0	10 or less stockholders ----- farms ..	30	4.8
Land under federal acreage reduction programs:			Other—cooperative, estate or trust, institutional, etc. ----- farms ..	80	3.3
Diverted under annual commodity programs ----- farms ..	307	1.3	acres ..	29 942	2.7
Conservation Reserve or Wetlands Reserve ----- farms ..	2 393	.7			
Programs ----- farms ..	222	2.0			
	4 501	3.9			
			HIRED FARM LABOR		
VALUE OF LAND AND BUILDINGS ¹			INJURIES AND DEATHS		
Estimated market value of land and buildings ----- farms ..	17 022	1.1	Farm-related injuries:		
Average per farm ----- \$1,000 ..	2 810 132	1.8	Operator and family members ----- farms ..	122	2.4
Average per acre ----- dollars ..	165 088	2.1	Hired workers ----- farms ..	137	2.6
	849	2.3	Hired workers ----- farms ..	72	2.0
			Hired workers ----- farms ..	134	1.1
			Farm-related deaths:		
			Operator and family members ----- farms ..	7	8.6
			Hired workers ----- farms ..	7	8.6
			Hired workers ----- farms ..	1	—
			Hired workers ----- farms ..	(D)	(D)

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—Con.		
1 to 9 acres ----- farms ..	737	1.9	Cattle and calves sold ----- farms ..	11 583	1.0
----- acres ..	2 856	2.1	----- number ..	254 233	.7
10 to 49 acres ----- farms ..	2 893	1.6	----- \$1,000 ..	117 196	.7
----- acres ..	85 480	1.6	Hogs and pigs inventory ----- farms ..	841	1.4
50 to 69 acres ----- farms ..	1 580	1.5	----- number ..	26 760	1.0
----- acres ..	92 439	1.5	Hogs and pigs sold ----- farms ..	587	1.4
70 to 99 acres ----- farms ..	2 147	1.4	----- number ..	50 642	1.2
----- acres ..	179 704	1.4	----- \$1,000 ..	3 939	1.3
100 to 139 acres ----- farms ..	2 407	1.3	Sheep and lambs of all ages inventory ----- farms ..	1 188	1.2
----- acres ..	280 566	1.3	----- number ..	57 091	1.2
140 to 179 acres ----- farms ..	1 653	1.3	Sheep and lambs sold ----- farms ..	1 172	1.2
----- acres ..	260 500	1.3	----- number ..	51 715	1.1
180 to 219 acres ----- farms ..	1 271	1.3	Horses and ponies inventory ----- farms ..	3 109	1.3
----- acres ..	251 106	1.3	----- number ..	12 607	1.4
220 to 259 acres ----- farms ..	885	1.3	Horses and ponies sold ----- farms ..	481	1.8
----- acres ..	210 394	1.3	----- number ..	1 267	2.2
260 to 499 acres ----- farms ..	2 194	1.1	POULTRY		
----- acres ..	767 680	1.1	Chickens 3 months old or older inventory ----- farms ..	1 272	1.4
500 to 999 acres ----- farms ..	948	1.2	----- number ..	1 510 412	1.4
----- acres ..	629 271	1.2	Hens and pullets of laying age ----- farms ..	1 246	1.4
1,000 to 1,999 acres ----- farms ..	242	—	----- number ..	1 119 500	1.8
----- acres ..	315 074	—	Broilers and other meat-type chickens sold ----- farms ..	136	.8
2,000 acres or more ----- farms ..	63	—	----- number ..	50 669 811	.1
----- acres ..	192 118	—	CROPS HARVESTED		
FARMS BY STANDARD INDUSTRIAL CLASSIFICATION			Corn for grain or seed ----- farms ..	1 517	1.1
Cash grains (011) ----- farms ..	186	2.1	----- acres ..	44 564	.8
----- acres ..	68 531	1.3	bushels ..	4 668 501	.7
Field crops, except cash grains (013) ----- farms ..	2 915	1.4	Corn for silage or green chop ----- farms ..	1 027	1.0
----- acres ..	411 760	1.3	----- acres ..	27 674	.7
Vegetables and melons (016) ----- farms ..	169	2.7	tons, green ..	433 877	.6
----- acres ..	17 827	3.9	----- farms ..	307	1.5
Fruits and tree nuts (017) ----- farms ..	261	2.0	----- acres ..	9 058	.9
----- acres ..	48 996	1.7	bushels ..	438 877	.8
Horticultural specialties (018) ----- farms ..	206	2.2	Oats for grain ----- farms ..	406	1.5
----- acres ..	12 720	3.1	----- acres ..	3 677	1.4
General farms, primarily crop (019) ----- farms ..	981	1.7	bushels ..	201 339	1.4
----- acres ..	120 078	1.7	Tobacco ----- farms ..	1 003	1.6
Livestock, except dairy, poultry, and animal specialties (021) ----- farms ..	10 917	1.1	----- acres ..	2 072	1.6
----- acres ..	2 267 237	.9	pounds ..	3 101 002	1.7
Dairy farms (024) ----- farms ..	359	1.1	----- farms ..	674	1.6
----- acres ..	139 845	.6	----- acres ..	884	3.2
Poultry and eggs (025) ----- farms ..	360	1.0	cwt ..	111 960	2.7
----- acres ..	101 677	.5	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ----- farms ..	13 270	1.1
Animal specialties (027) ----- farms ..	508	2.0	----- acres ..	452 480	.9
----- acres ..	49 929	2.4	tons, dry ..	753 877	.8
General farms, primarily livestock and animal specialties (029) ----- farms ..	158	2.7	----- farms ..	4 195	1.1
----- acres ..	28 588	2.6	----- acres ..	103 359	1.0
LIVESTOCK			tons, dry ..	213 111	.9
Cattle and calves inventory ----- farms ..	12 431	1.1	Vegetables harvested for sale (see text) ----- farms ..	409	1.8
----- number ..	430 708	.8	----- acres ..	1 913	2.4
Beef cows ----- farms ..	10 570	1.1	----- farms ..	558	1.7
----- number ..	197 886	.9	----- acres ..	15 014	.8
Milk cows ----- farms ..	972	1.1			
----- number ..	23 366	.5			

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 ..	3 746	.9	Total farm production expenses ----- farms ..	3 562	1.8
Land in farms ----- acres ..	1 476 368	.7	Average per farm ----- \$1,000 ..	258 222	.8
Average size of farm ----- acres ..	394	1.1	----- dollars ..	72 494	2.0
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			Livestock and poultry purchased ----- farms ..		
Total sales (see text) ----- farms ..	3 746	.9	----- \$1,000 ..	47 943	2.0
Average per farm ----- \$1,000 ..	324 826	.3	Feed for livestock and poultry ----- farms ..	2 831	2.3
----- dollars ..	86 713	1.0	Commercially mixed formula feeds ----- farms ..	95 705	.7
Farms by value of sales:			----- \$1,000 ..	1 197	3.9
\$10,000 to \$19,999 ----- farms ..	1 676	1.2	----- \$1,000 ..	83 769	.7
----- \$1,000 ..	23 044	1.2	Seeds, bulbs, plants, and trees ----- farms ..	1 762	3.2
\$20,000 to \$24,999 ----- farms ..	330	1.8	----- \$1,000 ..	3 224	1.9
----- \$1,000 ..	7 334	1.8	Commercial fertilizer ----- farms ..	2 548	2.5
\$25,000 to \$39,999 ----- farms ..	514	1.5	----- \$1,000 ..	7 896	2.4
----- \$1,000 ..	16 055	1.5	Agricultural chemicals ----- farms ..	2 142	2.9
\$40,000 to \$49,999 ----- farms ..	174	2.1	----- \$1,000 ..	5 361	1.9
----- \$1,000 ..	7 692	2.1	Petroleum products ----- farms ..	3 524	1.8
\$50,000 to \$99,999 ----- farms ..	433	1.5	----- \$1,000 ..	10 305	1.6
----- \$1,000 ..	30 292	1.4	Electricity ----- farms ..	2 574	2.5
\$100,000 to \$249,999 ----- farms ..	349	—	----- \$1,000 ..	3 979	3.6
----- \$1,000 ..	54 335	—	Hired farm labor ----- farms ..	2 019	3.3
\$250,000 to \$499,999 ----- farms ..	160	—	----- \$1,000 ..	25 251	1.3
----- \$1,000 ..	55 811	—	Contract labor ----- farms ..	515	7.1
\$500,000 or more ----- farms ..	110	—	----- \$1,000 ..	2 923	5.4
----- \$1,000 ..	130 264	—	Repair and maintenance ----- farms ..	3 309	2.0
Sales by commodity or commodity group:			----- \$1,000 ..	12 297	2.1
Crops, including nursery and greenhouse crops ----- farms ..	1 579	1.0	Customwork, machine hire, and rental of machinery and equipment ----- farms ..	1 026	4.4
----- \$1,000 ..	53 409	.5	----- \$1,000 ..	1 727	6.8
Grains ----- farms ..	522	1.2	----- \$1,000 ..	1 761	3.6
----- \$1,000 ..	9 340	.7	Interest expense ----- farms ..	12 564	2.8
Corn for grain ----- farms ..	388	1.3	----- \$1,000 ..	1 130	4.4
----- \$1,000 ..	6 025	.8	Secured by real estate ----- farms ..	9 106	3.5
Wheat ----- farms ..	176	1.6	----- \$1,000 ..	1 004	5.0
----- \$1,000 ..	1 264	.7	Not secured by real estate ----- farms ..	3 458	3.6
Soybeans ----- farms ..	102	1.7	Cash rent ----- farms ..	1 156	4.6
----- \$1,000 ..	1 655	1.1	----- \$1,000 ..	3 854	2.8
Sorghum for grain ----- farms ..	2	—	Property taxes ----- farms ..	3 442	1.9
----- \$1,000 ..	(D)	(D)	----- \$1,000 ..	3 163	2.7
Barley ----- farms ..	52	2.3	All other farm production expenses ----- farms ..	3 562	1.8
----- \$1,000 ..	302	1.4	----- \$1,000 ..	22 030	1.2
Oats ----- farms ..	44	3.4	NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)¹		
----- \$1,000 ..	49	4.4	All farms ----- number ..	3 562	1.8
Other grains ----- farms ..	16	5.0	----- \$1,000 ..	60 284	2.3
----- \$1,000 ..	(D)	(D)	Average per farm ----- dollars ..	16 924	2.9
Cotton and cottonseed ----- farms ..	—	—	Farms with net gains ² ----- number ..	2 749	2.4
----- \$1,000 ..	—	—	----- \$1,000 ..	69 866	1.7
Tobacco ----- farms ..	238	1.9	Average net gain ----- dollars ..	25 415	3.0
----- \$1,000 ..	3 110	2.2	Farms with net losses ----- number ..	813	5.9
Hay, silage, and field seeds ----- farms ..	859	1.2	----- \$1,000 ..	9 581	6.1
----- \$1,000 ..	6 394	1.8	Average net loss ----- dollars ..	11 785	8.5
Vegetables, sweet corn, and melons ----- farms ..	130	2.3	GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
----- \$1,000 ..	1 168	3.0	Government payments ----- farms ..	978	1.0
Fruits, nuts, and berries ----- farms ..	126	2.0	----- \$1,000 ..	2 748	.9
----- \$1,000 ..	20 098	.5	Other farm-related income ¹ ----- farms ..	922	5.5
Nursery and greenhouse crops ----- farms ..	134	2.2	----- \$1,000 ..	5 095	8.3
----- \$1,000 ..	12 578	.7	Customwork and other agricultural services ----- farms ..	304	10.5
Other crops ----- farms ..	83	3.0	----- \$1,000 ..	2 590	13.4
----- \$1,000 ..	722	3.4	Gross cash rent or share payments ----- farms ..	201	12.9
Livestock, poultry, and their products ----- farms ..	3 404	.9	----- \$1,000 ..	426	14.7
----- \$1,000 ..	271 417	.3	Forest products and Christmas trees ----- farms ..	214	13.1
Poultry and poultry products ----- farms ..	371	.9	----- \$1,000 ..	1 644	11.5
----- \$1,000 ..	135 490	.1	Other farm-related income sources ----- farms ..	353	8.2
Dairy products ----- farms ..	383	1.0	----- \$1,000 ..	436	29.6
----- \$1,000 ..	39 673	.4	COMMODITY CREDIT CORPORATION LOANS		
Cattle and calves ----- farms ..	3 186	.9	Total ----- farms ..	57	2.2
----- \$1,000 ..	89 918	.6	----- \$1,000 ..	1 128	.4
Hogs and pigs ----- farms ..	270	1.6			
----- \$1,000 ..	3 524	1.3			
Sheep, lambs, and wool ----- farms ..	412	1.4			
----- \$1,000 ..	1 590	1.4			
Other livestock and livestock products (see text) ----- farms ..	159	2.2			
----- \$1,000 ..	1 221	4.6			
Value of agricultural products sold directly to individuals for human consumption (see text) ----- farms ..	196	1.9			
----- \$1,000 ..	1 326	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 ..	3 534	.9	Individual or family (sole proprietorship) ----- farms ..	3 208	.9
Harvested cropland ----- acres..	603 761	.8	Partnership ----- acres..	1 187 421	.8
Harvested cropland ----- farms ..	3 346	.9	Partnership ----- farms..	368	1.6
Cropland: ----- acres..	301 735	.7	Corporation: ----- acres..	181 163	1.2
Pasture or grazing only ----- farms ..	2 141	1.0	Family held ----- farms ..	127	1.5
Pasture or grazing only ----- acres..	274 946	1.0	More than 10 stockholders ----- farms ..	83 841	.8
Total woodland ----- farms ..	2 926	.9	10 or less stockholders ----- farms ..	5	5.4
Pastureland and rangeland other than cropland and ----- acres..	522 471	.7	Other than family held ----- farms ..	122	1.5
woodland pastured ----- farms ..	1 506	1.0	More than 10 stockholders ----- acres..	16	4.5
Land in house lots, ponds, roads, wasteland, etc. ----- farms ..	308 705	.7	10 or less stockholders ----- farms ..	5 145	3.0
Irrigated land ----- farms ..	2 301	1.0	Other—cooperative, estate or trust, institutional, etc. ----- farms ..	2	—
Harvested cropland irrigated ----- acres..	41 431	1.3	Other ----- farms ..	27	3.7
Pasture and other land irrigated ----- farms ..	125	2.4	Other ----- acres..	18 798	2.7
Pasture and other land irrigated ----- acres..	1 608	1.8			
Pasture and other land irrigated ----- farms ..	123	2.4			
Pasture and other land irrigated ----- acres..	(D)	(D)			
Pasture and other land irrigated ----- farms ..	2	22.4			
Pasture and other land irrigated ----- acres..	(D)	(D)			
Land under federal acreage reduction programs:					
Diverted under annual commodity programs ----- farms ..	250	1.2			
Conservation Reserve or Wetlands Reserve ----- acres..	2 253	.7			
Programs ----- farms ..	96	2.7			
Programs ----- acres..	2 247	6.2			
VALUE OF LAND AND BUILDINGS ¹			HIRED FARM LABOR		
Estimated market value of land and buildings ----- farms ..	3 562	1.8	Hired workers by days worked:		
Average per farm ----- \$1,000..	1 229 439	2.0	150 days or more ----- farms ..	937	8.4
Average per farm ----- dollars	345 154	2.7	Less than 150 days ----- workers..	2 291	4.4
Average per acre ----- dollars	854	2.8	Less than 150 days ----- farms ..	1 791	11.5
			Less than 150 days ----- workers..	7 050	10.5
VALUE OF MACHINERY AND EQUIPMENT ¹			INJURIES AND DEATHS		
Estimated market value of all machinery and ----- farms ..	3 562	1.8	Farm-related injuries:		
Average per farm ----- \$1,000..	151 793	2.0	Operator and family members ----- farms ..	53	2.2
Average per farm ----- dollars	42 615	2.7	Operator and family members ----- number..	56	2.1
			Hired workers ----- farms ..	64	1.8
			Hired workers ----- number..	126	1.0
AGRICULTURAL CHEMICALS¹			FARM-RELATED DEATHS:		
Commercial fertilizer ----- farms ..	2 532	2.5	Operator and family members ----- farms ..	4	9.6
Acres on which used ----- acres..	201 544	2.3	Operator and family members ----- number..	(D)	(D)
			Hired workers ----- farms ..	1	—
			Hired workers ----- number..	(D)	(D)
TENURE OF OPERATOR			FARMS BY SIZE		
All operators ----- farms ..	3 746	.9	1 to 9 acres -----	146	2.4
Full owners ----- acres..	1 476 368	.7	10 to 49 acres -----	231	2.0
Part owners ----- farms ..	2 002	1.0	50 to 69 acres -----	115	2.8
Tenants ----- acres..	576 277	.9	70 to 99 acres -----	214	2.1
	1 532	1.0	100 to 139 acres -----	342	1.7
	824 835	.7	140 to 179 acres -----	299	1.8
	212	1.9	180 to 219 acres -----	285	1.8
	75 256	1.6	220 to 259 acres -----	262	1.8
			260 to 499 acres -----	929	1.2
			500 to 999 acres -----	650	1.2
			1,000 to 1,999 acres -----	213	—
			2,000 acres or more -----	60	—
OWNED AND RENTED LAND			FARMS BY STANDARD INDUSTRIAL CLASSIFICATION		
Land owned ----- farms ..	3 536	.9	Cash grains (011) -----	72	2.7
Owned land in farms ----- acres..	1 035 366	.8	Field crops, except cash grains (013) -----	353	1.9
Owned land in farms ----- farms ..	3 534	.9	Vegetables and melons (016) -----	32	5.1
Owned land in farms ----- acres..	1 000 061	.8	Fruits and tree nuts (017) -----	93	2.0
Land rented or leased from others ----- farms ..	1 748	.9	Horticultural specialties (018) -----	104	2.6
Rented or leased land in farms ----- acres..	478 652	.7	General farms, primarily crop (019) -----	52	3.9
Rented or leased land in farms ----- landlords..	4 102	.9	Livestock, except dairy, poultry, and animal specialties -----		
Rented or leased land in farms ----- farms ..	1 744	.9	(021) -----	2 352	1.1
Rented or leased land in farms ----- acres..	476 307	.7	Dairy farms (024) -----	346	1.1
Land rented or leased to others ----- farms ..	244	2.0	Poultry and eggs (025) -----	299	.8
Rented or leased to others ----- acres..	37 650	3.0	Animal specialties (027) -----	32	5.2
			General farms, primarily livestock and animal -----		
			specialties (029) -----	11	5.6
OPERATOR CHARACTERISTICS			LIVESTOCK		
Operators by place of residence:			Cattle and calves inventory ----- farms ..	3 070	.9
On farm operated -----	2 933	.9	Beef cows ----- number..	262 195	.7
Not on farm operated -----	594	1.4	Milk cows ----- farms ..	2 305	1.0
Not reported -----	219	1.8	Milk cows ----- number..	104 084	.9
Operators by principal occupation:			Milk cows ----- farms ..	482	1.0
Farming -----	2 298	.9	Milk cows ----- number..	22 492	.5
Other -----	1 448	1.2	Cattle and calves sold ----- farms ..	3 186	.9
Operators by days worked off farm:			Hogs and pigs inventory ----- farms ..	179 970	.7
Any -----	1 845	1.1	Hogs and pigs sold ----- \$1,000..	89 918	.6
200 days or more -----	1 176	1.2	Hogs and pigs sold ----- farms ..	288	1.6
Operators by sex:			Hogs and pigs sold ----- number..	22 509	1.1
Male -----	3 508	.9	Hogs and pigs sold ----- farms ..	270	1.6
Female -----	238	2.0	Hogs and pigs sold ----- number..	45 102	1.2
Average age of operator ----- years ..	54.9	1.3	Hogs and pigs sold ----- \$1,000..	3 524	1.3
			Sheep and lambs of all ages inventory ----- farms ..	392	1.4
			Sheep and lambs sold ----- number..	30 505	1.5
			Sheep and lambs sold ----- farms ..	411	1.4
			Sheep and lambs sold ----- number..	30 884	1.3
			Horses and ponies inventory ----- farms ..	540	1.4
			Horses and ponies sold ----- number..	2 633	2.1
			Horses and ponies sold ----- farms ..	92	2.9
			Horses and ponies sold ----- number..	407	4.1

See footnotes at end of table.

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

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

Item	All farms		Farms with sales of \$10,000 or more	
	Percent change from 1987 to 1992	Standard error of estimate	Percent change from 1987 to 1992	Standard error of estimate
Farms..... number..	-1.3	1.2	15.3	1.2
Land in farms..... acres..	-3.1	.9	5.4	.9
Average size of farm..... acres..	-2.0	1.5	-8.6	1.3
Estimated market value of land and buildings ¹ :				
Average per farm.....dollars..	26.2	3.2	12.8	3.6
Average per acre.....dollars..	24.5	3.5	18.6	4.0
Estimated market value of all machinery and equipment ¹ :				
Average per farm.....dollars..	10.2	2.7	-2.6	3.4
Farms by size:				
1 to 9 acres.....	14.6	2.6	33.9	4.1
10 to 49 acres.....	7.6	2.0	69.9	4.9
50 to 179 acres.....	-3.6	1.4	33.6	2.2
180 to 499 acres.....	-3.7	1.2	7.9	1.5
500 to 999 acres.....	-5.6	1.4	-3	1.6
1,000 to 1,999 acres.....	-2.0	-	2.4	-
2,000 acres or more.....	14.5	-	17.6	-
Total cropland.....farms..				
.....acres..	-2.2	1.2	14.0	1.2
Harvested cropland.....farms..				
.....acres..	.6	1.0	8.1	1.0
.....farms..	-3.5	1.2	12.1	1.2
.....acres..	.4	.9	7.7	1.0
Irrigated land.....farms..				
.....acres..	22.4	3.0	23.8	3.5
.....farms..	-11.6	3.2	-8.8	3.7
Market value of agricultural products sold.....\$1,000..				
Average per farm.....dollars..	34.6	.6	39.8	.5
.....dollars..	36.3	1.8	21.2	1.4
Crops, including nursery and greenhouse crops.....\$1,000..				
Livestock, poultry, and their products.....\$1,000..	28.1	.8	27.8	.8
.....\$1,000..	36.0	.6	42.4	.6
Farms by value of sales:				
Less than \$2,500.....	-13.2	1.1	(X)	(X)
\$2,500 to \$4,999.....	1.0	1.5	(X)	(X)
\$5,000 to \$9,999.....	11.8	1.5	(X)	(X)
\$10,000 to \$24,999.....	12.6	1.6	12.6	1.6
\$25,000 to \$49,999.....	18.0	2.2	18.0	2.2
\$50,000 to \$99,999.....	8.3	2.3	8.3	2.3
\$100,000 to \$249,999.....	16.7	.3	16.7	.3
\$250,000 to \$499,999.....	39.1	-	39.1	-
\$500,000 or more.....	52.8	-	52.8	-
Total farm production expenses ¹\$1,000..				
Average per farm.....dollars..	33.6	1.8	39.2	2.6
.....dollars..	35.3	2.2	22.3	2.6
Net cash return from agricultural sales for the farm unit (see text) ¹farms..				
.....\$1,000..	-1.2	1.2	13.8	2.2
Average per farm.....dollars..	29.1	6.0	33.5	4.1
.....dollars..	30.8	6.3	17.3	4.2
Operators by principal occupation:				
Farming.....	-4	1.1	8.0	1.2
Other.....	-1.8	1.4	29.1	1.9
Operators by days worked off farm:				
Any.....	-4.8	4.9	18.4	6.4
200 days or more.....	-4.0	4.9	23.8	6.4
Livestock and poultry:				
Cattle and calves inventory.....farms..				
.....number..	-3.6	1.2	12.7	1.3
.....farms..	5.5	.9	8.9	1.0
Beef cows.....farms..	-2	1.2	13.5	1.4
.....number..	8.7	1.1	15.3	1.3
Milk cows.....farms..	-38.3	.9	-21.5	1.1
.....number..	-13.5	.7	-10.3	.8
Cattle and calves sold.....farms..				
.....number..	-4.0	1.1	11.6	1.2
.....farms..	2.0	.9	9.6	.9
Hogs and pigs inventory.....farms..	-31.4	1.1	-26.7	1.6
.....number..	-13.0	1.4	-6.4	1.7
Hogs and pigs sold.....farms..	-32.4	1.2	-28.8	1.6
.....number..	-14.4	1.4	-9.0	1.6
Sheep and lambs inventory.....farms..	-22.7	1.1	-16.6	1.5
.....number..	-23.9	1.2	-25.0	1.5
Chickens 3 months old or older inventory.....farms..	-37.3	1.0	-10.2	2.1
.....number..	118.6	4.0	126.2	4.2
Broilers and other meat-type chickens sold.....farms..	37.4	2.0	58.0	1.2
.....number..	73.4	.2	73.5	.2
Selected crops harvested:				
Corn for grain or seed.....farms..				
.....acres..	-27.7	.9	-6.2	1.4
.....acres..	-9.0	.9	-8	1.1
.....bushels..	43.3	1.4	59.1	1.6
Corn for silage or green chop.....farms..	-30.5	.9	-24.6	1.0
.....acres..	-24.9	.7	-22.4	.7
.....acres..	-4	.9	2.5	1.0
Wheat for grain.....farms..	-18.4	1.7	-11.8	2.1
.....acres..	23.4	2.0	32.9	2.3
.....bushels..	38.7	2.1	46.2	2.3
Oats for grain.....farms..	-21.3	1.5	-11.3	2.2
.....acres..	-20.2	1.6	-20.5	1.6
.....bushels..	-11.4	1.8	-16.7	2.0
Tobacco.....farms..	-8.4	1.7	60.0	4.8
.....acres..	20.7	2.7	79.3	7.9
.....pounds..	43.7	3.6	104.4	9.8
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text).....farms..				
.....acres..	-4.2	1.2	12.2	1.3
.....acres..	3.9	1.1	16.6	1.2
.....tons, dry..	11.9	1.1	23.2	1.3
Land in orchards.....farms..	-13.6	1.8	-18.2	2.2
.....acres..	-23.1	.9	-25.1	.9

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)
West Virginia	17 020	1.1	3 267 188	.8	192	1.4	165 088	2.1	326 514	1.5
Barbour	430	.9	76 080	1.1	177	1.4	109 937	8.6	5 769	7.6
Berkeley	473	1.0	73 430	1.1	155	1.5	293 582	5.8	11 580	4.8
Boone	36	2.4	2 531	5.2	70	5.7	90 370	10.5	423	6.7
Braxton	292	.9	73 407	1.3	251	1.6	91 887	6.3	4 578	10.1
Brooke	80	1.2	12 175	2.2	152	2.5	89 151	5.1	1 310	3.7
Cabell	327	1.6	35 587	2.2	109	2.7	87 350	8.4	3 020	10.5
Calhoun	162	1.5	34 919	2.1	216	2.6	89 889	9.1	2 369	7.5
Clay	91	1.2	14 868	3.0	163	3.2	142 220	7.1	1 672	4.1
Doddridge	261	.8	59 184	1.1	227	1.3	122 765	9.9	4 191	17.3
Fayette	170	1.8	20 455	2.6	120	3.1	98 996	11.9	2 535	6.8
Gilmer	220	1.0	52 748	1.6	240	1.8	111 731	9.6	3 815	13.5
Grant	355	.9	106 325	1.0	300	1.3	246 844	5.1	7 803	10.6
Greenbrier	705	1.1	179 736	1.0	255	1.5	206 451	6.5	17 857	3.8
Hampshire	547	1.2	135 577	1.3	248	1.7	232 039	7.1	12 150	9.7
Hancock	75	1.2	7 710	3.1	103	3.3	132 626	5.4	1 973	4.3
Hardy	486	1.0	141 742	.8	292	1.3	363 121	12.4	20 145	5.3
Harrison	537	1.1	88 571	1.2	165	1.7	137 886	13.2	9 572	9.5
Jackson	630	1.1	101 214	1.4	161	1.8	124 982	9.7	8 690	9.7
Jefferson	334	.8	74 268	.9	222	1.2	608 207	5.2	15 319	6.5
Kanawha	158	1.6	19 956	2.3	126	2.8	123 661	5.9	2 269	4.6
Lewis	336	.8	81 096	1.1	241	1.4	139 723	8.5	5 484	8.6
Lincoln	267	1.6	30 015	2.5	112	3.0	108 263	16.5	2 972	7.0
Logan	19	2.1	3 113	3.9	164	4.4	115 482	10.6	369	5.0
McDowell	9	2.0	1 088	3.6	121	4.1	119 575	10.8	147	8.0
Marion	331	.9	40 837	1.3	123	1.6	115 363	16.0	4 300	12.3
Marshall	413	1.1	64 332	1.3	156	1.7	98 911	7.2	7 133	9.2
Mason	709	1.3	117 168	1.2	165	1.8	128 181	10.3	13 906	6.3
Mercer	495	2.7	56 555	2.4	114	3.6	105 762	10.9	7 131	8.7
Mineral	316	1.0	74 760	1.4	237	1.7	185 525	8.9	5 180	8.4
Mingo	9	2.9	258	11.1	29	11.5	47 556	20.4	72	11.2
Monongalia	404	1.1	54 622	1.8	135	2.1	138 671	11.1	8 514	9.6
Monroe	606	1.2	148 842	1.1	246	1.6	191 100	6.9	16 134	7.4
Morgan	134	.8	21 871	2.2	163	2.3	220 879	7.9	2 659	6.9
Nicholas	282	1.2	33 085	1.7	117	2.1	129 806	15.2	4 845	9.5
Ohio	127	.7	21 164	1.4	167	1.6	128 182	6.2	2 820	7.5
Pendleton	562	.9	178 160	1.0	317	1.3	228 558	5.3	14 338	4.4
Pleasants	111	2.2	15 650	4.1	141	4.6	110 878	8.0	1 903	4.7
Pocahontas	355	1.2	115 487	1.3	325	1.8	244 453	12.4	9 757	11.2
Preston	799	.9	138 688	1.1	174	1.4	118 179	6.5	15 273	4.7
Putnam	443	1.4	55 827	1.5	126	2.1	112 254	6.7	6 173	5.9
Raleigh	237	1.3	32 633	1.5	138	2.0	146 794	22.7	3 454	8.5
Randolph	362	.9	104 194	1.0	288	1.4	236 618	16.9	6 392	7.2
Ritchie	308	1.1	70 960	1.3	230	1.7	118 281	11.7	4 717	8.4
Roane	437	1.1	82 154	1.4	188	1.8	103 122	9.6	6 515	10.1
Summers	325	1.1	57 717	1.6	178	2.0	158 726	12.1	4 825	7.2
Taylor	256	.8	41 830	1.2	163	1.4	125 165	10.2	3 737	7.3
Tucker	169	.8	32 093	1.5	190	1.7	184 451	6.6	2 942	8.6
Tyler	238	.9	47 366	1.3	199	1.6	94 239	11.4	3 623	12.2
Upshur	407	.9	58 678	1.3	144	1.6	171 818	10.4	6 364	16.3
Wayne	172	1.5	28 622	2.4	166	2.9	111 296	6.1	2 306	5.3
Webster	93	1.9	9 335	3.5	100	4.0	86 774	13.8	1 278	8.2
Wetzel	199	1.2	37 130	1.8	187	2.2	93 315	15.7	2 812	10.9
Wirt	195	1.1	35 836	1.7	184	2.1	121 554	14.1	2 612	7.9
Wood	468	.9	59 846	1.4	128	1.7	137 293	7.2	7 783	9.3
Wyoming	58	1.8	5 693	3.9	98	4.3	98 659	7.0	1 003	6.4

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)
West Virginia	19 257	1.9	364 203	.3	21 399	1.1	17 022	1.1	308 703	.7
Barbour	13 417	7.7	3 692	1.4	8 586	1.7	430	1.2	2 859	7.5
Berkeley	24 481	4.9	21 447	.4	45 343	1.1	473	1.2	18 679	2.0
Boone	11 744	9.1	79	14.9	2 187	15.0	36	6.2	81	12.1
Braxton	15 625	10.2	1 939	2.0	6 639	2.2	293	1.3	1 710	11.9
Brooke	16 377	5.0	814	3.8	10 172	4.0	80	3.4	634	3.3
Cabell	9 649	11.0	2 259	3.4	6 907	3.7	327	1.7	1 625	16.8
Calhoun	14 536	7.8	587	2.8	3 623	3.2	163	2.3	672	7.1
Clay	18 376	5.2	492	2.9	5 403	3.1	91	3.3	450	3.7
Doddridge	16 059	17.3	1 656	1.6	6 345	1.8	261	1.1	1 595	10.9
Fayette	14 912	7.3	1 251	1.7	7 356	2.5	170	2.6	912	5.6
Gilmer	17 343	13.6	1 860	2.2	8 453	2.4	220	1.4	1 664	19.0
Grant	22 043	10.6	22 774	.2	64 152	.9	354	1.0	20 250	1.3
Greenbrier	25 293	4.0	34 023	.4	48 259	1.2	706	1.2	22 245	1.9
Hampshire	22 171	9.7	10 262	1.0	18 760	1.5	548	1.3	10 017	3.5

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	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)
Hancock	26 313	5.7	879	3.6	11 716	3.8	75	3.7	896	3.3
Hardy	41 451	5.4	67 556	.2	139 004	1.0	486	1.2	59 864	1.4
Harrison	17 858	9.6	4 157	1.5	7 742	1.8	536	1.3	4 190	9.4
Jackson	13 772	9.8	4 144	1.6	6 578	2.0	631	1.3	3 833	8.0
Jefferson	45 865	6.6	20 737	.4	62 088	.9	334	.9	19 722	1.9
Kanawha	14 363	5.2	1 866	.8	11 810	1.8	158	2.4	1 148	4.4
Lewis	16 322	8.7	3 707	1.4	11 034	1.6	336	1.1	3 407	9.5
Lincoln	11 090	7.3	1 618	1.9	6 061	2.5	268	2.0	1 536	5.5
Logan	19 432	8.7	164	3.0	8 621	3.7	19	7.1	176	2.1
McDowell	16 280	11.8	151	26.3	16 830	26.4	9	8.7	131	18.1
Marion	13 029	12.3	1 478	1.6	4 464	1.8	330	1.2	1 232	9.3
Marshall	17 314	9.3	3 622	1.8	8 771	2.1	412	1.3	2 785	7.1
Mason	19 614	6.5	14 284	.7	20 146	1.4	709	1.3	10 045	3.6
Mercer	14 672	9.2	2 807	2.3	5 670	3.6	496	2.7	2 144	11.2
Mineral	16 445	8.5	3 960	1.8	12 532	2.0	315	1.3	3 768	12.7
Mingo	7 944	14.9	73	17.4	8 159	17.7	9	9.8	41	14.7
Monongalia	22 114	10.1	2 556	1.9	6 328	2.2	403	1.3	2 650	6.4
Monroe	26 580	7.5	16 104	.9	26 574	1.5	607	1.3	12 759	4.7
Morgan	19 841	7.2	1 599	1.5	11 933	1.7	134	2.0	1 389	4.7
Nicholas	17 120	9.6	2 303	1.9	8 166	2.3	283	1.4	1 562	11.0
Ohio	22 205	7.9	2 016	1.4	15 874	1.6	127	2.4	1 632	4.5
Pendleton	25 512	4.5	50 691	.2	90 198	.9	562	1.0	44 516	1.2
Pleasants	17 144	6.2	843	5.2	7 592	5.7	111	4.1	857	6.7
Pocahontas	27 484	11.2	5 462	1.3	15 386	1.8	355	1.4	4 136	7.9
Preston	19 139	4.8	10 061	.9	12 592	1.3	798	1.0	8 748	5.4
Putnam	14 062	6.2	3 096	1.2	6 989	1.9	443	1.7	2 587	5.9
Raleigh	14 574	8.6	1 704	1.3	7 190	1.9	237	1.7	1 638	13.6
Randolph	17 657	7.3	5 592	1.0	15 449	1.3	362	1.2	4 506	4.7
Ritchie	15 315	8.5	3 786	1.0	12 292	1.5	308	1.4	3 032	6.1
Roane	14 909	10.2	2 437	1.9	5 577	2.2	437	1.2	2 822	18.1
Summers	15 172	7.6	3 242	1.9	9 975	2.2	326	1.2	2 291	7.4
Taylor	14 599	7.4	4 314	1.0	16 853	1.3	256	1.3	2 884	4.2
Tucker	17 410	8.8	1 287	2.4	7 616	2.5	169	2.0	983	8.6
Tyler	15 223	12.2	1 662	2.1	6 981	2.3	238	1.3	1 233	10.4
Upshur	15 636	16.3	2 835	1.7	6 965	2.0	407	1.2	2 276	7.8
Wayne	13 408	5.8	1 079	2.8	6 275	3.2	172	2.2	935	4.8
Webster	13 741	8.8	244	5.0	2 629	5.4	93	3.2	296	9.0
Wetzel	15 039	11.6	829	4.0	4 165	4.2	199	1.7	696	10.3
Wirt	13 394	8.0	3 324	1.6	17 044	2.0	195	1.4	3 190	10.4
Wood	16 666	9.3	2 533	1.7	5 413	2.0	467	1.1	2 568	9.6
Wyoming	17 290	7.9	266	10.8	4 579	11.0	58	4.6	203	7.5

Farm production expenses¹—Con.

Geographic area	Livestock and poultry purchased										Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		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)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)		
West Virginia	5 457	2.6	54 571	1.9	10 551	1.6	101 386	.6	4 496	2.7	3 733	1.8						
Barbour	175	13.3	481	13.8	286	7.2	478	12.7	63	26.1	33	11.2						
Berkeley	180	11.6	930	3.6	280	5.4	2 119	3.1	166	10.1	229	4.2						
Boone	4	21.5	15	34.5	14	9.1	(D)	(D)	20	8.3	1	14.9						
Braxton	96	20.8	436	32.3	190	9.8	238	18.5	45	28.6	11	22.9						
Brooke	15	6.3	27	8.9	41	4.6	132	3.9	21	5.7	14	5.7						
Cabell	40	37.9	117	18.6	137	16.3	88	23.8	189	11.2	37	27.1						
Calhoun	48	11.7	75	10.1	90	7.8	83	12.7	25	18.4	6	20.8						
Clay	26	5.6	87	4.5	57	4.0	64	5.5	11	8.8	4	18.5						
Doddridge	134	13.4	381	10.6	182	11.2	237	27.9	6	98.0	1	98.0						
Fayette	39	16.7	217	9.1	86	9.2	89	9.4	27	21.6	14	16.8						
Gilmer	88	16.6	432	47.3	143	10.0	287	11.7	34	25.8	6	27.8						
Grant	150	15.2	3 112	3.4	270	8.0	12 141	1.3	105	21.2	40	15.3						
Greenbrier	248	10.1	7 667	4.0	492	5.2	3 431	2.7	193	13.2	146	8.5						
Hampshire	168	13.2	1 090	10.4	346	7.1	2 054	4.9	213	11.9	218	6.3						
Hancock	15	8.4	19	10.1	43	5.1	34	7.1	36	4.9	96	4.1						
Hardy	267	10.2	13 830	2.5	339	8.3	33 186	1.1	175	14.4	187	6.3						
Harrison	165	13.5	679	23.3	356	7.3	742	14.8	80	23.1	34	33.9						
Jackson	251	11.2	671	19.7	396	6.3	485	15.3	148	14.3	40	19.9						
Jefferson	128	14.7	1 014	8.6	224	8.5	3 088	3.2	180	12.0	502	3.4						
Kanawha	32	14.0	74	22.0	104	5.6	146	6.8	38	13.6	101	1.6						
Lewis	152	13.3	838	17.6	199	8.8	505	13.7	45	28.3	21	30.8						
Lincoln	44	36.4	79	46.8	71	26.2	57	39.3	156	10.6	30	24.1						
Logan	5	14.2	(D)	(D)	11	9.9	37	1.6	14	7.9	2	8.0						
McDowell	2	18.9	(D)	(D)	1	37.8	(D)	(D)	3	17.9	(Z)	25.2						

See footnotes at end of table.

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

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

Geographic area	Farm production expenses 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)
Marion	82	24.0	125	26.3	209	10.4	122	16.2	6	.4	6	.4
Marshall	125	17.9	275	20.5	273	9.1	768	10.8	89	20.9	44	10.2
Mason	155	17.2	741	34.6	374	8.6	1 931	2.5	371	8.2	330	8.4
Mercer	106	18.8	535	29.3	280	9.6	180	16.0	90	17.8	43	13.4
Mineral	96	21.3	469	19.9	181	13.4	1 294	19.1	82	21.4	34	17.8
Mingo	3	18.6	4	28.5	8	9.8	17	14.8	3	17.2	(D)	(D)
Monongalia	122	20.2	323	23.4	266	9.3	457	10.4	42	22.9	30	32.3
Monroe	248	10.6	3 224	10.1	409	6.1	1 996	9.6	258	10.7	387	10.1
Morgan	26	20.8	51	35.6	56	11.0	116	12.5	78	7.8	40	7.5
Nicholas	94	18.3	337	33.9	132	15.1	200	8.7	31	36.2	(D)	(D)
Ohio	42	13.4	58	14.4	102	5.1	393	4.7	48	10.2	35	10.9
Pendleton	279	9.9	7 841	4.8	442	5.1	28 412	.5	91	18.0	80	5.7
Pleasants	43	6.1	190	6.9	60	5.4	70	5.7	21	8.6	18	15.6
Pocahontas	120	19.5	1 082	9.6	228	10.5	494	21.8	78	21.0	40	18.8
Preston	208	13.2	1 035	21.2	518	6.0	1 435	6.2	271	9.9	214	6.1
Putnam	101	20.5	185	25.9	208	10.7	163	15.9	195	12.1	83	10.7
Raleigh	52	29.4	318	45.4	122	16.4	154	18.2	33	34.8	17	7.7
Randolph	169	10.0	1 211	10.2	228	8.3	577	9.6	56	26.6	31	11.4
Ritchie	88	22.2	1 259	5.1	209	9.9	338	7.8	35	36.4	11	25.4
Roane	152	16.0	829	38.4	268	9.4	235	27.3	114	18.4	20	26.5
Summers	129	16.6	447	23.0	222	8.2	320	11.0	63	24.0	76	13.0
Taylor	60	22.2	334	28.0	190	7.1	304	7.6	21	40.5	(D)	(D)
Tucker	43	13.2	155	30.1	93	7.7	134	17.8	36	13.9	8	17.4
Tyler	63	22.8	135	41.1	154	10.6	210	16.9	64	21.2	16	31.3
Upshur	112	19.2	388	17.0	258	8.4	315	11.4	44	30.7	19	47.8
Wayne	40	16.3	72	14.4	99	6.3	137	9.4	60	9.5	26	11.0
Webster	14	32.8	25	46.0	47	16.4	27	17.6	24	27.8	4	36.9
Wetzel	53	26.9	65	35.6	145	8.2	101	12.9	53	28.4	7	29.8
Wirt	49	30.7	278	18.2	112	14.5	378	20.9	24	33.3	(D)	(D)
Wood	107	18.6	250	19.6	270	8.2	352	16.5	113	16.5	52	9.4
Wyoming	4	19.0	5	24.3	30	6.4	22	6.1	9	10.3	13	15.6

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)
West Virginia	9 717	1.8	11 670	2.8	7 996	2.0	6 428	1.8	16 045	1.2	15 877	1.4
Barbour	233	9.6	140	13.1	132	14.1	19	22.6	409	2.3	280	7.0
Berkeley	267	8.0	493	5.7	353	6.0	1 830	3.4	467	1.6	792	3.3
Boone	23	7.3	(D)	(D)	24	7.7	(D)	(D)	33	6.5	8	12.0
Braxton	166	10.9	100	24.1	119	12.8	51	66.7	265	5.0	184	11.1
Brooke	32	4.8	26	5.1	41	4.5	19	5.3	79	3.4	50	4.0
Cabell	253	6.0	355	62.7	214	9.8	41	21.2	318	3.1	133	12.3
Calhoun	72	9.1	52	10.2	48	11.1	13	18.0	145	3.9	76	8.7
Clay	57	4.0	37	5.0	31	5.7	7	8.6	84	3.4	37	5.1
Doddridge	119	16.9	63	21.1	111	14.7	11	26.3	241	5.7	138	17.4
Fayette	111	7.2	63	8.4	96	8.2	11	9.0	162	3.3	72	9.2
Gilmer	76	18.0	57	18.3	99	15.3	29	38.7	195	4.8	162	15.9
Grant	217	10.3	208	11.0	188	11.7	54	18.8	346	2.2	649	4.3
Greenbrier	383	8.1	767	6.1	411	6.7	186	12.6	686	1.7	968	5.2
Hampshire	419	5.8	578	9.8	258	9.7	376	12.1	547	1.3	746	10.0
Hancock	40	4.7	23	6.1	52	4.3	75	1.2	67	3.9	89	4.5
Hardy	208	12.7	522	6.3	309	8.8	220	10.6	463	2.5	1 447	2.2
Harrison	269	10.7	227	18.3	172	14.5	44	18.3	469	3.0	364	11.7
Jackson	371	7.0	242	14.6	255	9.3	51	18.2	609	2.0	382	10.7
Jefferson	238	8.8	1 343	4.3	236	8.3	1 280	2.3	317	3.5	935	4.5
Kanawha	56	10.9	29	13.2	58	9.9	13	9.8	146	3.1	105	6.4
Lewis	186	11.4	175	21.4	171	9.0	42	10.4	330	2.0	336	12.4
Lincoln	192	9.7	110	6.9	183	10.6	53	17.5	268	2.0	113	9.4
Logan	10	9.6	4	7.1	15	8.2	4	6.6	17	6.8	14	2.3
McDowell	4	10.1	7	7.0	6	11.3	20	12.9	9	8.7	12	13.7
Marion	70	24.9	58	23.5	90	21.5	29	25.2	322	2.5	166	16.9
Marshall	171	14.4	91	12.7	136	15.7	43	16.6	375	4.3	234	8.8
Mason	502	5.5	861	9.7	411	8.1	217	6.3	674	2.5	870	4.7
Mercer	293	10.0	169	11.8	173	13.7	38	19.2	425	5.7	168	10.5
Mineral	158	12.9	154	11.1	111	19.0	30	9.1	287	5.4	229	8.4
Mingo	1	38.9	(D)	(D)	1	33.7	(D)	(D)	9	9.8	1	12.5
Monongalia	173	14.1	149	17.5	125	18.2	49	21.9	383	2.8	228	9.7
Monroe	457	5.6	950	7.3	275	10.7	424	3.2	581	2.3	698	8.5
Morgan	77	7.2	87	9.7	70	9.1	82	6.7	127	2.8	141	8.8
Nicholas	164	9.3	128	13.3	148	10.6	26	28.2	277	2.4	156	23.8
Ohio	61	9.5	64	8.6	58	10.4	13	17.6	124	3.0	139	7.7
Pendleton	285	9.4	368	10.9	380	6.0	148	8.7	539	2.6	1 043	3.7
Pleasants	55	5.5	52	8.6	55	5.4	30	15.7	105	4.2	62	5.5
Pocahontas	234	10.9	300	11.3	189	12.7	82	14.9	336	3.0	277	10.7
Preston	538	5.5	750	11.3	300	10.5	159	19.2	754	2.1	664	6.6

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)
Putnam	318	6.4	212	9.2	273	7.9	87	9.0	417	3.1	280	11.1
Raleigh	147	12.0	114	15.1	114	13.5	32	17.4	218	4.6	154	21.2
Randolph	183	9.6	221	9.6	172	12.5	118	16.7	336	2.9	297	5.5
Ritchie	192	10.5	169	29.4	77	22.0	15	20.8	284	4.5	191	12.5
Roane	241	10.9	145	15.6	250	10.5	111	21.9	429	2.2	212	11.4
Summers	209	8.9	157	12.4	119	15.8	57	18.2	272	5.6	143	17.8
Taylor	114	14.1	90	15.7	53	25.0	13	22.7	237	4.2	314	3.9
Tucker	101	6.9	75	11.7	60	11.4	11	21.2	162	2.6	101	10.0
Tyler	144	10.8	99	13.6	62	23.2	10	18.3	217	4.2	122	12.7
Upshur	176	13.2	87	23.3	187	10.1	35	32.9	390	2.5	244	11.3
Wayne	104	6.1	79	7.0	103	6.7	25	9.5	158	3.7	99	6.9
Webster	54	12.7	47	18.0	49	12.9	3	28.7	85	5.7	33	9.7
Wetzel	73	20.9	29	20.9	61	25.8	10	29.5	192	3.6	85	13.7
Wirt	105	16.0	159	36.2	67	25.3	(D)	(D)	189	2.9	164	20.3
Wood	286	7.4	169	9.9	220	9.6	63	14.0	420	3.1	251	9.8
Wyoming	29	6.0	10	6.0	25	6.4	4	15.7	49	4.8	22	7.1

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)
West Virginia	7 275	2.1	4 872	3.1	5 179	2.6	26 956	1.3	1 180	6.0	3 520	5.1
Barbour	139	15.0	55	21.3	121	16.5	189	22.8	25	40.2	24	65.4
Berkeley	279	7.4	300	2.3	150	12.5	4 567	4.1	90	20.4	1 225	6.7
Boone	9	11.2	1	16.0	4	21.5	2	27.3	6	12.1	2	19.4
Braxton	116	16.3	43	36.3	73	23.4	124	28.8	14	62.4	14	60.1
Brooke	44	4.6	25	4.9	21	5.9	39	1.3	3	16.5	(D)	(D)
Cabell	135	17.4	27	25.0	82	22.5	119	12.7	8	81.8	29	90.3
Calhoun	39	13.8	8	23.2	56	11.1	61	18.0	6	7.8	(D)	(D)
Clay	21	6.0	4	9.1	28	5.3	17	6.3	15	8.1	14	14.0
Doddridge	102	20.5	16	21.6	66	20.8	83	20.7	—	—	—	—
Fayette	48	14.1	10	10.9	51	12.9	36	15.0	7	47.0	8	70.8
Gilmer	41	30.3	7	37.8	45	25.5	60	31.4	9	50.2	(D)	(D)
Grant	220	12.0	299	2.7	75	19.9	605	.6	20	26.9	25	23.2
Greenbrier	330	9.0	379	5.4	271	10.8	3 309	3.0	73	20.8	314	9.6
Hampshire	272	9.7	184	13.9	180	13.6	1 337	2.5	54	26.3	304	36.0
Hancock	37	5.0	20	5.0	12	6.8	147	5.3	8	9.7	4	14.0
Hardy	293	8.0	679	1.2	189	11.2	2 287	.5	30	28.2	75	1.4
Harrison	237	11.9	76	13.9	143	16.7	265	14.4	65	31.2	69	41.7
Jackson	292	9.2	87	22.2	171	13.2	235	32.1	35	38.4	78	41.4
Jefferson	247	8.4	366	4.7	187	10.0	3 782	2.9	51	27.5	315	11.6
Kanawha	39	12.5	21	11.6	33	15.8	172	1.3	9	23.7	28	17.7
Lewis	142	13.3	32	17.8	161	9.9	190	34.5	16	51.5	10	48.2
Lincoln	83	21.9	11	23.6	117	18.5	122	8.5	29	43.9	65	22.3
Logan	7	10.2	(D)	(D)	6	10.6	(D)	(D)	—	—	—	—
McDowell	4	10.1	1	6.6	6	11.3	46	31.3	—	—	—	—
Marion	90	20.5	16	22.0	91	21.9	94	17.8	1	—	(D)	(D)
Marshall	242	9.8	105	11.3	73	26.9	114	6.3	19	54.3	11	52.6
Mason	279	10.4	226	3.3	199	14.5	1 289	2.6	58	30.8	159	35.7
Mercer	136	16.9	22	30.3	119	18.5	87	13.9	29	38.1	11	40.5
Mineral	118	17.6	67	15.7	97	18.1	226	18.1	36	38.7	50	28.3
Mingo	3	17.2	(D)	(D)	3	21.7	(D)	(D)	—	—	—	—
Monongalia	182	14.5	63	12.7	97	21.4	464	2.9	28	47.4	33	78.2
Monroe	245	10.4	314	42.4	258	10.8	1 033	15.6	63	24.5	82	17.6
Morgan	63	8.8	33	8.2	29	15.2	233	1.6	21	21.2	124	10.7
Nicholas	56	16.5	13	22.9	53	25.3	98	13.3	11	60.2	10	71.2
Ohio	87	6.3	44	8.1	37	14.5	137	2.4	6	29.0	8	9.8
Pendleton	342	7.1	493	2.5	201	12.1	735	.8	35	33.0	62	13.6
Pleasants	42	6.3	17	6.5	31	6.9	90	8.0	5	16.4	2	19.0
Pocahontas	194	13.1	49	18.3	106	20.0	179	19.3	11	66.4	18	54.5
Preston	376	7.4	284	10.9	193	13.4	576	3.0	75	27.7	51	40.3
Putnam	166	14.8	45	16.9	126	16.5	533	7.0	20	43.3	49	38.5
Raleigh	83	20.1	26	32.1	84	21.7	244	7.1	24	41.1	13	35.7
Randolph	168	13.5	71	12.3	115	18.1	498	12.1	13	75.0	33	89.6
Ritchie	93	22.8	24	18.8	110	17.7	123	15.1	11	65.4	17	24.1
Roane	107	20.3	15	31.8	205	11.3	124	23.8	9	85.7	4	93.2
Summers	59	25.8	28	13.0	100	18.7	295	4.2	9	66.1	11	16.5
Taylor	98	16.4	29	8.5	100	16.8	773	4.0	18	45.9	41	42.0
Tucker	82	8.1	23	29.2	33	16.1	66	18.1	5	40.1	6	52.3
Tyler	76	20.8	21	32.8	52	24.2	44	14.5	7	67.7	3	34.9
Upshur	170	13.6	38	12.4	143	15.1	111	25.0	30	40.7	18	55.1

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)
Wayne.....	77	8.9	17	10.2	48	12.3	66	9.9	8	38.2	7	65.3
Webster.....	27	22.0	3	24.6	11	33.4	6	48.6	3	63.4	4	63.4
Wetzel.....	71	18.9	11	19.8	58	25.5	64	25.9	8	68.7	13	21.2
Wirt.....	128	13.3	41	9.3	31	35.1	655	.6	24	46.7	29	39.4
Wood.....	228	9.6	80	17.4	110	16.3	142	20.4	14	51.8	5	42.3
Wyoming.....	11	8.6	4	13.7	18	7.0	40	18.1	6	12.8	(D)	(D)
Farm production expenses ¹ —Con.												
Geographic area	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)
	West Virginia	13 117	1.4	19 831	1.8	2 391	4.0	2 452	5.9	3 963	3.0	17 179
Barbour.....	314	7.1	412	9.9	27	43.0	14	46.8	77	17.7	147	22.1
Berkeley.....	391	4.7	1 146	3.9	118	14.4	263	19.3	140	14.7	1 110	8.6
Boone.....	24	7.8	6	10.9	2	30.1	(D)	(D)	5	14.2	(D)	(D)
Braxton.....	217	8.3	164	12.8	35	36.0	42	64.0	53	29.1	64	25.3
Brooke.....	52	4.1	71	4.4	3	10.0	(D)	(D)	17	6.4	40	7.1
Cabell.....	222	9.6	184	19.6	37	37.8	15	38.9	33	41.6	149	42.6
Calhoun.....	102	6.3	110	11.2	12	26.2	4	72.5	25	17.0	67	22.4
Clay.....	62	3.8	48	5.1	8	8.6	4	10.6	21	7.0	39	10.6
Doddridge.....	223	7.3	193	23.1	—	—	—	—	61	22.5	184	27.8
Fayette.....	122	5.7	112	7.4	—	—	—	—	25	19.8	74	41.0
Gilmer.....	143	9.6	262	24.2	2	—	(D)	(D)	45	23.4	80	27.7
Grant.....	320	4.7	587	6.3	57	28.8	24	19.0	152	11.0	970	3.8
Greenbrier.....	572	4.4	1 153	6.4	137	13.3	154	11.9	280	9.2	1 327	7.9
Hampshire.....	461	4.4	924	11.3	167	13.7	105	16.8	166	14.4	603	15.0
Hancock.....	50	4.4	83	5.0	12	7.1	11	6.2	17	6.1	22	10.0
Hardy.....	406	5.4	1 255	4.6	110	19.2	102	18.9	258	10.6	2 517	6.8
Harrison.....	421	5.3	398	12.9	53	28.4	33	48.8	139	19.6	462	26.4
Jackson.....	552	3.2	590	11.0	46	32.3	17	25.8	141	15.6	332	22.7
Jefferson.....	315	3.7	1 480	5.0	139	14.3	460	11.4	142	11.7	1 417	3.1
Kanawha.....	119	5.0	126	8.5	11	25.2	9	4.2	23	19.0	105	14.0
Lewis.....	273	5.0	480	14.7	74	20.4	50	24.5	83	20.2	185	26.7
Lincoln.....	185	10.8	206	8.0	12	80.4	51	76.3	41	32.1	94	12.2
Logan.....	14	8.2	13	11.0	—	—	—	—	1	—	(D)	(D)
McDowell.....	9	8.7	7	11.3	—	—	—	—	—	—	—	—
Marion.....	263	7.0	193	14.5	9	66.9	7	83.4	61	30.2	100	34.3
Marshall.....	334	6.3	385	17.4	61	29.7	24	22.6	66	21.2	204	23.8
Mason.....	502	5.5	1 011	6.4	94	21.9	111	15.9	105	20.8	559	10.5
Mercer.....	300	9.2	150	13.4	17	41.9	5	95.2	77	19.9	276	48.5
Mineral.....	197	9.0	254	10.8	45	31.6	18	26.4	51	29.2	405	29.5
Mingo.....	4	16.3	1	24.9	4	17.2	(D)	(D)	—	—	—	—
Monongalia.....	279	7.7	294	15.8	54	27.9	30	56.9	71	23.3	121	32.5
Monroe.....	519	3.9	891	7.6	125	17.9	80	20.9	223	12.2	561	13.0
Morgan.....	109	5.0	175	11.2	21	20.7	13	29.3	29	18.9	43	17.5
Nicholas.....	204	8.5	192	16.7	1	—	(D)	(D)	44	31.2	97	19.8
Ohio.....	110	4.4	193	7.4	27	17.0	16	17.8	35	14.4	190	23.7
Pendleton.....	441	5.8	1 197	7.0	161	14.5	181	20.4	179	13.1	1 346	6.5
Pleasants.....	81	4.6	88	7.0	11	10.2	13	11.9	19	8.4	85	9.0
Pocahontas.....	281	4.6	322	7.7	101	20.4	33	20.3	90	17.3	443	27.8
Preston.....	628	4.3	1 035	7.2	176	15.0	163	39.0	143	15.7	504	23.9
Putnam.....	350	5.7	264	11.9	19	45.4	57	54.6	70	22.2	115	17.1
Raleigh.....	169	10.1	163	18.0	41	39.2	29	58.8	43	30.8	122	11.2
Randolph.....	299	5.1	392	9.6	53	30.3	78	67.7	108	20.0	270	17.3
Ritchie.....	250	7.2	263	16.4	35	36.8	19	30.6	81	20.3	218	25.3
Roane.....	345	6.0	347	16.5	26	53.1	28	72.7	63	31.3	177	58.5
Summers.....	214	6.9	155	10.7	14	46.6	8	9.7	63	26.0	168	30.6
Taylor.....	207	7.0	188	14.1	41	31.1	(D)	(D)	40	25.9	148	29.0
Tucker.....	122	5.4	114	9.2	15	23.6	4	24.6	24	20.0	62	23.7
Tyler.....	194	6.8	208	17.2	44	27.9	8	41.5	63	22.6	124	28.8
Upshur.....	290	6.8	390	23.7	56	28.6	52	41.5	72	24.7	117	28.9
Wayne.....	126	5.9	126	9.0	19	18.7	7	20.7	33	16.6	69	27.0
Webster.....	72	7.3	37	14.4	5	48.5	14	62.3	7	45.5	8	70.9
Wetzel.....	115	14.2	106	14.4	13	53.5	8	33.6	26	42.3	15	46.7
Wirt.....	151	9.9	241	16.6	14	35.0	53	27.5	34	30.2	357	14.8
Wood.....	349	5.9	416	19.9	25	38.4	15	45.6	95	18.9	274	24.4
Wyoming.....	43	5.0	28	4.8	2	—	(D)	(D)	3	17.2	2	17.2

See footnotes at end of table.

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

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

Geographic area	Farm production expenses 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)
West Virginia	2 126	4.1	4 379	2.8	16 204	1.2	7 599	1.9	14 061	1.3	28 251	1.1
Barbour	51	28.8	15	24.1	418	2.3	101	13.0	350	5.7	472	10.9
Berkeley	8	10.8	381	9.0	446	2.2	377	8.2	424	3.9	2 917	2.4
Boone	1	42.2	(D)	(D)	34	6.4	8	10.5	20	8.1	10	14.2
Braxton	27	38.9	16	28.8	284	2.5	76	13.0	235	7.2	148	12.6
Brooke	5	11.6	4	13.8	75	3.5	35	3.5	69	3.6	114	6.5
Cabell	31	44.3	15	50.6	301	4.3	103	13.3	267	7.0	213	17.5
Calhoun	2	92.7	(D)	(D)	159	2.5	51	6.4	106	6.4	64	8.4
Clay	9	9.0	4	16.4	88	3.4	24	4.4	72	3.6	60	4.0
Doddridge	32	41.9	26	56.3	251	4.0	92	17.4	188	10.1	169	25.0
Fayette	12	33.4	5	31.1	164	3.0	79	12.0	118	6.3	122	6.6
Gilmer	47	22.3	58	21.4	191	6.1	76	18.3	136	8.4	136	16.5
Grant	56	24.2	101	19.4	340	3.5	155	10.1	307	6.5	1 281	3.9
Greenbrier	111	16.0	358	5.8	675	2.2	395	5.0	635	3.0	1 693	4.1
Hampshire	62	24.9	215	9.6	540	1.7	265	9.2	506	3.2	1 019	6.4
Hancock	7	11.9	8	13.8	66	3.9	37	7.5	58	4.1	227	3.0
Hardy	85	20.2	358	1.2	485	1.2	386	8.6	432	3.9	2 812	2.0
Harrison	44	37.4	34	36.6	494	3.7	256	14.1	440	5.2	509	16.4
Jackson	71	22.5	50	30.5	599	2.4	242	9.1	502	4.4	330	8.9
Jefferson	100	14.6	512	6.4	323	3.1	423	11.4	294	4.7	2 805	4.0
Kanawha	8	24.5	5	32.7	154	2.8	65	6.3	103	6.6	149	5.0
Lewis	77	20.8	57	17.9	315	3.3	130	8.4	275	5.5	356	10.1
Lincoln	31	34.1	241	8.1	246	4.7	80	10.6	214	7.7	224	7.8
Logan	1	-	(D)	(D)	19	7.1	6	8.1	16	7.5	18	4.6
McDowell	-	-	-	-	9	8.7	11	13.7	8	8.5	22	21.5
Marion	17	45.5	(D)	(D)	314	3.2	188	16.4	222	9.9	122	18.7
Marshall	8	44.1	8	36.8	392	3.0	95	6.9	351	5.1	386	7.6
Mason	76	23.4	308	24.4	649	3.2	289	8.8	534	5.0	1 145	3.4
Mercer	34	31.7	8	23.7	473	3.7	153	10.0	431	5.3	299	9.5
Mineral	28	27.8	28	16.3	315	1.3	207	17.3	280	4.7	303	9.8
Mingo	3	17.2	(D)	(D)	7	11.2	4	18.1	6	13.3	4	18.8
Monongalia	28	36.4	18	19.6	394	1.7	157	7.8	336	6.2	232	11.0
Monroe	141	15.6	462	5.7	582	2.3	299	10.5	536	3.2	1 358	5.1
Morgan	26	15.7	28	11.5	128	2.4	73	6.1	111	4.3	153	2.4
Nicholas	23	47.0	13	37.3	258	3.9	75	26.4	204	8.0	213	19.4
Ohio	20	17.0	19	26.4	122	3.0	65	10.4	118	3.1	258	3.5
Pendleton	135	18.8	338	9.7	528	2.8	292	4.3	507	4.1	1 982	2.3
Pleasants	5	19.2	12	20.1	106	4.2	33	4.7	74	4.8	97	6.8
Pocahontas	72	25.1	149	14.9	348	2.2	172	11.1	323	4.6	497	15.0
Preston	112	17.2	105	19.1	767	2.0	443	6.8	672	3.4	1 331	4.8
Putnam	14	43.0	48	14.9	405	3.6	193	8.8	364	5.3	273	9.2
Raleigh	24	48.8	4	29.5	222	4.6	92	31.7	186	7.8	157	17.7
Randolph	64	14.6	60	10.3	360	1.2	111	11.6	315	4.3	541	5.9
Ritchie	19	46.3	14	21.1	299	2.7	120	11.3	264	6.3	249	14.7
Roane	42	37.9	42	44.0	423	2.5	151	10.1	382	4.7	384	16.9
Summers	48	29.8	33	24.3	306	3.4	73	11.3	264	6.9	319	7.1
Taylor	33	33.0	28	39.6	248	2.6	99	11.0	220	5.5	454	3.4
Tucker	25	13.3	35	28.6	159	2.7	50	9.4	128	4.5	140	12.3
Tyler	17	44.5	11	30.3	227	3.5	73	12.9	158	9.7	148	17.4
Upshur	55	23.2	57	28.6	407	1.2	140	7.6	323	6.0	265	12.1
Wayne	23	20.7	30	34.2	161	3.2	49	6.0	135	4.9	127	8.0
Webster	8	24.7	3	34.3	82	6.3	28	10.0	74	8.1	56	19.8
Wetzel	-	-	-	-	193	3.5	59	11.1	161	8.7	125	20.2
Wirt	29	41.9	30	22.4	188	2.9	117	20.4	171	6.6	461	4.4
Wood	32	31.0	15	11.7	410	3.3	201	10.2	393	4.3	283	9.3
Wyoming	7	11.2	3	13.0	55	4.6	25	6.9	43	5.1	21	5.7

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)
West Virginia	17 022	1.1	49 571	3.4	15 891	1.1	1 294 134	.8	14 531	1.1	555 818	.8
Barbour	430	1.2	629	20.8	415	.9	36 684	1.4	388	1.0	13 706	1.2
Berkeley	473	1.2	2 154	9.4	442	1.1	48 632	1.0	409	1.1	30 324	1.0
Boone	36	6.2	(D)	(D)	33	3.0	405	7.6	30	3.7	142	6.1
Braxton	293	1.3	135	163.6	287	1.0	25 401	1.6	264	1.1	8 752	2.0
Brooke	80	3.4	180	8.0	78	1.3	7 336	2.5	72	1.8	3 236	2.7
Cabell	327	1.7	261	118.1	308	1.7	10 845	2.6	284	1.8	4 020	2.9
Calhoun	163	2.3	(D)	(D)	155	1.6	10 915	2.2	144	1.8	3 708	2.2
Clay	91	3.3	42	28.5	88	1.3	6 340	3.3	75	1.8	1 515	3.5
Doddridge	261	1.1	(D)	(D)	249	.8	20 729	1.6	231	.9	6 530	2.2
Fayette	170	2.6	241	23.5	168	1.8	9 972	2.7	156	1.9	4 200	2.5
Gilmer	220	1.4	(D)	(D)	202	1.1	18 654	2.2	184	1.3	6 153	2.3
Grant	354	1.0	2 419	9.0	306	1.1	33 719	1.2	289	1.1	13 081	1.3
Greenbrier	706	1.2	11 611	3.3	633	1.2	55 389	1.3	558	1.3	23 738	1.2
Hampshire	548	1.3	505	103.1	515	1.2	52 194	1.5	474	1.3	23 724	1.4

See footnotes at end of table.

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

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

Geographic area	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)
Hancock	75	3.7	(D)	(D)	69	1.6	3 976	3.2	66	1.8	2 429	5.1
Hardy	486	1.2	7 001	5.8	404	1.1	45 815	1.0	360	1.2	20 900	.9
Harrison	536	1.3	(D)	(D)	495	1.2	42 558	1.5	457	1.2	14 597	1.7
Jackson	631	1.3	272	97.5	592	1.2	45 970	1.7	543	1.2	17 231	2.3
Jefferson	334	.9	1 394	33.0	300	1.0	56 180	.8	259	1.1	37 226	.9
Kanawha	158	2.4	819	6.0	131	2.0	5 872	3.5	107	2.3	1 727	2.7
Lewis	336	1.1	682	50.1	318	.9	39 186	1.5	299	1.0	11 804	1.4
Lincoln	268	2.0	644	26.7	261	1.7	8 807	4.1	251	1.7	2 460	2.9
Logan	19	7.1	(D)	(D)	18	2.3	266	4.5	15	4.4	137	4.6
McDowell	9	8.7	(D)	(D)	9	2.0	404	8.6	6	7.5	258	14.7
Marion	330	1.2	211	70.6	309	1.0	21 466	1.7	279	1.1	7 722	1.7
Marshall	412	1.3	438	52.6	395	1.1	27 566	1.5	365	1.2	12 733	1.5
Mason	709	1.3	4 331	10.0	670	1.3	48 651	1.4	636	1.3	24 434	1.2
Mercer	496	2.7	404	42.7	463	2.6	20 672	2.8	399	2.6	7 840	2.7
Mineral	315	1.3	(D)	(D)	300	1.0	28 641	1.7	269	1.2	12 502	1.7
Mingo	9	9.8	32	26.7	7	7.6	91	21.1	5	13.7	13	11.5
Monongalia	403	1.3	(D)	(D)	384	1.2	27 831	2.0	363	1.2	11 329	1.9
Monroe	607	1.3	2 563	13.8	555	1.2	58 872	1.4	506	1.3	28 761	1.0
Morgan	134	2.0	(D)	(D)	132	.9	9 916	2.9	121	1.1	5 276	3.2
Nicholas	283	1.4	765	28.0	272	1.3	15 267	2.3	254	1.3	6 359	1.7
Ohio	127	2.4	238	26.0	124	.9	12 469	1.7	119	1.0	7 354	1.8
Pendleton	562	1.0	6 052	5.6	493	1.0	49 024	1.4	431	1.1	16 296	1.1
Pleasants	111	4.1	(D)	(D)	103	2.4	5 741	4.6	86	2.9	3 050	5.5
Pocahontas	355	1.4	1 438	20.7	327	1.3	29 208	1.7	302	1.4	13 084	1.3
Preston	798	1.0	(D)	(D)	764	.9	59 351	1.1	720	.9	32 582	1.2
Putnam	443	1.7	215	112.3	413	1.5	18 505	1.8	377	1.6	7 917	2.5
Raleigh	237	1.7	(D)	(D)	228	1.4	12 518	1.9	213	1.5	5 377	1.7
Randolph	362	1.2	(D)	(D)	342	1.0	36 894	1.6	308	1.1	15 744	1.4
Ritchie	308	1.4	402	45.0	294	1.2	30 023	1.8	261	1.3	10 085	1.6
Roane	437	1.2	(D)	(D)	412	1.2	35 383	1.9	384	1.2	12 285	2.2
Summers	326	1.2	638	30.3	302	1.2	16 727	1.7	271	1.3	6 927	2.0
Taylor	256	1.3	1 213	11.9	245	.9	20 857	1.7	214	1.1	7 864	1.2
Tucker	169	2.0	239	29.5	161	.9	11 834	2.3	148	1.1	5 317	1.7
Tyler	238	1.3	(D)	(D)	229	1.0	18 803	1.6	211	1.1	6 726	1.4
Upshur	407	1.2	483	34.0	383	1.0	25 110	1.6	359	1.1	10 707	1.7
Wayne	172	2.2	286	16.7	161	1.7	8 465	2.4	136	2.0	2 622	2.4
Webster	93	3.2	(D)	(D)	87	2.2	2 984	3.7	72	2.7	1 312	4.6
Wetzel	199	1.7	267	77.1	186	1.3	11 882	2.2	171	1.5	4 093	2.1
Wirt	195	1.4	330	43.0	192	1.2	13 836	2.0	187	1.2	6 009	1.9
Wood	467	1.1	(D)	(D)	432	1.0	27 234	1.6	400	1.1	11 201	1.6
Wyoming	58	4.6	63	22.3	50	2.5	2 064	6.4	43	3.2	699	6.1
Irrigated land				Livestock and poultry								
Geographic area	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
	Farms		Acres		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
West Virginia	312	1.9	2 769	2.3	12 431	1.1	430 708	.8	10 570	1.1	197 886	.9
Barbour	6	7.9	17	9.5	365	1.0	10 653	1.3	322	1.1	5 264	1.6
Berkeley	20	6.6	108	8.1	281	1.5	12 723	1.8	219	1.7	5 482	2.9
Boone	1	40.0	(D)	(D)	13	8.1	100	11.7	11	9.0	51	13.8
Braxton	1	26.4	(D)	(D)	215	1.4	7 049	2.2	188	1.5	3 827	2.4
Brooke	—	—	—	—	53	2.8	1 412	3.4	42	3.5	498	4.9
Cabell	12	10.1	79	4.5	174	2.4	3 001	3.3	147	2.6	1 622	3.7
Calhoun	5	15.3	38	20.9	123	2.1	3 093	3.1	103	2.4	1 667	3.5
Clay	2	23.4	(D)	(D)	69	2.2	1 548	2.3	58	2.6	877	2.8
Doddridge	3	12.0	(D)	(D)	203	1.1	5 301	1.1	183	1.2	2 439	1.4
Fayette	1	41.6	(D)	(D)	129	2.3	2 987	2.5	119	2.5	1 580	2.8
Gilmer	3	15.5	3	15.5	179	1.3	5 493	2.0	145	1.6	2 703	2.2
Grant	2	18.7	(D)	(D)	285	1.1	12 671	1.2	256	1.2	6 984	1.2
Greenbrier	10	9.0	31	10.8	539	1.3	33 981	1.1	422	1.5	13 682	1.4
Hampshire	3	16.1	33	21.9	408	1.4	16 459	1.5	353	1.5	8 483	1.7
Hancock	6	10.6	36	9.5	46	3.0	952	6.5	36	3.9	513	7.3
Hardy	4	15.2	8	17.6	329	1.3	23 084	1.1	276	1.4	9 807	1.6
Harrison	6	12.9	15	14.5	400	1.3	10 872	1.4	348	1.4	5 808	1.5
Jackson	13	7.8	34	10.9	477	1.3	11 614	1.7	425	1.4	6 240	2.0
Jefferson	20	6.5	745	.9	206	1.4	18 286	1.0	148	1.9	4 512	2.1
Kanawha	5	11.1	(D)	(D)	97	2.5	1 642	2.4	91	2.5	913	2.5
Lewis	2	20.5	(D)	(D)	258	1.1	10 092	1.4	199	1.4	5 012	1.7
Lincoln	8	11.6	58	8.9	110	2.7	1 387	3.3	101	2.8	749	3.3
Logan	1	—	(D)	(D)	10	7.3	150	4.0	8	9.8	(D)	(D)
McDowell	—	—	—	—	2	21.7	(D)	(D)	2	21.7	(D)	(D)
Marion	8	9.2	27	15.0	251	1.2	4 672	1.4	229	1.3	2 502	1.7
Marshall	2	12.8	(D)	(D)	331	1.3	7 685	1.4	282	1.5	3 637	1.7
Mason	22	6.3	220	11.3	472	1.5	17 289	1.4	386	1.6	6 497	2.0
Mercer	7	13.6	60	18.4	362	2.7	7 324	2.2	320	2.7	3 857	2.2
Mineral	7	11.3	10	17.1	218	1.4	7 089	1.8	187	1.6	3 119	2.0

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	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)
Mingo	—	—	—	—	4	12.1	(D)	(D)	3	15.7	(D)	(D)
Monongalia	12	7.7	39	12.9	307	1.4	7 063	2.1	279	1.5	3 876	2.5
Monroe	6	13.1	81	17.0	497	1.3	29 073	1.6	385	1.5	12 055	2.0
Morgan	7	10.3	12	14.4	71	2.3	2 026	3.5	62	2.6	(D)	(D)
Nicholas	7	10.4	44	10.0	216	1.5	5 867	1.9	189	1.7	(D)	(D)
Ohio	2	—	(D)	(D)	105	1.2	3 186	1.6	84	1.7	1 087	2.9
Pendleton	6	13.6	(D)	(D)	428	1.1	21 071	1.1	338	1.3	9 074	1.2
Pleasants	1	47.1	(D)	(D)	67	3.6	1 322	4.7	54	4.3	561	6.8
Pocahontas	3	17.3	4	19.6	270	1.5	14 383	1.3	231	1.7	6 960	1.5
Preston	4	16.4	(D)	(D)	614	1.0	20 466	1.0	518	1.1	8 371	1.3
Putnam	15	6.6	105	12.7	267	1.8	5 148	1.9	247	1.9	2 766	2.0
Raleigh	4	10.7	13	22.5	183	1.7	5 073	1.8	157	2.0	2 652	2.0
Randolph	9	8.3	59	7.9	269	1.3	11 112	1.3	211	1.5	4 720	1.7
Ritchie	4	15.5	9	17.9	229	1.5	8 505	2.2	206	1.6	3 712	3.9
Roane	7	9.4	117	22.1	341	1.3	8 668	1.7	317	1.4	4 839	1.8
Summers	7	9.1	52	5.0	262	1.4	7 998	1.5	219	1.6	3 760	2.0
Taylor	5	8.4	20	7.0	204	1.2	6 392	1.0	171	1.4	3 175	1.4
Tucker	1	36.5	(D)	(D)	133	1.2	3 663	2.7	110	1.6	1 688	2.6
Tyler	4	16.9	10	21.7	177	1.4	4 377	2.4	157	1.5	2 506	3.4
Upshur	5	14.0	(D)	(D)	287	1.3	7 398	1.7	239	1.4	3 717	1.9
Wayne	3	18.2	7	30.2	127	2.0	2 993	2.2	111	2.2	1 480	2.7
Webster	2	28.8	(D)	(D)	66	3.0	840	3.7	57	3.3	446	4.2
Wetzel	6	11.0	(D)	(D)	134	1.9	2 069	2.5	118	2.1	1 159	3.6
Wirt	3	14.3	(D)	(D)	159	1.5	4 871	2.8	133	1.8	2 682	3.7
Wood	7	9.1	79	16.5	364	1.2	7 635	1.6	328	1.3	3 958	1.9
Wyoming	2	21.7	(D)	(D)	45	3.0	815	2.9	40	3.5	393	3.5
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)
West Virginia ..	972	1.1	23 366	.5	841	1.4	26 760	1.0	1 188	1.2	57 091	1.2
Barbour	17	5.6	386	3.6	14	7.6	177	10.6	11	7.3	261	8.7
Berkeley	34	3.7	2 241	1.4	45	3.9	8 961	.5	23	6.3	625	7.8
Boone	—	—	—	—	—	—	(D)	(D)	—	—	—	—
Braxton	16	7.5	43	13.0	21	5.8	152	7.7	17	6.1	626	6.5
Brooke	8	8.8	284	5.9	1	35.5	(D)	(D)	5	15.7	311	27.0
Cabell	12	11.1	116	21.3	11	9.6	83	19.1	4	19.3	60	24.8
Calhoun	20	6.7	32	8.1	7	12.7	23	14.8	—	—	—	—
Clay	7	11.5	29	12.7	1	29.4	(D)	(D)	2	30.1	(D)	(D)
Doddridge	12	7.5	17	8.4	11	7.1	115	20.2	15	6.1	448	6.9
Fayette	8	9.6	115	1.2	13	8.0	120	8.9	11	9.3	246	10.3
Gilmer	17	6.6	20	7.1	7	9.1	84	13.9	12	7.1	365	6.4
Grant	15	5.3	242	.7	19	5.2	781	1.5	51	3.2	1 871	3.7
Greenbrier	60	3.6	1 497	1.8	26	6.2	578	7.8	63	3.7	3 099	4.4
Hampshire	19	6.7	95	2.4	45	4.3	1 189	4.5	38	4.6	1 899	3.3
Hancock	3	17.0	4	20.2	5	13.8	27	17.3	4	16.9	54	20.0
Hardy	32	4.5	625	1.8	47	3.2	2 078	3.4	66	3.7	3 639	4.5
Harrison	26	4.7	568	2.4	8	9.8	(D)	(D)	13	8.9	377	14.8
Jackson	26	5.4	215	4.3	31	5.4	379	8.2	27	5.0	957	20.4
Jefferson	45	2.1	4 539	.5	18	5.3	1 338	4.5	12	9.2	931	15.0
Kanawha	7	13.2	65	5.7	7	9.6	147	1.8	6	10.8	156	9.7
Lewis	22	5.2	192	3.2	15	6.7	64	9.0	26	5.0	867	5.0
Lincoln	5	15.4	25	24.2	7	12.1	56	14.3	4	13.5	50	16.2
Logan	2	18.6	(D)	(D)	2	30.8	(D)	(D)	—	—	—	—
McDowell	—	—	—	—	1	—	(D)	(D)	—	—	—	—
Marion	14	7.5	31	9.8	11	8.0	173	15.9	12	7.7	337	10.4
Marshall	39	4.2	963	3.0	18	7.9	166	9.7	33	4.8	1 063	5.8
Mason	47	3.2	2 824	.4	26	5.7	1 007	4.2	11	9.7	933	11.5
Mercer	9	9.3	18	16.1	28	6.9	425	12.5	22	7.3	542	8.3
Mineral	14	5.6	441	2.7	16	7.6	126	8.4	36	4.3	1 183	3.3
Mingo	—	—	—	—	4	17.2	226	22.3	—	—	—	—
Monongalia	8	7.7	228	3.3	15	6.9	208	2.6	32	5.2	1 427	4.1
Monroe	51	3.4	1 770	1.8	48	4.4	829	7.6	55	3.9	2 858	5.5
Morgan	3	6.4	(D)	(D)	10	8.9	170	11.1	2	18.0	(D)	(D)
Nicholas	10	8.7	(D)	(D)	12	8.0	281	15.8	9	8.6	357	8.7
Ohio	20	3.7	721	2.8	9	7.6	106	13.4	8	8.1	268	10.4
Pendleton	35	4.8	193	4.0	39	4.2	2 786	2.7	205	1.8	14 467	1.6
Pleasants	3	20.8	5	18.8	2	31.5	(D)	(D)	1	41.8	(D)	(D)
Pocahontas	22	5.9	168	9.2	16	7.8	268	9.5	97	2.6	6 457	2.8
Preston	79	2.5	1 951	1.7	51	3.9	1 176	12.0	49	3.5	2 231	5.3
Putnam	13	8.5	23	9.9	13	8.7	80	7.2	9	11.4	177	11.2
Raleigh	9	10.4	88	3.3	6	13.7	188	21.2	7	9.6	188	10.3
Randolph	24	4.9	530	1.1	14	7.5	284	2.8	70	2.7	4 747	3.0
Ritchie	13	7.3	22	8.6	11	8.1	116	2.7	9	8.8	264	11.2
Roane	19	6.2	28	7.7	13	8.2	92	15.8	21	6.6	393	8.1

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	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)
Summers	17	7.2	246	2.5	15	7.2	79	11.9	10	7.5	393	4.5
Taylor	10	9.4	221	7.1	15	7.2	103	8.5	5	13.8	120	15.4
Tucker	8	7.9	53	25.5	8	8.2	350	14.5	12	6.4	331	5.1
Tyler	15	5.9	271	5.8	10	8.4	72	13.2	8	9.2	207	9.6
Upshur	22	5.9	136	6.9	12	7.9	41	8.6	15	7.5	260	9.8
Wayne	9	9.7	134	4.4	10	9.3	229	19.0	4	13.6	(D)	(D)
Webster	7	13.0	12	17.9	7	13.9	18	14.5	7	12.8	107	18.7
Wetzel	8	9.7	66	8.0	13	7.8	134	5.2	15	7.7	325	7.2
Wirt	14	6.4	312	4.3	6	10.4	23	12.9	3	17.1	94	14.7
Wood	13	6.7	211	5.1	18	6.5	270	8.5	10	8.2	303	13.9
Wyoming	4	16.3	13	21.5	2	27.7	(D)	(D)	1	37.3	(D)	(D)
Geographic area	Livestock and poultry — Con.											
	Hens and pullets of laying age inventory					Broilers and other meat-type chickens sold						
	Farms		Total			Farms		Total				
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
West Virginia ..	1 246	1.4	1 119 500	1.8	136	.8	50 669 811	.1				
Barbour	23	5.9	528	7.5	—	—	—	—	—	—	—	
Berkeley	25	6.3	(D)	(D)	—	—	—	—	—	—	—	
Boone	8	10.0	179	11.3	—	—	—	—	—	—	—	
Braxton	27	5.4	605	6.5	1	36.4	(D)	(D)	—	—	(D)	
Brooke	6	13.9	128	14.3	—	—	—	—	—	—	—	
Cabell	24	6.8	459	11.3	—	—	—	—	—	—	—	
Calhoun	27	5.7	412	6.3	—	—	—	—	—	—	—	
Clay	7	11.4	243	16.3	—	—	—	—	—	—	—	
Doddridge	22	5.2	508	5.8	3	13.3	185	14.1	—	—	—	
Fayette	10	11.1	164	12.7	—	—	—	—	—	—	—	
Gilmer	24	5.5	417	6.9	—	—	—	—	—	—	—	
Grant	27	4.1	124 395	2.3	29	1.3	12 139 400	.2	—	—	—	
Greenbrier	42	4.9	972	6.4	2	14.9	(D)	(D)	—	—	(D)	
Hampshire	44	4.4	118 459	4.6	3	—	879 600	—	—	—	—	
Hancock	6	12.9	216	19.0	—	—	—	—	—	—	—	
Hardy	68	3.0	655 264	2.8	67	4	24 866 045	.1	—	—	—	
Harrison	32	5.0	1 032	6.9	1	31.8	(D)	(D)	—	—	(D)	
Jackson	37	4.8	503	6.4	—	—	—	—	—	—	—	
Jefferson	20	6.8	2 758	18.4	—	—	—	—	—	—	—	
Kanawha	11	11.2	132	12.3	—	—	—	—	—	—	—	
Lewis	22	5.6	391	7.1	1	—	(D)	(D)	—	—	(D)	
Lincoln	19	8.2	316	10.0	—	—	—	—	—	—	—	
Logan	3	22.7	65	21.5	—	—	—	—	—	—	—	
McDowell	—	—	—	—	—	—	—	—	—	—	—	
Marion	22	5.5	435	9.2	—	—	—	—	—	—	—	
Marshall	22	6.5	462	8.7	1	38.4	(D)	(D)	—	—	(D)	
Mason	27	6.3	341	7.1	1	29.5	(D)	(D)	—	—	(D)	
Mercer	32	5.9	525	7.2	—	—	—	—	—	—	—	
Mineral	37	4.4	43 633	9.1	1	—	(D)	(D)	—	—	(D)	
Mingo	—	—	—	—	—	—	—	—	—	—	—	
Monongalia	21	6.3	(D)	(D)	1	—	(D)	(D)	—	—	(D)	
Monroe	32	5.3	533	5.8	—	—	—	—	—	—	—	
Morgan	11	8.7	366	11.1	—	—	—	—	—	—	—	
Nicholas	25	5.6	2 045	17.6	—	—	—	—	—	—	—	
Ohio	7	8.5	294	16.6	—	—	—	—	—	—	—	
Pendleton	54	3.6	126 620	1.7	23	—	12 459 329	—	—	—	—	
Pleasants	5	18.8	143	22.1	2	29.2	(D)	(D)	—	—	(D)	
Pocahontas	35	4.7	1 045	4.3	—	—	—	—	—	—	—	
Preston	53	3.7	1 444	4.4	—	—	—	—	—	—	—	
Putnam	16	8.1	3 286	30.1	—	—	—	—	—	—	—	
Raleigh	18	7.6	269	8.7	—	—	—	—	—	—	—	
Randolph	28	5.2	792	7.1	—	—	—	—	—	—	—	
Ritchie	34	4.7	578	5.3	—	—	—	—	—	—	—	
Roane	32	5.2	510	6.6	—	—	—	—	—	—	—	
Summers	27	5.3	525	5.3	—	—	—	—	—	—	—	
Taylor	14	7.5	311	12.1	—	—	—	—	—	—	—	
Tucker	13	6.1	343	7.8	—	—	—	—	—	—	—	
Tyler	16	6.0	536	8.2	—	—	—	—	—	—	—	
Upshur	40	4.6	608	5.8	—	—	—	—	—	—	—	
Wayne	11	10.4	232	7.0	—	—	—	—	—	—	—	
Webster	15	8.7	482	14.8	—	—	—	—	—	—	—	
Wetzel	26	5.4	678	6.3	—	—	—	—	—	—	—	
Wirt	17	7.4	214	9.2	—	—	—	—	—	—	—	
Wood	14	7.7	219	10.1	—	—	—	—	—	—	—	
Wyoming	8	11.9	167	15.4	—	—	—	—	—	—	—	

See footnotes at end of table.

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

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

Geographic area	Selected crops harvested											
	Corn for grain or seed					Corn for silage or green chop						
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Relative standard error of estimate (percent)
West Virginia ..	1 517	1.1	44 564	.8	4 668 501	.7	1 027	1.0	27 674	.7	433 877	.6
Barbour	11	8.9	41	8.2	4 100	8.1	20	5.4	205	3.4	3 308	3.6
Berkeley	99	2.5	3 242	2.2	291 207	1.9	48	2.9	2 157	2.3	32 376	2.2
Boone	3	19.9	3	19.9	280	22.6	-	-	-	-	-	-
Braxton	15	6.7	76	5.6	8 590	5.2	3	10.3	42	7.3	510	6.6
Brooke	21	5.5	292	5.6	26 402	5.0	4	5.4	98	4.9	1 580	4.1
Cabell	35	5.4	548	6.0	55 935	5.4	2	27.5	(D)	(D)	(D)	(D)
Calhoun	7	9.9	129	14.5	3 940	10.3	1	37.0	(D)	(D)	(D)	(D)
Clay	1	31.1	(D)	(D)	(D)	(D)	1	44.5	(D)	(D)	(D)	(D)
Doddridge	2	18.4	(D)	(D)	(D)	(D)	1	18.9	(D)	(D)	(D)	(D)
Fayette	22	6.4	112	4.0	9 746	3.1	10	8.6	105	15.1	1 488	16.5
Gilmer	11	8.0	103	8.9	9 175	8.0	1	41.6	(D)	(D)	(D)	(D)
Grant	17	4.2	178	3.3	17 832	3.0	28	3.7	606	2.1	9 136	2.3
Greenbrier	43	4.1	506	5.4	54 296	5.2	93	2.6	2 428	1.6	36 614	1.6
Hampshire	67	3.4	1 429	4.1	155 770	4.1	34	4.2	575	4.4	8 336	4.4
Hancock	21	5.6	197	6.7	15 462	7.6	2	-	(D)	(D)	(D)	(D)
Hardy	93	2.0	5 108	.9	597 973	.8	81	1.9	2 923	1.7	46 592	1.8
Harrison	9	9.4	84	3.8	9 162	2.9	17	5.5	262	3.1	4 935	3.8
Jackson	51	3.8	593	7.0	59 033	7.7	13	6.9	170	6.7	2 792	6.0
Jefferson	97	1.9	10 140	1.9	1 118 813	1.4	63	1.8	4 104	.9	71 317	.7
Kanawha	7	10.6	26	11.7	1 793	14.0	5	9.6	51	6.7	(D)	(D)
Lewis	8	9.1	239	2.1	24 000	2.1	14	6.5	180	3.8	3 087	3.8
Lincoln	20	6.6	82	6.1	5 632	5.0	3	15.4	11	21.0	70	16.5
Logan	2	23.7	(D)	(D)	(D)	(D)	1	-	(D)	(D)	(D)	(D)
McDowell	1	43.3	(D)	(D)	(D)	(D)	-	-	-	-	-	-
Marion	7	6.1	80	3.0	9 435	1.5	-	-	-	-	-	-
Marshall	17	7.3	193	14.0	16 925	15.8	25	4.4	667	2.5	7 851	3.3
Mason	110	2.4	4 976	1.4	583 689	1.3	48	2.8	2 107	1.4	34 410	1.5
Mercer	18	7.9	86	8.7	6 576	9.2	13	7.2	130	4.3	1 688	3.6
Mineral	41	3.8	808	4.8	88 353	5.2	26	4.3	615	3.0	9 125	2.2
Mingo	-	-	-	-	-	-	-	-	-	-	-	-
Monongalia	20	6.1	145	8.0	11 530	11.3	9	9.6	168	8.8	3 214	9.2
Monroe	87	3.0	5 731	.5	508 057	.6	113	2.4	3 080	2.5	42 317	2.8
Morgan	44	3.3	575	3.7	42 593	4.4	12	7.0	155	6.9	1 905	6.9
Nicholas	13	7.8	45	9.7	3 465	11.0	14	7.2	227	3.0	3 174	2.3
Ohio	33	3.5	549	3.9	41 423	3.6	13	5.0	296	2.5	3 757	2.0
Pendleton	35	3.1	1 165	2.3	137 624	2.2	57	2.6	1 093	1.4	18 749	1.3
Pleasants	12	10.5	436	15.1	61 850	16.0	4	16.4	52	9.2	895	13.3
Pocahontas	27	4.4	750	6.7	79 614	6.5	54	3.3	733	2.5	13 172	2.5
Preston	119	2.3	2 030	6.2	204 431	6.1	87	2.4	2 167	1.6	36 249	1.5
Putnam	42	3.9	506	3.5	50 972	3.5	4	10.5	19	11.4	285	11.4
Raleigh	8	10.2	85	6.6	9 029	6.4	10	10.0	120	6.4	1 226	5.8
Randolph	29	3.9	1 011	.6	121 275	.5	14	5.2	572	1.2	10 949	1.2
Ritchie	6	11.4	23	13.8	1 647	14.7	9	7.2	207	7.3	2 811	8.0
Roane	14	7.4	143	10.8	3 482	10.5	2	23.6	(D)	(D)	(D)	(D)
Summers	20	6.0	253	4.9	30 176	6.1	10	7.8	353	8.2	5 145	5.4
Taylor	2	13.7	(D)	(D)	(D)	(D)	5	12.8	218	8.9	4 495	8.8
Tucker	15	5.4	221	8.3	23 400	7.1	9	6.7	59	9.1	726	10.3
Tyler	25	4.8	300	3.8	33 289	3.2	5	13.2	28	15.3	373	10.6
Upshur	9	9.1	13	9.3	610	14.9	11	6.8	162	5.3	1 718	4.3
Wayne	23	5.1	277	3.2	25 087	3.8	2	-	(D)	(D)	(D)	(D)
Webster	3	23.8	8	24.3	192	24.5	2	21.7	(D)	(D)	(D)	(D)
Wetzel	15	6.8	100	7.9	6 115	7.7	3	10.5	18	10.6	165	11.5
Wirt	7	10.3	67	12.9	6 550	12.4	4	5.0	78	3.1	1 422	4.3
Wood	48	3.7	828	3.4	89 401	3.2	17	5.7	226	5.2	3 081	5.1
Wyoming	5	15.1	17	15.3	1 400	16.2	-	-	-	-	-	-

Selected crops harvested —Con.

Geographic area	Selected crops harvested —Con.											
	Wheat 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)
West Virginia ..	307	1.5	9 058	.9	438 877	.8	406	1.5	3 677	1.4	201 339	1.4
Barbour	2	12.5	(D)	(D)	(D)	(D)	-	-	-	-	-	-
Berkeley	44	3.8	841	4.1	41 054	4.1	36	4.5	372	3.2	19 990	3.3
Boone	-	-	-	-	-	-	-	-	-	-	-	-
Braxton	-	-	-	-	-	-	-	-	-	-	-	-
Brooke	2	20.8	(D)	(D)	(D)	(D)	5	16.1	73	9.5	4 160	6.7
Cabell	-	-	-	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-	-	-	-
Clay	-	-	-	-	-	-	-	-	-	-	-	-
Doddridge	-	-	-	-	-	-	2	18.4	(D)	(D)	(D)	(D)
Fayette	-	-	-	-	-	-	3	18.3	14	30.1	1 140	34.4
Gilmer	-	-	-	-	-	-	-	-	-	-	-	-
Grant	4	6.7	23	4.6	1 250	4.3	9	7.2	57	8.9	3 705	11.6
Greenbrier	1	29.8	(D)	(D)	(D)	(D)	24	5.6	155	5.7	7 070	5.9
Hampshire	31	4.9	357	4.5	13 726	4.4	27	4.9	220	4.5	12 036	4.5

See footnotes at end of table.

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

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

Geographic area	Selected crops harvested — Con.											
	Wheat 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)
Hancock	6	11.2	39	12.7	1 300	12.1	14	7.0	99	8.7	5 947	10.8
Hardy	17	4.4	454	3.6	19 950	3.1	13	5.1	105	4.7	5 688	4.2
Harrison	1	24.1	(D)	(D)	(D)	(D)	—	—	—	—	—	—
Jackson	5	11.4	63	12.1	1 508	14.4	4	15.3	54	17.1	2 172	17.6
Jefferson	62	2.1	3 853	.9	220 184	.9	14	5.5	275	2.5	15 886	2.9
Kanawha	2	17.0	(D)	(D)	(D)	(D)	—	—	—	—	—	—
Lewis	1	—	(D)	(D)	(D)	(D)	2	15.3	(D)	(D)	(D)	(D)
Lincoln	—	—	—	—	—	—	1	33.9	(D)	(D)	(D)	(D)
Logan	—	—	—	—	—	—	—	—	—	—	—	—
McDowell	—	—	—	—	—	—	—	—	—	—	—	—
Marion	1	—	(D)	(D)	(D)	(D)	—	—	—	—	—	—
Marshall	1	31.8	(D)	(D)	(D)	(D)	—	—	—	—	—	—
Mason	27	4.9	572	4.5	22 276	5.2	9	8.9	117	10.1	6 135	9.5
Mercer	—	—	—	—	—	—	5	13.4	21	13.3	1 352	14.2
Mineral	7	11.0	86	14.3	3 035	12.2	19	5.5	179	7.3	8 257	9.2
Mingo	—	—	—	—	—	—	—	—	—	—	—	—
Monongalia	1	30.8	(D)	(D)	(D)	(D)	7	11.2	80	20.6	4 333	22.3
Monroe	26	5.3	(D)	(D)	(D)	(D)	44	4.4	368	4.5	17 248	4.3
Morgan	25	4.5	381	6.8	13 998	7.5	14	7.0	111	8.1	6 715	8.9
Nicholas	1	38.7	(D)	(D)	(D)	(D)	1	38.7	(D)	(D)	(D)	(D)
Ohio	6	8.7	55	9.7	2 412	8.4	16	5.2	174	5.2	9 102	4.7
Pendleton	3	14.1	11	17.4	410	19.6	1	29.9	(D)	(D)	(D)	(D)
Pleasants	3	21.8	54	22.0	2 910	22.3	—	—	—	—	—	—
Pocahontas	2	—	(D)	(D)	(D)	(D)	18	5.4	129	4.6	8 000	4.3
Preston	8	9.4	93	3.6	5 170	3.3	80	2.7	737	2.4	46 494	2.5
Putnam	3	13.0	(D)	(D)	(D)	(D)	—	—	—	—	—	—
Raleigh	—	—	—	—	—	—	5	6.5	33	3.8	2 610	2.4
Randolph	—	—	—	—	—	—	15	4.9	160	1.9	6 606	2.7
Ritchie	—	—	—	—	—	—	—	—	—	—	—	—
Roane	—	—	—	—	—	—	—	—	—	—	—	—
Summers	2	19.7	(D)	(D)	(D)	(D)	8	10.2	40	11.7	2 135	12.8
Taylor	—	—	—	—	—	—	—	—	—	—	—	—
Tucker	—	—	—	—	—	—	6	10.6	61	12.9	2 730	13.3
Tyler	1	17.1	(D)	(D)	(D)	(D)	—	—	—	—	—	—
Upshur	—	—	—	—	—	—	—	—	—	—	—	—
Wayne	1	—	(D)	(D)	(D)	(D)	—	—	—	—	—	—
Webster	—	—	—	—	—	—	—	—	—	—	—	—
Wetzel	—	—	—	—	—	—	2	17.3	(D)	(D)	(D)	(D)
Wirt	1	47.1	(D)	(D)	(D)	(D)	1	47.1	(D)	(D)	(D)	(D)
Wood	10	6.3	138	4.0	6 374	4.0	1	—	(D)	(D)	(D)	(D)
Wyoming	—	—	—	—	—	—	—	—	—	—	—	—

Geographic area	Selected crops harvested — Con.											
	Tobacco					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)	Pounds	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)
West Virginia	1 003	1.6	2 072	1.6	3 101 002	1.7	13 270	1.1	452 480	.9	753 877	.8
Barbour	—	—	—	—	—	—	380	1.0	13 532	1.2	19 934	1.5
Berkeley	—	—	—	—	—	—	308	1.4	14 584	1.6	28 772	1.6
Boone	7	12.7	8	20.1	9 127	19.9	14	7.9	101	8.9	157	10.2
Braxton	—	—	—	—	—	—	255	1.1	8 783	2.1	14 037	2.6
Brooke	—	—	—	—	—	—	63	2.2	3 084	2.5	4 671	3.7
Cabell	169	2.5	330	4.4	512 229	5.6	180	2.4	3 074	3.3	4 755	3.3
Calhoun	—	—	—	—	—	—	141	1.8	3 629	2.2	5 401	2.5
Clay	—	—	—	—	—	—	68	2.2	1 490	3.8	2 774	5.8
Doddridge	—	—	—	—	—	—	221	1.0	6 430	2.3	8 839	3.7
Fayette	—	—	—	—	—	—	152	2.0	4 144	2.5	5 267	2.8
Gilmer	—	—	—	—	—	—	174	1.4	6 032	2.4	8 215	2.2
Grant	—	—	—	—	—	—	284	1.1	12 140	1.4	20 091	2.0
Greenbrier	3	21.3	3	23.3	3 695	22.4	540	1.3	21 217	1.2	40 827	1.3
Hampshire	—	—	—	—	—	—	424	1.3	18 911	1.5	31 860	2.0
Hancock	—	—	—	—	—	—	53	2.5	1 977	5.4	3 343	6.0
Hardy	—	—	—	—	—	—	332	1.3	12 043	1.2	25 249	1.2
Harrison	—	—	—	—	—	—	448	1.2	14 308	1.7	20 320	2.3
Jackson	75	3.0	131	3.0	199 732	3.0	513	1.2	16 269	2.3	24 418	2.7
Jefferson	—	—	—	—	—	—	219	1.3	13 606	1.1	32 428	1.1
Kanawha	5	12.9	18	14.5	21 253	15.9	98	2.5	1 571	2.9	2 074	3.3
Lewis	—	—	—	—	—	—	291	1.0	11 591	1.5	20 226	2.1
Lincoln	186	2.1	488	2.2	654 881	2.2	106	2.9	1 820	3.9	2 745	4.2
Logan	4	17.0	7	15.4	11 381	15.7	12	5.5	76	7.1	105	7.2
McDowell	—	—	—	—	—	—	4	10.8	80	5.4	58	9.0
Marion	—	—	—	—	—	—	271	1.1	7 650	1.7	10 057	2.1
Marshall	—	—	—	—	—	—	357	1.2	12 023	1.5	17 977	1.9
Mason	266	2.0	505	2.3	825 926	2.4	477	1.4	15 114	1.6	29 294	1.5
Mercer	8	13.5	3	15.0	4 408	19.1	367	2.6	7 584	2.8	12 305	2.6
Mineral	—	—	—	—	—	—	252	1.2	10 946	1.7	17 758	2.0

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	Selected crops harvested – Con.											
	Tobacco					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)	Pounds	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)
Mingo	–	–	–	–	–	–	4	11.8	12	11.8	8	11.8
Monongalia	1	30.8	(D)	(D)	(D)	(D)	351	1.3	11 094	1.9	17 329	2.1
Monroe	33	5.2	72	7.8	133 684	8.7	486	1.3	17 547	1.5	32 410	1.6
Morgan	–	–	–	–	–	–	99	1.6	3 643	3.9	5 547	4.0
Nicholas	–	–	–	–	–	–	235	1.4	6 067	1.9	9 138	2.2
Ohio	–	–	–	–	–	–	116	1.1	6 350	2.0	9 666	1.9
Pendleton	–	–	–	–	–	–	418	1.1	14 094	1.2	28 192	1.2
Pleasants	–	–	–	–	–	–	75	3.3	2 310	4.5	3 741	3.9
Pocahontas	2	14.1	(D)	(D)	(D)	(D)	288	1.4	11 750	1.4	22 287	1.4
Preston	–	–	–	–	–	–	697	1.0	28 503	1.2	50 804	1.0
Putnam	181	2.3	384	2.7	528 145	2.3	272	1.8	5 896	3.3	8 812	2.8
Raleigh	3	12.0	(D)	(D)	(D)	(D)	201	1.6	5 161	1.8	8 912	2.1
Randolph	–	–	–	–	–	–	296	1.1	13 961	1.6	20 343	1.9
Ritchie	1	27.8	(D)	(D)	(D)	(D)	253	1.4	9 874	1.7	13 290	1.9
Roane	14	6.3	34	7.4	48 939	5.6	372	1.2	12 298	2.2	17 633	2.9
Summers	1	39.3	(D)	(D)	(D)	(D)	261	1.4	6 229	2.0	11 055	2.3
Taylor	–	–	–	–	–	–	210	1.1	7 592	1.3	13 150	1.3
Tucker	–	–	–	–	–	–	145	1.1	5 047	1.8	7 044	2.0
Tyler	1	40.0	(D)	(D)	(D)	(D)	202	1.2	6 438	1.5	9 947	2.2
Upshur	–	–	–	–	–	–	340	1.1	10 938	1.6	15 014	2.4
Wayne	21	5.6	49	5.4	91 118	4.9	114	2.2	2 216	2.8	3 601	2.6
Webster	–	–	–	–	–	–	67	3.0	1 275	4.7	2 523	6.9
Wetzel	–	–	–	–	–	–	161	1.6	3 967	2.2	4 388	3.3
Wirt	14	7.6	21	11.8	30 718	12.0	180	1.3	5 872	1.9	10 010	2.8
Wood	8	9.5	7	11.3	10 820	12.3	386	1.1	9 853	1.7	14 410	1.8
Wyoming	–	–	–	–	–	–	37	3.8	684	6.3	666	9.6

Geographic area	Selected crops harvested – Con.			
	Land in orchards			
	Farms		Acres	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
West Virginia	558	1.7	15 014	.8
Barbour	5	10.9	12	10.4
Berkeley	101	2.4	8 132	.9
Boone	5	12.4	8	18.3
Braxton	15	7.4	44	10.5
Brooke	5	13.4	15	13.7
Cabell	13	9.2	45	18.6
Calhoun	6	14.9	15	17.8
Clay	1	35.0	(D)	(D)
Doddridge	7	8.3	32	15.8
Fayette	4	17.9	6	16.9
Gilmer	7	9.4	11	16.8
Grant	7	10.1	(D)	(D)
Greenbrier	13	9.6	26	12.0
Hampshire	53	3.6	2 336	3.1
Hancock	6	11.6	(D)	(D)
Hardy	8	12.8	14	20.8
Harrison	5	12.9	9	15.1
Jackson	11	9.3	18	11.1
Jefferson	22	5.3	2 497	1.2
Kanawha	2	30.7	(D)	(D)
Lewis	2	20.5	(D)	(D)
Lincoln	11	10.2	19	12.7
Logan	1	–	(D)	(D)
McDowell	5	10.1	175	22.5
Marion	8	8.8	16	10.6
Marshall	6	13.5	37	19.3
Mason	7	12.4	8	12.3
Mercer	17	9.4	33	9.3
Mineral	5	14.8	17	16.7
Mingo	–	–	–	–
Monongalia	10	8.1	23	7.2
Monroe	4	12.4	(D)	(D)
Morgan	15	6.3	509	2.6
Nicholas	19	6.9	82	10.9
Ohio	2	16.4	(D)	(D)
Pendleton	10	9.2	17	10.1
Pleasants	10	10.7	15	11.8
Pocahontas	7	12.0	27	15.2
Preston	14	8.3	37	9.6
Putnam	11	9.0	73	3.4
Raleigh	8	12.3	12	14.7
Randolph	8	10.3	32	22.2
Ritchie	5	15.3	11	18.9
Roane	10	8.7	33	12.1

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	Selected crops harvested — Con.			
	Land in orchards			
	Farms		Acres	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Summers	8	9.8	21	17.1
Taylor	3	15.7	(D)	(D)
Tucker	6	11.9	8	13.6
Tyler	3	19.5	13	18.7
Upshur	21	6.1	52	7.5
Wayne	5	15.9	7	16.2
Webster	9	10.9	17	13.8
Wetzel	4	14.8	33	16.0
Wirt	1	30.5	(D)	(D)
Wood	3	17.0	4	22.5
Wyoming	4	14.3	4	10.8

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--	17 020	1.1	2 402	21.0	12.4	2.4
Land in farms ----- acres --	3 267 188	.8	196 674	27.8	5.7	1.5
Average size of farm ----- acres --	192.0	.5	81.9	20.3	(X)	(X)
Farms by size:						
Less than 10 acres -----	737	1.9	229	45.7	23.7	8.2
10 to 49 acres -----	2 893	1.6	1 147	30.4	28.4	6.3
Less than 50 acres -----	3 630	1.6	1 376	26.6	27.5	5.4
50 acres or more -----	13 390	1.0	1 026	23.7	7.1	1.6
50 to 99 acres -----	3 727	1.4	469	32.8	11.2	3.3
100 to 179 acres -----	4 060	1.2	264	42.0	6.1	2.4
180 acres or more -----	5 603	.9	294	42.5	5.0	2.0
Harvested cropland ----- farms --	14 531	1.1	1 241	22.7	7.9	1.8
----- acres--	555 818	.8	19 920	24.4	3.5	.8
Farms by value of sales:						
Less than \$1,000 -----	3 249	1.6	1 175	25.7	26.6	5.0
\$1,000 to \$2,499 -----	3 678	1.4	748	26.6	16.9	3.7
Less than \$2,500 -----	6 927	1.4	1 923	22.6	21.7	3.8
\$2,500 or more -----	10 093	1.0	479	30.5	4.5	1.3
\$2,500 to \$9,999 -----	6 347	1.2	399	32.2	5.9	1.8
\$10,000 or more -----	3 746	.9	81	90.4	2.1	1.9
Market value of agricultural products sold -----\$1,000 --	364 203	.3	4 257	26.3	1.2	.3
Farms by standard industrial classification:						
Crops (01) -----	4 718	1.3	481	29.3	9.2	2.5
Livestock (02) -----	12 302	1.0	1 752	26.4	12.5	3.0
Farms by type of organization:						
Individual or family -----	15 737	1.1	2 218	20.8	12.4	2.4
Partnership or corporation -----	1 203	1.2	144	69.9	10.7	6.7
Other -----	80	3.3	--	(X)	--	(X)
Farms by tenure of operator:						
Full owners -----	12 428	1.2	1 951	21.3	13.6	2.6
Part owners and tenants -----	4 592	1.0	451	32.8	8.9	2.8
Part owners -----	3 866	1.0	377	36.3	8.9	3.1
Tenants -----	726	1.6	75	65.6	9.3	5.5
Operators by place of residence:						
On farm operated -----	13 053	1.1	1 548	25.2	10.6	2.6
Not on farm operated -----	2 629	1.3	318	47.7	10.8	4.3
Not reported -----	1 338	1.4	536	31.5	28.6	6.4
Operators by principal occupation:						
Farming -----	7 169	1.0	678	34.0	8.6	2.6
Other -----	9 851	1.2	1 514	28.1	13.3	3.4
Operators by sex:						
Male -----	15 541	1.1	1 981	23.4	11.3	2.4
Female -----	1 479	1.4	421	42.0	22.2	7.3
Operators by race:						
White -----	16 976	1.1	2 192	21.9	11.4	2.3
Black and other races -----	44	4.8	--	(X)	--	(X)
Operators by years on present farm:						
4 years or less -----	1 575	1.6	384	37.9	19.6	5.9
5 years or more -----	11 818	1.1	949	31.0	7.4	2.2
Average years on present farm -----	21.2	1.5	14.2	35.6	(X)	(X)
Not reported -----	3 627	1.2	1 070	25.4	22.8	4.5
Average age of operator -----	56.4	.1	52.2	21.2	(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.