Appendix C.
Statistical Methodology

THE SCREENING PHASE AND THE MAIL LIST MODEL

The 1997 Census of Agriculture featured a pre-census screening phase that surveyed selected records, by mail or telephone, for presence or absence of agricultural activity. Records selected for screening had a low probability of qualifying as farms. All records responding to the screener and reporting no agricultural activity were removed from the census mail list. Eliminating nonfarm records from the mail list reduced respondent burden and data collection costs.

The screening phase included nearly 500,000 records. Records were selected for screening using one of the following criteria:

1) Records on selected agriculture specialty lists that had no other list source,

2) Records identified by a mail list model as having a low probability of being a farm.

A mail list model predicted the probability that an addressee on the 1997 preliminary census mail list operated a farm. The model defined groups based on combinations of characteristics such as source(s) of the mail list record, expected value of agricultural production, and geographic location. Farm proportions were estimated for these groups by calculating the proportion of 1992 census respondent records that were farms which exhibited the characteristics defined by the group. This proportion, also called the in-scope rate, provided an estimate of the probability that an addressee in the group operated a farm.

Each address record on the 1997 preliminary census 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. Records with a farm probability of approximately 30 percent or less were selected for screening, along with records included on selected agriculture specialty lists as noted above.

Before screening, the preliminary census mail list consisted of 3,314,790 records. There were 478,298 records selected for screening. Of these, 125,570 records were determined to be nonfarms as a result of the screening phase and were removed. These records were removed from the final census mail list. The remaining 3,189,220 records received census report forms.

CENSUS SAMPLE DESIGN

All name and address records on the final census mail list were designated to receive a 1997 Census of Agriculture report form. Two different types of census report forms, sample and nonsample, were used to collect data. Sections 1 through 20 and 28 through 32 of the sample form were identical to sections on the nonsample census form. Sample form sections 21 through 27 contained additional questions on usage of fertilizers and chemicals, farm production expenditures, value of machinery and equipment, value of land and buildings, farm-related income, and hired workers. There were 11 regional versions of the nonsample form and 13 regional versions of the sample form with listings of crops varying by region. These 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. Mail list records were selected into the sample with certainty if they (1) were expected to have large total value of agricultural products sold or large acreage, (2) were multi-unit operations (i.e., separate farms producing under one company organization), (3) were in a county with less than 100 farms in 1992, or (4) had other special characteristics. Farms with special characteristics were abnormal farms, such as institutional farms, experimental and research farms, and Indian reservations. Mail list records in counties containing 100 to 199 farms in 1992 were systematically sampled at a rate of 1 in 2; records in counties containing 200 to 299 farms in 1992 were systematically sampled at a rate of 1 in 4; and records in counties containing 300 or more farms in 1992 were systematically sampled at a rate of 1 in 6. The remaining mail list records not chosen to receive the sample form received the nonsample census form. This differential sampling scheme was used to provide reliable data for the sample sections of the report form for all counties.

EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

The census of agriculture complex edit and imputation system is an automated computerized system that performed the following functions:

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

- Ensured necessary consistencies were present (there were more than 70 distinct consistency requirements).

- Ensured climatic, geographic, legal, and physical constraints were met.

The system performed these and similar functions for more than 900 data key codes for sample records and approximately 850 data key codes for nonsample records.

For the 1997 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 for that record 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 fixed 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 was 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 Classifications 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 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 the same 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. An edit run usually consisted of 10,000 or more records.

After the initial computer edit, all keyed reports not meeting the census farm definition were reviewed to ensure that the data had been keyed correctly. Edit referrals were generated for 17 percent of the reports included as farms; they were reviewed for keying accuracy and 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 re-edited.

CENSUS ESTIMATION

The 1997 Census of Agriculture used two types of statistical estimation procedures to account for whole farm nonresponse and sample data collection. The procedures were necessary because some farm operators did not respond to the census despite numerous attempts to contact them, and estimates for certain data items were based on a sample of farm operators rather than a full enumeration.

Whole Farm Nonresponse Estimation

Whole farm nonresponse to the census occurred when a response was never received for a record. If the record was a large farm, as defined by value of production or acreage, or a unique farm operation, intensive telephone or personal followup was conducted during census processing to obtain a response. If these attempts failed, either the NASS survey database, the census historic database, or other more current sources were used to impute data for the record.

During mail list development, the State Statistical Offices (SSOs), in an effort to reduce respondent burden, identified records that participated in multiple NASS surveys and/or situations where there were special reporting relationships between an enumerator and a respondent. These records were referred to as tagged records. The SSOs had full responsibility for the data collection for these records, including imputation of data for the record if a response was not obtainable.

Whole farm nonresponse that occurred within the remaining universe of records was accounted for by a statistical weighting procedure. The weights of the responding farms were adjusted to account for farms that did not respond. The information needed for this process was obtained from the 1997 Nonresponse Survey. The SSOs conducted the nonresponse survey using computer-assisted telephone interviewing (Blaise-CATI) or personal enumeration when telephone contact was not possible. Alaska and Rhode

Island were not eligible for the survey because all nonre-spondents were subject to extensive followup. In these cases, data were collected by telephone or other methods. The nonresponse survey collected information from a sample of census nonrespondents to determine farm status and estimate the proportion of farms in the nonresponse universe. The information was then used to estimate the number of nonresponding farm operations by State and county.

The 1997 Nonresponse Survey consisted of a stratified systematic sample of the nonresponse records within each State. The sample was selected near the end of the census follow-up operations. Five strata were defined to be homogeneous on probability of farm status and were based on screener status, total value produced, and list source(s) of the mail list record.

Based on survey results, estimates of the proportion of census nonrespondents operating farms were made for each stratum in the State. The estimates were applied to the total number of census nonrespondents in that stratum, providing a State estimate of the number of census nonrespondents that operated farms. The number of census nonrespondents that operated farms was then derived for each county by stratum. This estimation procedure assumed that the distribution of farms in a stratum by county was the same for census nonrespondents as for census respondents.

Within each stratum in a county, a noninteger nonresponse weight was calculated and assigned to each eligible respondent farm record. Census respondent farms that were designated as large farms or tagged records or as farms that exhibited "rare" commodities were ineligible to represent nonrespondent farms and were excluded from the nonresponse weighting procedure. These records were assigned nonresponse weights of 1.0.

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, divided by the number of eligible census respondent farms. Stratum controls were established to ensure that this weight never exceeded 2.0. For the published tabulations of the complete count items, the noninteger nonresponse weight was randomly rounded to an integer weight of either 1 or 2 for each record. For the sample count items, the noninteger nonresponse weight was used in the calculation of the final sample weight.

Table A quantifies the effect of the nonresponse estimation procedure on selected census data items. The percentages in this table are 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 this table do not reflect the effect of item nonresponse to individual census data items. The effect of this item nonresponse is discussed in the "Census Nonsampling Error" section.

Sample Estimation

Sample data estimation determined the population totals that would have resulted from a complete census for the items in sections 21 through 27 of the sample form. The estimates were obtained from a weighting procedure that assigned 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.

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 were multiplied by 6.

The noninteger sample weight is calculated for each respondent sample farm by multiplying the noninteger nonrespondent weight by the sampling factor. For published tabulations of the sample count items, the noninteger sample weight was randomly rounded to an integer weight for each record. For certainty farms, the sampling factor equals 1 so the sample weight is just equal to the nonresponse weight. Sampling factor calculation for non-certainty farms is described below.

Within a county, the weighting procedure for non-certainty farms was performed in three steps using three variables. The first variable contained eight 1997 total value of agricultural production (TVP) groups. The second and third variables, Standard Industrial Classification (SIC) code and farm acreage, contained two groups. The three sets of groups were:

TVP	SIC	Acres
$1 to $999	01, 08 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 classified the sample records into 32 mutually exclusive initial strata formed by the three variable groups. The total and sample farm counts were expanded to account for nonresponse. Each cell containing sample farm records was assigned an initial sample factor equal to the ratio of the total farm count to the sample farm count. This factor was approximately equal to the inverse of the probability of selecting a farm for the census sample.

The second step in the estimation procedure combined, when necessary, the 32 initial strata to increase the reliability of the weighting procedure. Any stratum that contained less than 10 sample farms or had a factor greater than twice the mail sample rate was collapsed with another stratum. The mail sample rate was either 2, 4, or 6,

depending on whether the county had a 1 in 2, 1 in 4, or 1 in 6 sample selection rate. The collapsing occurred within the 32 initial 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 final strata and used to calculate final sample factors.

The final step calculated the noninteger sample weight as the product of the final sampling factor and the noninteger nonresponse weight. As described previously, the noninteger sample weight for each record is randomly rounded to an integer weight which is used in published tabulations. For example, if the final weight for a farm was 7.2, then the record would be rounded to either 7 or 8.

CENSUS SAMPLING ERROR

The sample for the 1997 Census of Agriculture was only one of a large number of possible samples of the same size that could have been selected using the same sample design. In this context, "sample" refers to the sample for both the nonresponse survey and the selection of farms to receive sample forms.

The standard error, or sampling error, of a survey estimate is a measure of the variation among the estimates from all possible samples. It is a measure of precision - that is, how well an estimate from a particular sample approximates the true population parameter. The percent relative standard error of an estimate is defined as the standard error of the estimate divided by the value of the estimate, then multiplied by 100. The true population parameter can be defined or conceptualized several different ways. One way is to think of the true population parameter as the average result of all possible samples (selected using a given sample design). A second way is to think of the true population parameter as the figure obtained from carrying out a complete enumeration of the population.

If all possible samples were selected, each of the samples surveyed under essentially the same conditions, and an estimate and its standard error 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 true population parameter.

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 true population parameter.

The following example illustrates the computations necessary to produce a confidence statement 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 0.1 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 true population parameter. 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. All farm operators were asked the complete count items. 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.

Only a sample of farm operators were asked the sample count items. These items appeared only in sections 21 through 27 of the sample 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, farm-related income, and hired workers.

Variability in the estimates of complete count items was due only to the nonresponse survey estimation procedure. With regard to the estimates of sample count items, variability was due to both the nonresponse survey estimation procedure and the census sample selection and estimation procedure. Therefore, variability in the sample count item estimates tends to be larger than the variability in the complete count item estimates. Percent relative standard error is a common measure of variability.

Table B provides the generalized reliability estimates of the estimated number of farms in a county that reported complete count and sample count items. The top half of the table shows the percent relative standard errors for estimated number of farms in a county that reported a complete count item, and the bottom half relates to sample count items. These reliability estimates are derived from regression equations. Separate regression equations were used to produce each section of table B. 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 the appropriate counties in the State. 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 1992 Census of Agriculture, variability in sample count

item estimates came only from nonresponse survey estimation procedures. The estimated relative standard error for a sample count item in these counties may be obtained using the first part of table B.

Use caution when referring to the "Sample Count Item" section of table B to make inferences on counties. Some counties may have been sampled at the rate of 1 in 2 or 1 in 4, but the reliability estimates shown were computed using only data from counties sampled at the rate of 1 in 6. Therefore, the reliability estimates shown would likely be overstated (or conservative) if the county was actually sampled at a higher rate.

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 standard error for percent change in State totals from 1992 to 1997. 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 1997 and the 1992 estimate for that characteristic to the 1992 estimate. This ratio is multiplied by 100 to obtain the percent change. The standard error of a percent change estimate 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 the (1) total number of farms, (2) number of large farms included with certainty, (3) size classifications of the farms sampled, (4) amount of nonresponse, (5) general agricultural characteristics, and (6) specific characteristic being measured.

The farm counts and related estimates displayed in tables A through F relate to unadjusted census totals. These totals are the same as the "Census total" displayed in the first column of table G (which will be discussed later in this appendix).

For most of the tables in this appendix, and also many of the tables throughout the publication, there is a footnote that reads "Data are based on a sample of farms." The table entries that this footnote relate to are estimates of totals. To illustrate, suppose that the entry "other farm-related income" is shown with this footnote and has some number of farms given. This number given would represent an estimated total number of farms with "other farm-related income," based on the farms that were in the sample. This number should not be interpreted as the number of farms in the sample that have "other farm-related income."

CENSUS NONSAMPLING ERROR

The accuracy of the census counts is 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. Nonsampling errors arise from many sources, including respondent or enumerator error or incorrect data keying, editing, or imputing for missing data. These nonsampling errors are further discussed in this section. Nonsampling error due to mail list incompleteness and duplication as well as misclassification of records on the mail list is called coverage error. The section titled "Coverage Evaluation" discusses the evaluation studies conducted to measure the extent of this error in the census.

Respondent and Enumerator Error

Incorrect or incomplete responses to the census report form or to the questions posed by an enumerator can introduce error into the census data. To reduce reporting error, detailed instructions for completing the report form were provided to each respondent. Questions were phrased as clearly as possible based on previous tests of the report form. In addition, each respondent's answers were checked for completeness and consistency by the complex edit and imputation system.

Item Nonresponse

As information flowed from data collection to tabulation, various types of item nonresponses were identified on the census report forms. Nonresponse to particular questions on the census report form that logically should have been present created a type of nonsampling error in both complete count and sample count data. In this case, information from a similar farm was used to impute for these missing data items. The resulting data may have been biased if the characteristics of the nonreporting respondents were different from those of reporting respondents for those items.

Processing Error

All phases of processing for each census report form were potential sources for the introduction of nonsampling error. An automated check-in recorded that the report had been returned and excluded from further followup mailings. Approximately one-third of the mail returns were reviewed to resolve questions dealing with multiple reports, respondent remarks, or no reported data. The remaining mail returns (about two-thirds) were batched and sent directly to data keying, along with some of the reviewed cases containing farm data. Keyed records were transmitted, formatted, and run through the complex edit and imputation system. About one-fifth of all forms edited were clerically reviewed for inconsistencies, omissions, or questionable values. While reviewing these forms, the edit review staff determined if the action taken by the computer edit and imputation system was correct. Edited records were tabulated to the county level. Each county was reviewed and, when necessary, individual records were corrected prior to publication.

Developing accurate processing methods is complicated by the complex structure of agriculture. Among the complexities are the many places to be included, the variety of arrangements under which farms are operated, the continuing changes in the relationship of operators to the farm operated, the expiration of leases and the initiation or renewal of leases, the problem of obtaining a complete list of agriculture operations, the difficulty of contacting and identifying some types of contractor/contractee relationships, the operator's absence from the farm during the data collection period, and the operator's opinion that part or all of the operation does not qualify and should not be included in the census. During data collection and processing of the census, all operations underwent a number of quality control checks to ensure as accurate an application as possible.

COVERAGE EVALUATION

Coverage Overview

The primary objectives of the census of agriculture are to accurately count U.S. farms, measure commodity production and sales, and measure demographic characteristics of farm operators. Since 1945, an evaluation of census coverage has been conducted for each census of agriculture to provide estimates of the completeness of census farm counts. These results help to identify problems and focus improvements for future censuses.

According to coverage evaluation results, the past five censuses of agriculture included an average of 92 percent of U.S. farms and 98 percent of agriculture production. Complete enumeration of agricultural operations satisfying the farm definition of $1,000 or more in agricultural sales is complicated by the variety of arrangements under which farms are operated, the multiplicity of names used for an operation, the number of operations in which an operator participates, and the difficulty in classifying those operations just around the $1,000 sales range. In 1997, extensive efforts were made to compile as complete and accurate a mail list as possible, while reducing the duplication and number of nonfarm operations on the list.

The 1997 coverage evaluation program was designed to measure four components of error in the census farm counts. These components include:

1. Undercount due to farms Not on the Mail List (NML)
2. Overcount due to farms Duplicated or enumerated more than once (DUP)
3. Undercount due to farms Incorrectly Classified as nonfarms (ICU)
4. Overcount due to nonfarms Incorrectly Classified as farms (ICO).

The first component, mail list undercount, is by far the largest component of coverage error. Duplication, though occurring far less frequently, can involve larger farms and have a larger impact on acreage and sales estimates. The last two components involve the misclassification of either farms or nonfarms. Misclassification can arise from errors in either reporting or processing the data.

Table G - Coverage Estimates - illustrates the effect of coverage adjustments on census farm counts by demographic characteristics, land in farms, and total value of sales. The coverage total is defined as the net difference between undercounted and overcounted farms. The adjusted census total is the sum of the census total and the net coverage total. The relative standard error is shown for the final census coverage adjusted number. This number will be similar to the relative standard error for the census number, except when the coverage total is negative or close to zero. The coverage adjustment percentage shows the coverage total as a percentage of total census adjusted farms for that characteristic.

The 1997 Census of Agriculture is the first census to include all four components of coverage error in table G. Previous publications only included the coverage error component due to farms not on the mail list (NML). Because of this, caution should be taken when comparing coverage estimates from table G with previous years. In addition, the coverage total is a negative number for some characteristics. This means that the number of farms overcounted for this characteristic was greater than the number of farms undercounted.

Area Frame Surveys to Measure Mail List Undercoverage

Names and addresses collected in the 1997 June Agricultural Survey and 1997 Fall Area Survey were used to estimate the undercount due to farms not on the census mail list (NML). These names were matched to the census mail list, and those that did not match were contacted by telephone or person. The enumerator verified whether the operation had reported in the census, and if not, a census of agriculture report form was completed.

The percentage of farms missed in the census varies considerably by State. In general, farms not on the mail list tended to be small in acreage, production, and sales of agricultural products. Farm operations could be missed for various reasons, including the possibility that the operation started after the mail list was developed, the operation may be so small as not to appear in any agriculture-related source lists, or the operation may have been falsely classified as a nonfarm prior to mailout.

Classification Error Survey to Measure Three Types of Coverage Error

The remaining three types of coverage error were measured by the Classification Error Survey. This survey was used to estimate the number of farms counted more than once (DUP), the number of farms misclassified as nonfarms (ICU), and the number of nonfarms misclassified as farms (ICO). A sample of census of agriculture respondents was selected for reinterview to determine their farm/nonfarm status and collect information to identify

potential duplication. The farm classification from this interview was compared with the classification on the census of agriculture report form. Any differences between these two classifications were reconciled to determine the true farm status. Each operation was reviewed for duplication by matching the additional information received from the reinterview (landlords, tenants, other names, etc.) to the list of census respondents. Potential duplication was reviewed and discrepancies reconciled.

In general, the classification error rate is higher for small farms close to the $1,000 agricultural sales requirement. This rate is also higher for farms with small acreage (less than 49 acres), higher for tenant farms than for full- or part-owner farms, and higher for farms where farming is not the operator's principal occupation.

Coverage Estimation

The adjusted census total, T, is estimated as the census farm count, C, plus undercount and minus overcount adjustments. Undercount includes 1) farms not on the mail list (NML) and 2) farms incorrectly classified as nonfarms (ICU). Overcount includes 3) nonfarms incorrectly classified as farms (ICO) and 4) farms duplicated in the census (DUP). Altogether, the adjusted census total is:

$$T = C + (NML + ICU) - (ICO + DUP).$$

In some States, estimates of misclassification of farms owned by operators having rare demographic characteristics were based on particularly small sample sizes. Where such small sample sizes occurred, a form of small area estimation was used in which data from similar States contributed to that State's estimates. In these cases, the coverage totals are weighted totals of the direct State estimate and the direct estimate from the region. Direct estimates were used to the largest extent possible, based on the amount of survey cases available for the particular item being estimated.

Table A. Percent of State Totals Contributed by Whole Farm Nonresponse Estimation: 1997

Item	Percent of total	Item	Percent of total
Farms .... number..	11.9	Corn for grain or seed .... acres..	7.5
Land in farms .... acres..	9.5	Wheat for grain .... acres..	7.6
Estimated market value of land and buildings[1] .... $1,000..	9.4	Livestock and poultry inventory:	
Market value of agricultural products sold .... $1,000..	4.9	Cattle and calves .... number..	8.4
Harvested cropland .... acres..	8.6	Hogs and pigs .... number..	2.6
		Layers 20 weeks old and older .... number..	.7

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

Table B. Reliability Estimates for Number of Farms in a County Reporting a Complete Count Item or Sample Count Item: 1997

Farms	Relative standard error of estimate (percent)	Farms	Relative standard error of estimate (percent)
COMPLETE COUNT ITEM		SAMPLE COUNT ITEM	
Number of farms reporting:		Number of farms reporting:	
25	5.7	25	41.6
50	3.8	50	29.0
75	3.0	75	23.4
100	2.4	100	20.0
150	1.7	150	15.9
200	1.2	200	13.3
300	.3	300	10.2
500	.2	500	6.7
750	.2	750	3.9
1,000	.1	1,000	.7
1,500	.1	1,500	.6
2,000	.1	2,000	.5

Table C. Reliability Estimates of State Totals for All Farms: 1997

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

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
FARMS AND LAND IN FARMS			**FARM PRODUCTION EXPENSES**[1]		
Farms ....number..	45 457	.5	Total farm production expenses ....farms..	45 429	.5
Land in farms ....acres..	7 167 906	.4	$1,000..	3 091 953	.3
Average size of farm ....acres..	158	.6	Average per farm ....dollars..	68 061	.5
			Livestock and poultry purchased ....farms..	16 075	1.4
			$1,000..	290 987	1.0
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			Feed for livestock and poultry ....farms..	26 901	.9
			$1,000..	973 221	.4
			Commercially mixed formula feeds ....farms..	19 941	1.2
			$1,000..	764 882	.5
Total sales (see text) ....farms..	45 457	.5	Seeds, bulbs, plants, and trees ....farms..	29 112	.8
$1,000..	3 997 565	.2	$1,000..	101 230	1.0
Average per farm ....dollars..	87 942	.5	Commercial fertilizer ....farms..	30 482	.8
Farms by value of sales:			$1,000..	109 826	1.0
Less than $1,000 (see text) ....farms..	5 475	.7	Agricultural chemicals ....farms..	26 899	.9
$1,000..	1 256	1.0	$1,000..	77 519	1.3
$1,000 to $2,499 ....farms..	4 824	.7	Petroleum products ....farms..	43 493	.5
$1,000..	8 057	.7	$1,000..	112 649	.7
$2,500 to $4,999 ....farms..	5 036	.7			
$1,000..	18 193	.7	Electricity ....farms..	33 505	.7
$5,000 to $9,999 ....farms..	5 546	.7	$1,000..	78 885	.7
$1,000..	39 695	.7	Hired farm labor ....farms..	14 055	1.5
$10,000 to $19,999 ....farms..	4 971	.7	$1,000..	362 811	.5
$1,000..	70 596	.7	Contract labor ....farms..	3 031	3.8
$20,000 to $24,999 ....farms..	1 413	1.1	$1,000..	27 369	1.7
$1,000..	31 372	1.1	Repair and maintenance ....farms..	39 966	.6
$25,000 to $39,999 ....farms..	2 742	.9	$1,000..	202 042	.8
$1,000..	86 895	.9	Customwork, machine hire, and rental of machinery and equipment ....farms..	14 864	1.5
$40,000 to $49,999 ....farms..	1 222	1.1	$1,000..	39 183	1.4
$1,000..	54 446	1.1	Interest ....farms..	17 169	1.3
$50,000 to $99,999 ....farms..	4 630	.8	$1,000..	146 763	1.2
$1,000..	343 035	.8	Secured by real estate ....farms..	12 387	1.7
$100,000 to $249,999 ....farms..	6 356	.6	$1,000..	106 441	1.5
$1,000..	966 454	.6	Not secured by real estate ....farms..	9 092	2.0
$250,000 to $499,999 ....farms..	1 943	–	$1,000..	40 322	1.8
$1,000..	664 893	–			
$500,000 or more ....farms..	1 299	–	Cash rent ....farms..	13 593	1.5
$1,000..	1 712 673	–	$1,000..	78 824	1.6
Sales by commodity or commodity group:			Property taxes.....................................farms..	41 605	.6
Crops, including nursery and greenhouse crops.....farms..	28 129	.5	$1,000..	114 732	.9
$1,000..	1 282 526	.2	All other farm production expenses.................farms..	41 408	.6
Grains.......................................farms..	15 314	.5	$1,000..	375 913	.5
$1,000..	317 362	.3			
Corn for grain ....farms..	10 693	.5			
$1,000..	194 441	.4	**NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)**[1]		
Wheat.....................................farms..	6 067	.5			
$1,000..	27 728	.4			
Soybeans.................................farms..	6 377	.5			
$1,000..	83 689	.4	All farms...number..	45 437	.5
Sorghum for grain ....farms..	50	3.6	$1,000..	747 503	1.1
$1,000..	386	10.1	Average per farm ....dollars..	16 451	1.2
Barley.....................................farms..	1 415	.8			
$1,000..	3 753	.7	Farms with net gains[2] ....number..	23 922	.9
Oats ....farms..	3 210	.7	$1,000..	923 934	.8
$1,000..	5 736	.8	Average net gain ....dollars..	38 623	1.2
Other grains ....farms..	783	1.1			
$1,000..	1 630	1.8	Farms with net losses ....number..	21 515	1.0
Cotton and cottonseed ....farms..	–	–	$1,000..	176 431	1.5
$1,000..	–	–	Average net loss...............................dollars..	8 200	1.8
Tobacco ....farms..	1 354	1.1			
$1,000..	24 908	1.2			
Hay, silage, and field seeds ....farms..	13 666	.5	**GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME**		
$1,000..	119 175	.5			
Vegetables, sweet corn, and melons ....farms..	3 103	.7			
$1,000..	64 658	.6			
Fruits, nuts, and berries ....farms..	2 092	.8			
$1,000..	93 252	.5	Government payments ....farms..	9 963	.5
Nursery and greenhouse crops ....farms..	3 877	.7	$1,000..	29 978	.4
$1,000..	639 778	.2	Other farm-related income[1] ....farms..	11 253	1.9
Other crops ....farms..	917	1.1	$1,000..	54 553	3.7
$1,000..	23 393	.7	Customwork and other agricultural services ....farms..	3 627	3.6
Livestock, poultry, and their products ....farms..	29 590	.4	$1,000..	23 077	7.2
$1,000..	2 715 039	.2	Gross cash rent or share payments ....farms..	3 080	4.0
Poultry and poultry products...................farms..	2 984	.6	$1,000..	9 585	5.6
$1,000..	720 263	.1	Forest products, excluding Christmas trees and maple products ....farms..	1 830	5.4
Dairy products...............................farms..	10 218	.6	$1,000..	12 765	7.2
$1,000..	1 320 801	.4	Other farm-related income sources.................farms..	5 016	2.9
Cattle and calves ....farms..	24 783	.5	$1,000..	9 126	4.1
$1,000..	355 981	.4			
Hogs and pigs...............................farms..	2 971	.7			
$1,000..	235 303	.2	**COMMODITY CREDIT CORPORATION LOANS**		
Sheep, lambs, and wool ....farms..	2 346	.8			
$1,000..	5 333	1.5			
Other livestock and livestock products (see text).......................................farms..	3 347	.7			
$1,000..	77 358	.5			
Value of agricultural products sold directly to individuals for human consumption (see text) ....farms..	5 508	.6	Total ....farms..	619	1.1
$1,000..	48 745	.5	$1,000..	11 022	.9

See footnotes at end of table.

Table C. **Reliability Estimates of State Totals for All Farms: 1997**—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**		
			All operators .... farms..	45 457	.5
Total cropland .... farms..	42 573	.5	acres..	7 167 906	.4
acres..	5 032 151	.4	Full owners .... farms..	26 602	.5
Harvested cropland .... farms..	39 689	.4	acres..	2 715 889	.5
acres..	4 014 564	.4	Part owners .... farms..	14 198	.4
Farms by acres harvested:			acres..	3 835 208	.4
1 to 9 acres .... farms..	5 560	.7	Tenants .... farms..	4 657	.8
acres..	22 118	.7	acres..	616 809	.8
10 to 19 acres .... farms..	4 167	.7			
acres..	56 033	.7	**OWNED AND RENTED LAND**		
20 to 29 acres .... farms..	3 703	.7			
acres..	85 874	.7	Land owned... farms..	40 877	.4
30 to 49 acres .... farms..	6 034	.6	acres..	5 020 244	.4
acres..	229 603	.6	Owned land in farms .... farms..	40 800	.4
50 to 99 acres .... farms..	8 796	.6	acres..	4 736 912	.4
acres..	605 299	.6	Land rented or leased from others .... farms..	18 990	.5
100 to 199 acres.............................. farms..	6 268	.6	landlords..	2 453 342	.4
acres..	862 020	.6	landlords..	54 182	.4
200 to 499 acres.............................. farms..	4 116	.5	Rented or leased land in farms .... farms..	18 855	.5
acres..	1 208 673	.5	acres..	2 430 994	.4
500 to 999 acres.............................. farms..	782	.5	Land rented or leased to others .... farms..	5 021	.6
acres..	510 483	.5	acres..	305 680	.8
1,000 acres or more.......................... farms..	263	–			
acres..	434 461	–	**OPERATOR CHARACTERISTICS**		
Cropland:					
Pasture or grazing only .... farms..	21 590	.5	Operators by place of residence:		
acres..	680 759	.5	On farm operated	36 616	.5
Other cropland .... farms..	11 273	.5	Not on farm operated	5 470	.7
acres..	336 828	.6	Not reported	3 371	.6
Total woodland .... farms..	26 760	.5	Operators by principal occupation:		
acres..	1 386 209	.5	Farming	25 635	.5
Pastureland and rangeland other than cropland and			Other	19 822	.6
woodland pastured............................... farms..	11 851	.5	Operators by days worked off farm:		
acres..	372 414	.6	Any	22 778	.5
Land in house lots, ponds, roads, wasteland, etc. .... farms..	30 553	.5	200 days or more	14 611	.6
acres..	377 132	.5	Operators by sex:		
Irrigated land .... farms..	2 814	.7	Male .... farms..	42 208	.4
acres..	36 150	.8	acres..	6 854 033	.4
Acres irrigated:			Female .... farms..	3 249	.8
1 to 9 acres .... farms..	2 154	.8	acres..	313 873	1.0
acres..	5 097	1.0	Average age of operator ....years..	52.7	.6
10 to 49 acres .... farms..	502	1.3			
acres..	10 346	1.3	**FARMS BY TYPE OF ORGANIZATION**		
50 to 99 acres .... farms..	82	1.8			
acres..	5 231	1.8	Individual or family (sole proprietorship)................ farms..	40 176	.5
100 to 199 acres............................... farms..	49	1.8	acres..	5 647 584	.4
acres..	6 279	1.9	Partnership .... farms..	3 957	.7
200 to 499 acres............................... farms..	23	3.2	acres..	1 137 170	.6
acres..	6 400	2.9	Corporation:		
500 to 999 acres............................... farms..	4	–	Family held .... farms..	1 024	.9
acres..	2 797	–	acres..	316 555	.6
1,000 acres or more........................... farms..	–	–	More than 10 stockholders .... farms..	27	4.0
acres..	–	–	10 or less stockholders .... farms..	997	.9
Harvested cropland irrigated .... farms..	2 759	.7	Other than family held .... farms..	117	2.7
acres..	34 948	.8	acres..	18 870	2.6
Pasture and other land irrigated .... farms..	107	3.0	More than 10 stockholders .... farms..	7	7.0
acres..	1 202	2.7	10 or less stockholders .... farms..	110	2.8
Land under Conservation Reserve or Wetlands			Other—cooperative, estate or trust, institutional, etc. .... farms..	183	2.2
Reserve Programs .... farms..	1 971	.9	acres..	47 727	1.6
acres..	93 444	1.2			
			HIRED FARM LABOR[1]		
VALUE OF LAND AND BUILDINGS[1]					
			Hired workers by days worked:		
Estimated market value of land and buildings .... farms..	45 437	.5	150 days or more .... farms..	6 871	2.1
$1,000..	16 890 772	.8	workers..	23 543	1.1
Average per farm .... dollars..	371 740	.9	Less than 150 days .... farms..	11 752	1.8
Average per acre .... dollars..	2 390	1.2	workers..	42 752	1.9
VALUE OF MACHINERY AND EQUIPMENT[1]			**INJURIES AND DEATHS**		
Estimated market value of all machinery and			Farm-related injuries:		
equipment .... farms..	45 436	.5	Operator and family members .... farms..	605	1.3
$1,000..	2 418 038	.9	number..	694	1.4
Average per farm .... dollars..	53 219	1.1	Hired workers .... farms..	406	1.0
			number..	785	.7
AGRICULTURAL CHEMICALS[1]			Farm-related deaths:		
			Operator and family members .... farms..	20	–
Commercial fertilizer .... farms..	30 175	.8	number..	21	–
acres on which used..	2 658 019	1.1	Hired workers .... farms..	3	–
			number..	3	–

See footnotes at end of table.

Table C. **Reliability Estimates of State Totals for All Farms: 1997**—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**		
			Cattle and calves inventory .... farms..	26 525	.5
			number..	1 672 295	.4
			Beef cows .... farms..	11 237	.5
			number..	169 134	.6
1 to 9 acres .... farms..	3 431	.7	Milk cows .... farms..	10 920	.6
acres..	14 392	.8	number..	621 530	.4
10 to 49 acres .... farms..	9 833	.6	Cattle and calves sold .... farms..	24 783	.5
acres..	268 874	.6	number..	857 149	.4
50 to 69 acres .... farms..	4 490	.7	$1,000..	355 981	.4
acres..	262 742	.7	Hogs and pigs inventory .... farms..	3 456	.6
70 to 99 acres .... farms..	5 500	.7	number..	1 100 754	.3
acres..	457 678	.7	Hogs and pigs sold.................................. farms..	2 971	.7
100 to 139 acres................................... farms..	6 050	.6	number..	2 469 824	.4
acres..	702 896	.6	$1,000..	235 303	.2
			Sheep and lambs of all ages inventory .... farms..	2 541	.8
			number..	85 925	1.4
			Sheep and lambs sold .... farms..	2 135	.8
140 to 179 acres................................... farms..	3 901	.7	number..	66 899	1.4
acres..	612 039	.7			
180 to 219 acres................................... farms..	2 678	.7	Horses and ponies inventory .... farms..	9 879	.6
acres..	528 900	.7	number..	65 072	.7
220 to 259 acres................................... farms..	2 053	.8	Horses and ponies sold.............................. farms..	1 998	.9
acres..	488 200	.8	number..	7 634	1.3
260 to 499 acres................................... farms..	5 084	.6			
acres..	1 768 079	.6	**POULTRY**		
500 to 999 acres................................... farms..	1 925	.6			
acres..	1 244 259	.6	Layers and pullets 13 weeks old and older inventory		
			(see text) .... farms..	3 259	.7
			number..	27 856 467	.1
			Layers 20 weeks old and older .... farms..	3 147	.7
1,000 to 1,999 acres .... farms..	409	–	number..	24 396 990	.1
acres..	518 967	–	Broilers and other meat-type chickens sold .... farms..	845	.8
2,000 acres or more................................ farms..	103	–	number..	118 545 429	.1
acres..	300 880	–			
			SELECTED CROPS HARVESTED		
			Corn for grain or seed .... farms..	18 732	.5
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM			acres..	970 895	.4
			bushels..	93 320 717	.3
			Corn for silage or green chop......................... farms..	12 598	.5
			acres..	484 951	.4
			tons, green..	6 363 560	.4
			Wheat for grain .... farms..	6 381	.5
			acres..	167 488	.4
			bushels..	8 526 375	.4
Oilseed and grain farming (1111) .... farms..	6 664	.6	Barley for grain .... farms..	3 515	.6
acres..	1 340 747	.5	acres..	63 782	.5
Vegetable and melon farming (1112) .... farms..	1 305	1.0	bushels..	4 091 499	.5
acres..	148 905	.9	Oats for grain .... farms..	9 041	.5
Fruit and tree nut farming (1113) .... farms..	1 317	.9	acres..	144 456	.6
acres..	123 692	.9	bushels..	8 122 302	.6
Greenhouse, nursery, and floriculture production			Tobacco .... farms..	1 357	1.1
(1114) .... farms..	3 255	.7	acres..	7 953	1.1
acres..	215 859	.9	pounds..	17 098 232	1.2
Other crop farming (1119) .... farms..	7 389	.6	Soybeans for beans .... farms..	6 486	.5
acres..	1 084 575	.6	acres..	347 981	.4
Beef cattle ranching and farming (112111) .... farms..	7 083	.6	bushels..	12 941 343	.4
acres..	930 321	.6	Potatoes, excluding sweetpotatoes.................... farms..	740	1.2
Cattle feedlots (112112) .... farms..	2 463	.8	acres..	12 597	.7
acres..	326 155	.9	cwt..	3 082 481	.6
Dairy cattle and milk production (11212) .... farms..	9 591	.6	Hay—alfalfa, other tame, small grain, wild, grass		
acres..	2 458 392	.4	silage, green chop, etc. (see text) .... farms..	31 387	.5
Hog and pig farming (1122) .... farms..	1 130	.9	acres..	1 890 462	.4
acres..	137 794	.9	tons, dry..	3 931 973	.4
Poultry and egg production (1123) .... farms..	1 320	.6	Alfalfa hay .... farms..	17 909	.5
acres..	155 526	.4	acres..	648 439	.5
Sheep and goat farming (1124) .... farms..	993	1.1	tons, dry..	1 730 743	.5
acres..	65 319	1.7	Vegetables harvested for sale (see text) .... farms..	3 103	.7
Animal aquaculture and other animal production (1125,			acres..	44 533	.7
1129) .... farms..	2 947	.8	Land in orchards................................... farms..	2 069	.8
acres..	180 621	1.1	acres..	56 029	.7

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

Table D. Reliability Estimates of State Totals for Farms With Sales of $10,000 or More: 1997

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

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
FARMS AND LAND IN FARMS			**FARM PRODUCTION EXPENSES[1]**		
			Total farm production expenses .... farms..	24 532	.5
Farms ....number..	24 576	.5	$1,000..	2 955 615	.3
Land in farms ....acres..	5 436 537	.4	Average per farm ....dollars..	120 480	.6
Average size of farm ....acres..	221	.6			
			Livestock and poultry purchased .... farms..	11 102	1.6
			$1,000..	283 089	1.0
			Feed for livestock and poultry ...... farms..	17 108	1.0
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			$1,000..	961 477	.4
			Commercially mixed formula feeds .... farms..	13 984	1.2
			$1,000..	759 212	.5
Total sales (see text) .... farms..	24 576	.5	Seeds, bulbs, plants, and trees ..... farms..	20 368	.8
$1,000..	3 930 365	.2	$1,000..	97 780	1.1
Average per farm ....dollars..	159 927	.5	Commercial fertilizer .... farms..	20 415	.8
Farms by value of sales:			$1,000..	103 196	1.1
$10,000 to $19,999 .... farms..	4 971	.7	Agricultural chemicals .... farms..	19 202	.9
$1,000..	70 596	.7	$1,000..	74 387	1.4
$20,000 to $24,999 .... farms..	1 413	1.1	Petroleum products .... farms..	24 135	.5
$1,000..	31 372	1.1	$1,000..	101 661	.8
$25,000 to $39,999 .... farms..	2 742	.9	Electricity .... farms..	21 695	.7
$1,000..	86 895	.9	$1,000..	74 763	.7
$40,000 to $49,999 .... farms..	1 222	1.1	Hired farm labor .... farms..	11 155	1.6
$1,000..	54 446	1.1	$1,000..	360 602	.5
$50,000 to $99,999 .... farms..	4 630	.8	Contract labor .... farms..	2 299	4.1
$1,000..	343 035	.8	$1,000..	26 514	1.6
$100,000 to $249,999 .... farms..	6 356	.6	Repair and maintenance .... farms..	23 161	.6
$1,000..	966 454	.5	$1,000..	179 092	.9
$250,000 to $499,999 .... farms..	1 943	–	Customwork, machine hire, and rental of machinery and equipment ..... farms..	11 182	1.6
$1,000..	664 893	–	$1,000..	37 213	1.5
$500,000 or more .... farms..	1 299	–	Interest .... farms..	13 362	1.4
$1,000..	1 712 673	–	$1,000..	136 479	1.3
Sales by commodity or commodity group:			Secured by real estate .... farms..	9 346	1.9
Crops, including nursery and greenhouse crops..... farms..	17 326	.5	$1,000..	97 437	1.6
$1,000..	1 246 330	.2	Not secured by real estate ..... farms..	7 745	2.1
Grains....................... farms..	11 164	.5	$1,000..	39 042	1.8
$1,000..	306 449	.3	Cash rent .... farms..	11 533	1.6
Corn for grain .... farms..	7 593	.5	$1,000..	77 286	1.6
$1,000..	187 396	.4	Property taxes.................... farms..	21 970	.7
Wheat..................... farms..	5 074	.6	$1,000..	80 786	1.1
$1,000..	26 710	.4	All other farm production expenses... farms..	24 528	.5
Soybeans.................. farms..	5 605	.5	$1,000..	361 288	.5
$1,000..	81 859	.4			
Sorghum for grain .... farms..	43	3.9	**NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]**		
$1,000..	378	10.6			
Barley..................... farms..	1 161	.9			
$1,000..	3 553	.7	All farms.........................number..	24 532	.5
Oats .... farms..	2 118	.8	$1,000..	816 732	1.0
$1,000..	5 010	.8	Average per farm ....dollars..	33 293	1.1
Other grains .... farms..	681	1.2	Farms with net gains[2] ....number..	19 302	.9
$1,000..	1 543	1.9	$1,000..	914 909	.8
Cotton and cottonseed .... farms..	–	–	Average net gain ....dollars..	47 400	1.2
$1,000..	–	–	Farms with net losses ....number..	5 230	2.6
Tobacco .... farms..	1 304	1.1	$1,000..	98 176	2.1
$1,000..	24 645	1.2	Average net loss................dollars..	18 772	3.4
Hay, silage, and field seeds .... farms..	7 578	.5			
$1,000..	103 419	.6	**GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME**		
Vegetables, sweet corn, and melons .... farms..	2 309	.8			
$1,000..	62 321	.6			
Fruits, nuts, and berries ...... farms..	1 320	.9	Government payments .... farms..	6 781	.5
$1,000..	91 537	.5	$1,000..	24 201	.4
Nursery and greenhouse crops ..... farms..	2 323	.8	Other farm-related income[1] .... farms..	7 660	2.2
$1,000..	634 983	.2	$1,000..	44 467	4.3
Other crops .... farms..	690	1.2	Customwork and other agricultural services ...... farms..	2 905	3.9
$1,000..	22 977	.7	$1,000..	21 388	7.6
Livestock, poultry, and their products ..... farms..	18 556	.5	Gross cash rent or share payments .... farms..	1 263	6.0
$1,000..	2 684 035	.2	$1,000..	5 913	7.2
Poultry and poultry products.... farms..	2 075	.6	Forest products, excluding Christmas trees and maple products ..... farms..	1 064	7.0
$1,000..	719 539	.1	$1,000..	8 718	8.6
Dairy products................ farms..	10 128	.6	Other farm-related income sources..... farms..	4 203	3.1
$1,000..	1 320 468	.4	$1,000..	8 447	4.0
Cattle and calves .... farms..	16 487	.5			
$1,000..	333 046	.4	**COMMODITY CREDIT CORPORATION LOANS**		
Hogs and pigs .... farms..	2 054	.7			
$1,000..	233 806	.2			
Sheep, lambs, and wool .... farms..	867	1.2			
$1,000..	3 305	2.3			
Other livestock and livestock products (see text)..... farms..	1 613	1.0			
$1,000..	73 872	.5			
Value of agricultural products sold directly to individuals for human consumption (see text) .... farms..	3 177	.7	Total .... farms..	564	1.2
$1,000..	44 797	.6	$1,000..	10 982	.9

See footnotes at end of table.

Table D. **Reliability Estimates of State Totals for Farms With Sales of $10,000 or More: 1997**—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**		
			Individual or family (sole proprietorship) .... farms..	20 595	.5
Total cropland .... farms..	23 613	.5	acres..	4 053 015	.4
acres..	4 128 452	.4	Partnership .... farms..	3 005	.7
Harvested cropland .... farms..	23 086	.5	acres..	1 036 152	.6
acres..	3 526 788	.4	Corporation:		
Cropland:			Family held .... farms..	803	.9
Pasture or grazing only .... farms..	11 849	.5	acres..	295 062	.5
acres..	433 378	.6	More than 10 stockholders .... farms..	20	2.6
Total woodland .... farms..	13 908	.5	10 or less stockholders .... farms..	783	.9
acres..	831 266	.5	Other than family held .... farms..	74	2.7
Pastureland and rangeland other than cropland and			acres..	14 099	2.1
woodland pastured................................... farms..	6 710	.6	More than 10 stockholders .... farms..	6	7.9
acres..	244 500	.7	10 or less stockholders .... farms..	68	2.8
Land in house lots, ponds, roads, wasteland, etc. ...... farms..	16 370	.5	Other—cooperative, estate or trust, institutional, etc. .... farms..	99	2.7
acres..	232 319	.6	acres..	38 209	1.6
Irrigated land .... farms..	2 168	.7			
acres..	34 070	.8	**HIRED FARM LABOR[1]**		
Harvested cropland irrigated .... farms..	2 142	.7	Hired workers by days worked:		
acres..	33 031	.8	150 days or more .... farms..	6 188	2.1
Pasture and other land irrigated .... farms..	69	3.6	workers..	22 852	1.1
acres..	1 039	3.0	Less than 150 days .... farms..	8 881	2.0
Land under Conservation Reserve or Wetlands			workers..	37 239	2.0
Reserve Programs .... farms..	606	1.3			
acres..	27 306	1.9	**INJURIES AND DEATHS**		
			Farm-related injuries:		
VALUE OF LAND AND BUILDINGS[1]			Operator and family members .... farms..	430	1.6
			number..	500	1.6
Estimated market value of land and buildings .... farms..	24 532	.5	Hired workers .... farms..	381	1.0
$1,000..	12 874 636	.9	number..	754	.6
Average per farm .... dollars..	524 810	1.1	Farm-related deaths:		
Average per acre .... dollars..	2 406	1.3	Operator and family members .... farms..	11	—
			number..	(D)	(D)
VALUE OF MACHINERY AND EQUIPMENT[1]			Hired workers .... farms..	3	—
			number..	(D)	(D)
Estimated market value of all machinery and					
equipment .... farms..	24 532	.5	**FARMS BY SIZE**		
$1,000..	1 878 804	1.1			
Average per farm .... dollars..	76 586	1.2	1 to 9 acres	1 334	.9
			10 to 49 acres	2 811	.8
AGRICULTURAL CHEMICALS[1]			50 to 69 acres	1 862	.9
			70 to 99 acres	2 724	.8
Commercial fertilizer .... farms..	20 295	.8	100 to 139 acres	3 240	.7
acres on which used..	2 459 309	1.1	140 to 179 acres	2 476	.8
			180 to 219 acres	1 873	.8
TENURE OF OPERATOR			220 to 259 acres	1 608	.9
			260 to 499 acres	4 354	.6
All operators .... farms..	24 576	.5	500 to 999 acres	1 794	.6
acres..	5 436 537	.4	1,000 to 1,999 acres	397	—
Full owners .... farms..	10 381	.5	2,000 acres or more.................................	103	—
acres..	1 423 796	.5			
Part owners .... farms..	10 779	.5	**FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM**		
acres..	3 460 957	.4			
Tenants .... farms..	3 416	.9	Oilseed and grain farming (1111)	3 429	.7
acres..	551 784	.8	Vegetable and melon farming (1112)	748	1.2
			Fruit and tree nut farming (1113)	619	1.2
OWNED AND RENTED LAND			Greenhouse, nursery, and floriculture production		
			(1114)	1 903	.8
Land owned.. farms..	21 213	.5	Other crop farming (1119)	3 015	.7
acres..	3 371 492	.4	Beef cattle ranching and farming (112111)	1 734	.9
Owned land in farms .... farms..	21 160	.5	Cattle feedlots (112112)	1 069	1.1
acres..	3 232 039	.4	Dairy cattle and milk production (11212)	9 535	.6
Land rented or leased from others .... farms..	14 274	.5	Hog and pig farming (1122)	818	.9
acres..	2 220 991	.4	Poultry and egg production (1123)	1 086	.5
landlords..	45 523	.4	Sheep and goat farming (1124)	105	3.2
Rented or leased land in farms .... farms..	14 195	.5	Animal aquaculture and other animal production (1125,		
acres..	2 204 498	.4	1129)	515	1.5
Land rented or leased to others..................... farms..	2 224	.7			
acres..	155 946	1.0	**LIVESTOCK**		
			Cattle and calves inventory......................... farms..	16 559	.5
OPERATOR CHARACTERISTICS			number..	1 500 939	.4
			Beef cows .... farms..	4 020	.7
Operators by place of residence:			number..	92 174	.7
On farm operated	19 890	.5	Milk cows .... farms..	10 321	.6
Not on farm operated	2 697	.8	number..	619 328	.4
Not reported	1 989	.7	Cattle and calves sold .... farms..	16 487	.5
Operators by principal occupation:			number..	796 531	.4
Farming	18 828	.5	$1,000..	333 046	.4
Other	5 748	.6	Hogs and pigs inventory .... farms..	2 212	.7
Operators by days worked off farm:			number..	1 087 497	.3
Any	9 042	.6	Hogs and pigs sold................................ farms..	2 054	.7
200 days or more	4 527	.7	number..	2 452 892	.4
Operators by sex:			$1,000..	233 806	.2
Male	23 481	.5	Sheep and lambs of all ages inventory................ farms..	954	1.1
Female	1 095	1.1	number..	41 956	2.4
Average age of operator .... years..	50.4	.7	Sheep and lambs sold .... farms..	783	1.2
			number..	37 627	2.2
			Horses and ponies inventory .... farms..	4 401	.7
			number..	30 856	.9
			Horses and ponies sold............................ farms..	1 030	1.2
			number..	5 519	1.6

See footnotes at end of table.

Table D. Reliability Estimates of State Totals for Farms With Sales of $10,000 or More: 1997—Con.

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

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
POULTRY			**SELECTED CROPS HARVESTED**—Con.		
			Barley for grain .... farms..	3 041	.6
			acres..	60 447	.5
Layers and pullets 13 weeks old and older inventory			bushels..	3 922 231	.5
(see text) .... farms..	1 714	.8	Oats for grain .... farms..	5 953	.6
number..	27 800 414	.1	acres..	120 750	.6
Layers 20 weeks old and older .... farms..	1 642	.9	bushels..	6 977 614	.6
number..	24 349 153	.1	Tobacco .... farms..	1 306	1.1
			acres..	7 840	1.1
Broilers and other meat-type chickens sold .... farms..	680	.8	pounds..	16 896 914	1.2
number..	118 477 551	.1	Soybeans for beans .... farms..	5 688	.5
			acres..	337 312	.4
			bushels..	12 633 266	.4
SELECTED CROPS HARVESTED			Potatoes, excluding sweetpotatoes .... farms..	552	1.3
			acres..	12 395	.7
			cwt..	3 052 282	.6
			Hay—alfalfa, other tame, small grain, wild, grass		
Corn for grain or seed .... farms..	13 836	.5	silage, green chop, etc. (see text) .... farms..	18 487	.5
acres..	919 760	.4	acres..	1 521 329	.4
bushels..	89 661 642	.3	tons, dry..	3 374 647	.4
Corn for silage or green chop .... farms..	11 322	.5	Alfalfa hay .... farms..	13 021	.5
acres..	470 978	.4	acres..	560 566	.5
tons, green..	6 229 567	.4	tons, dry..	1 564 600	.5
Wheat for grain .... farms..	5 199	.6	Vegetables harvested for sale (see text) .... farms..	2 309	.8
acres..	157 838	.5	acres..	42 604	.7
bushels..	8 152 962	.4	Land in orchards .... farms..	1 018	1.0
			acres..	50 939	.7

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

Table E. Reliability Estimates of Percent Change in State Totals: 1992 to 1997

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

Item	All farms		Farms with sales of $10,000 or more	
	Percent change from 1992 to 1997	Standard error of estimate	Percent change from 1992 to 1997	Standard error of estimate
Farms .... number..	1.3	1.2	.9	1.2
Land in farms .... acres..	−.3	.9	1.0	.8
Average size of farm .... acres..	−1.3	1.4	−	1.4
Estimated market value of land and buildings[1]:				
Average per farm .... dollars..	13.1	1.9	12.6	2.0
Average per acre .... dollars..	16.2	2.1	14.3	2.1
Estimated market value of all machinery and equipment[1]:				
Average per farm .... dollars..	7.8	1.9	2.2	1.9
Farms by size:				
1 to 9 acres	14.2	1.5	2.5	1.5
10 to 49 acres	8.1	1.4	10.5	1.9
50 to 179 acres	−1.0	.8	1.5	1.0
180 to 499 acres	−4.6	.8	−4.2	.7
500 to 999 acres	2.4	.8	2.7	.7
1,000 to 1,999 acres	4.6	−	5.9	−
2,000 acres or more	33.8	−	37.3	−
Total cropland.. farms..	.4	1.2	1.1	1.2
acres..	.2	.9	1.6	.8
Harvested cropland .... farms..	−1.0	1.1	1.2	1.2
acres..	4.0	.8	5.7	.8
Irrigated land .... farms..	32.7	1.5	31.0	1.5
acres..	56.5	1.5	58.9	1.5
Market value of agricultural products sold .... $1,000..	12.0	.4	12.2	.4
Average per farm .... dollars..	10.5	1.3	11.3	1.4
Crops, including nursery and greenhouse crops .... $1,000..	23.1	.5	23.8	.4
Livestock, poultry, and their products.................................... $1,000..	7.4	.4	7.6	.4
Farms by value of sales:				
Less than $2,500	6.9	1.2	(X)	(X)
$2,500 to $4,999	−5.2	1.4	(X)	(X)
$5,000 to $9,999	−.2	1.6	(X)	(X)
$10,000 to $24,999	3.0	1.5	3.0	1.5
$25,000 to $49,999	1.3	1.7	1.3	1.7
$50,000 to $99,999	−11.7	1.6	−11.7	1.6
$100,000 to $249,999	1.0	.6	1.0	.6
$250,000 to $499,999	13.8	−	13.8	−
$500,000 or more	28.1	−	28.1	−
Total farm production expenses[1] .... $1,000..	11.4	.7	11.6	.7
Average per farm .... dollars..	10.0	1.4	10.4	1.4
Net cash return from agricultural sales for the farm unit (see text)[1] .... farms..	1.3	1.2	1.1	1.2
$1,000..	−1.4	1.3	−	1.2
Average per farm .... dollars..	−2.7	1.7	−1.1	1.7
Operators by principal occupation:				
Farming	−4.9	1.0	−3.7	1.1
Other	10.7	1.5	19.6	1.9
Operators by days worked off farm:				
Any	7.2	1.4	8.3	1.7
200 days or more...	8.2	1.5	8.8	1.8
Livestock and poultry:				
Cattle and calves inventory .... farms..	−5.2	1.1	−4.6	1.1
number..	−1.6	.7	−1.6	.7
Beef cows .... farms..	−2.0	1.3	8.8	1.7
number..	7.2	1.5	13.0	1.6
Milk cows... farms..	−12.3	1.0	−11.7	1.0
number..	−.6	.6	−.6	.6
Cattle and calves sold.. farms..	−4.7	1.1	−4.7	1.1
number..	−10.2	.7	−10.9	.7
Hogs and pigs inventory .... farms..	−32.2	.9	−30.0	1.0
number..	2.4	.5	3.7	.5
Hogs and pigs sold .... farms..	−35.1	.9	−33.5	.9
number..	9.1	.6	10.2	.6
Sheep and lambs inventory .... farms..	−13.0	1.3	−15.8	1.5
number..	−20.5	1.6	−17.9	2.5
Layers and pullets 13 weeks old and older inventory (see text) .... farms..	−13.9	1.1	−12.8	1.3
number..	−6.2	.1	−6.1	.1
Broilers and other meat-type chickens sold .... farms..	.7	1.3	1.9	1.2
number..	9.6	.2	9.6	.2
Selected crops harvested:				
Corn for grain or seed.. farms..	−13.3	1.0	−8.6	1.0
acres..	−4.1	.6	−2.4	.6
bushels..	−16.7	.5	−15.5	.5
Corn for silage or green chop .... farms..	−5.0	1.1	−4.8	1.1
acres..	24.4	.8	25.1	.8
tons, green..	3.7	.7	4.1	.6
Wheat for grain .... farms..	−17.5	.9	−12.0	1.0
acres..	−8.0	.7	−5.3	.7
bushels..	−1.7	.8	1.0	.8
Oats for grain .... farms..	−19.3	1.0	−16.3	1.1
acres..	−21.6	.8	−20.3	.8
bushels..	−26.6	.8	−25.6	.8
Potatoes, excluding sweetpotatoes .... farms..	−22.6	1.3	−20.9	1.5
acres..	−27.6	.6	−27.6	.7
cwt..	−23.5	.6	−23.4	.6
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc.				
(see text) .... farms..	−3.8	1.1	−.3	1.2
acres..	5.7	1.0	8.1	.9
tons, dry..	−3.9	.8	−4.0	.8
Land in orchards .... farms..	−10.7	1.3	−7.4	1.5
acres..	−2.8	.8	−2.0	.8

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

Table F. Reliability Estimates for the State and County Totals: 1997

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

Geographic area	Farms Total (number)	Farms Relative standard error of estimate (percent)	Land in farms Total (acres)	Land in farms Relative standard error of estimate (percent)	Average size of farm Total (acres)	Average size of farm Relative standard error of estimate (percent)	Average market value of land and buildings per farm[1] Value (dollars)	Average market value of land and buildings per farm[1] Relative standard error of estimate (percent)	Estimated market value of all machinery and equipment[1] Total ($1,000)	Estimated market value of all machinery and equipment[1] Relative standard error of estimate (percent)
Pennsylvania	**45 457**	**.5**	**7 167 906**	**.4**	**158**	**.6**	**371 740**	**.9**	**2 418 038**	**.9**
Adams	984	.4	178 780	.6	182	.7	495 312	4.8	67 206	5.6
Allegheny	334	.6	26 944	2.0	81	2.1	255 618	11.4	11 544	12.0
Armstrong	654	.5	119 597	1.0	183	1.1	279 434	5.2	30 739	6.3
Beaver	499	.6	53 774	1.3	108	1.4	245 969	12.6	17 892	7.6
Bedford	943	.4	198 824	.7	211	.8	320 752	3.8	48 618	3.9
Berks	1 586	.4	221 511	.6	140	.7	546 723	3.1	113 082	3.0
Blair	422	.6	83 813	1.0	199	1.1	378 868	5.9	24 256	4.6
Bradford	1 279	.4	306 737	.6	240	.7	287 621	7.4	64 677	4.4
Bucks	739	.5	83 534	1.1	113	1.2	709 579	6.7	39 995	5.9
Butler	972	.6	118 547	1.1	122	1.2	333 391	11.3	45 325	8.1
Cambria	525	.5	87 802	1.1	167	1.2	232 579	7.8	25 207	5.7
Cameron	26	.5	4 121	2.3	159	2.4	175 165	5.3	690	3.0
Carbon	167	.5	19 838	2.0	119	2.0	387 928	5.6	7 847	4.5
Centre	788	.6	135 982	.9	173	1.1	521 516	7.6	40 153	6.6
Chester	1 424	.5	175 363	.7	123	.9	670 398	3.1	95 880	4.8
Clarion	457	.4	94 086	1.0	206	1.1	233 198	9.3	23 851	7.5
Clearfield	339	.4	52 630	1.2	155	1.3	221 585	8.7	13 671	10.7
Clinton	266	.6	41 293	1.6	155	1.7	314 576	6.6	15 787	16.0
Columbia	702	.5	110 408	.9	157	1.1	300 597	5.6	38 891	7.3
Crawford	1 069	.5	207 215	.7	194	.9	187 506	4.0	54 609	4.9
Cumberland	970	.5	143 163	.7	148	.9	459 771	3.7	55 607	4.5
Dauphin	625	.4	86 522	.9	138	1.0	445 362	3.9	36 252	5.6
Delaware	63	.6	4 841	4.1	77	4.1	692 548	5.7	2 911	2.5
Elk	145	.6	17 094	2.2	118	2.3	241 799	12.2	7 417	12.2
Erie	1 123	.5	167 634	.8	149	.9	290 328	5.1	70 314	6.8
Fayette	747	.6	108 612	1.1	145	1.3	223 180	7.3	37 513	12.9
Forest	34	.4	5 362	4.0	158	4.0	205 741	8.3	1 749	7.0
Franklin	1 304	.4	237 642	.5	182	.6	483 747	2.8	96 217	3.5
Fulton	449	.5	94 285	1.0	210	1.1	294 298	7.1	29 772	15.2
Greene	666	.6	130 926	1.0	197	1.1	173 628	8.1	22 588	7.2
Huntingdon	586	.5	124 857	.8	213	.9	362 404	5.8	31 444	5.8
Indiana	767	.6	138 522	1.0	181	1.1	261 817	9.4	38 587	6.5
Jefferson	436	.3	79 973	1.0	183	1.0	183 842	6.4	17 450	10.0
Juniata	611	.5	86 740	1.0	142	1.1	294 831	4.8	30 202	10.2
Lackawanna	238	.5	29 509	1.3	124	1.4	328 335	8.8	11 608	6.9
Lancaster	4 556	.5	391 836	.5	86	.7	472 172	1.9	234 999	2.6
Lawrence	621	.6	87 177	1.1	140	1.3	225 251	5.9	33 588	11.6
Lebanon	885	.3	110 638	.7	125	.7	499 719	2.8	61 437	5.7
Lehigh	425	.4	91 629	.8	216	.9	749 672	3.2	28 047	5.6
Luzerne	451	.5	57 317	1.2	127	1.3	308 334	7.0	21 709	9.3
Lycoming	841	.5	135 561	1.0	161	1.1	283 113	5.1	42 104	8.8
McKean	209	.6	39 045	2.1	187	2.2	184 627	14.5	5 061	11.7
Mercer	1 030	.5	166 616	.8	162	.9	247 504	6.2	46 053	5.6
Mifflin	619	.5	79 400	1.0	128	1.1	261 298	4.5	35 757	7.7
Monroe	176	.4	26 145	2.0	149	2.1	409 653	5.2	9 664	6.1
Montgomery	462	.6	41 552	1.4	90	1.6	499 612	6.5	23 510	7.6
Montour	259	.3	39 957	1.1	154	1.2	344 398	7.0	14 656	9.7
Northampton	396	.5	78 317	.9	198	1.1	642 019	4.7	27 200	15.7
Northumberland	596	.4	114 936	.7	193	.8	375 775	4.7	30 016	4.1
Perry	618	.3	114 882	.7	186	.8	347 269	5.3	29 381	5.7
Philadelphia	9	1.1	285	13.2	32	13.2	709 167	10.6	701	5.1
Pike	40	.3	5 566	1.2	139	1.2	523 320	4.6	1 556	3.0
Potter	292	.5	83 462	1.1	286	1.3	247 264	6.5	12 619	6.7
Schuylkill	605	.4	90 331	.9	149	1.0	358 698	3.9	38 203	6.8
Snyder	671	.5	92 751	1.0	138	1.1	268 620	5.0	27 502	7.2
Somerset	958	.4	206 298	.7	215	.9	273 898	7.2	56 906	6.6
Sullivan	123	.4	27 317	1.6	222	1.6	295 817	7.8	6 997	6.4
Susquehanna	703	.4	168 514	.9	240	1.0	328 769	8.3	33 725	8.3
Tioga	823	.5	202 169	.8	246	.9	260 342	4.7	37 741	5.7
Union	498	.5	63 247	1.2	127	1.3	363 321	4.7	25 183	6.2
Venango	351	.4	46 186	1.2	132	1.3	161 822	6.5	10 222	10.1
Warren	390	.4	64 498	1.2	165	1.2	163 996	10.3	14 102	11.0
Washington	1 307	.5	186 190	.8	142	1.0	265 800	5.8	51 513	6.8
Wayne	564	.5	109 615	1.0	194	1.1	331 220	5.3	26 644	7.4
Westmoreland	1 035	.6	147 823	.9	143	1.1	362 564	9.6	49 010	6.8
Wyoming	307	.5	61 001	1.3	199	1.4	281 864	8.6	15 165	6.9
York	1 698	.4	261 164	.6	154	.7	471 592	3.4	97 515	4.1

Geographic area	Average market value of all machinery and equipment per farm[1] Value (dollars)	Average market value of all machinery and equipment per farm[1] Relative standard error of estimate (percent)	Market value of agricultural products sold Total ($1,000)	Market value of agricultural products sold Relative standard error of estimate (percent)	Average market value of agricultural products sold per farm Value (dollars)	Average market value of agricultural products sold per farm Relative standard error of estimate (percent)	Farm production expenses[1] — Total farm production expenses — Farms Number	Farm production expenses[1] — Total farm production expenses — Farms Relative standard error of estimate (percent)	Farm production expenses[1] — Total farm production expenses — Value Total ($1,000)	Farm production expenses[1] — Total farm production expenses — Value Relative standard error of estimate (percent)
Pennsylvania	**53 219**	**1.1**	**3 997 565**	**.2**	**87 942**	**.5**	**45 429**	**.5**	**3 091 953**	**.3**
Adams	68 161	5.7	150 040	.2	152 480	.4	986	.5	128 939	.7
Allegheny	34 563	12.0	9 037	2.0	27 058	2.0	334	.9	4 788	6.9
Armstrong	47 001	6.4	40 773	.6	62 344	.8	654	.7	34 523	1.5

See footnotes at end of table.

Table F. **Reliability Estimates for the State and County Totals: 1997**—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]			
							Total farm production expenses			
							Farms		Value	
	Value (dollars)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Beaver	35 856	7.7	12 418	1.6	24 886	1.7	499	.9	8 944	3.6
Bedford	51 666	3.9	58 065	.7	61 575	.8	941	.6	43 063	1.9
Berks	71 435	3.1	247 789	.2	156 235	.5	1 583	.6	196 647	.6
Blair	57 479	4.7	51 001	.7	120 855	.9	422	.9	35 440	3.3
Bradford	50 529	4.4	96 969	.5	75 816	.7	1 280	.6	74 976	1.8
Bucks	54 194	5.9	69 717	.4	94 339	.6	738	.6	51 112	1.2
Butler	46 583	8.1	27 671	1.2	28 468	1.3	973	.7	22 137	4.9
Cambria	48 104	5.8	22 008	.9	41 921	1.0	524	.8	16 492	4.3
Cameron	26 557	4.7	228	.8	8 759	.9	26	3.6	239	1.8
Carbon	47 559	4.8	7 639	1.6	45 745	1.7	165	1.7	5 323	2.5
Centre	51 021	6.7	50 518	.9	64 109	1.1	787	.7	37 805	2.1
Chester	67 426	4.9	342 868	.2	240 778	.5	1 422	.6	270 495	.4
Clarion	52 304	7.5	16 527	1.4	36 164	1.4	456	.8	11 445	5.5
Clearfield	40 326	10.8	8 644	1.9	25 500	1.9	339	.9	6 609	9.5
Clinton	59 572	16.0	20 746	1.2	77 991	1.3	265	1.2	17 481	4.8
Columbia	55 400	7.3	38 239	.8	54 471	.9	695	1.2	32 884	2.2
Crawford	51 036	4.9	58 428	.8	54 656	.9	1 070	.7	42 166	2.9
Cumberland	57 268	4.6	84 519	.5	87 133	.7	971	.6	63 348	1.5
Dauphin	58 003	5.7	53 592	.5	85 747	.7	626	.7	45 359	1.7
Delaware	46 203	4.7	7 048	1.2	111 874	1.4	63	4.0	4 905	1.6
Elk	51 149	12.4	2 062	5.0	14 223	5.0	145	1.9	1 748	6.5
Erie	62 613	6.8	68 914	.6	61 366	.7	1 123	.6	48 731	1.7
Fayette	50 286	12.9	20 005	1.2	26 781	1.3	746	.8	14 621	7.8
Forest	51 448	8.2	1 011	7.3	29 743	7.3	34	4.3	1 048	8.5
Franklin	73 786	3.6	194 983	.3	149 527	.5	1 304	.5	149 239	.8
Fulton	66 456	15.2	21 185	1.2	47 183	1.3	448	.8	16 997	5.1
Greene	33 916	7.2	7 095	1.8	10 654	1.9	666	.8	7 682	5.4
Huntingdon	53 660	5.8	41 128	.7	70 184	.8	586	.8	32 264	3.3
Indiana	50 374	6.6	46 070	.7	60 065	.9	766	.8	33 476	2.6
Jefferson	40 116	10.1	15 820	1.2	36 285	1.3	435	.8	10 428	6.5
Juniata	49 512	10.2	63 814	.5	104 441	.7	610	.6	51 152	1.5
Lackawanna	48 977	7.0	11 123	1.3	46 736	1.4	237	1.3	8 517	4.8
Lancaster	51 580	2.7	766 743	.3	168 293	.6	4 556	.5	585 414	.5
Lawrence	54 087	11.6	25 396	1.2	40 895	1.3	621	.7	19 436	3.7
Lebanon	69 498	5.8	171 137	.3	193 376	.4	884	.5	135 514	1.0
Lehigh	66 148	5.7	56 719	.4	133 456	.6	424	.7	42 153	1.8
Luzerne	48 243	9.3	18 317	1.2	40 613	1.3	450	.8	12 493	5.7
Lycoming	50 184	8.8	43 191	.9	51 357	1.0	839	.7	33 148	2.4
McKean	24 098	11.7	4 281	3.7	20 483	3.8	210	1.2	3 271	12.0
Mercer	44 712	5.6	46 096	.8	44 753	1.0	1 030	.6	36 266	2.9
Mifflin	57 953	7.8	51 842	.7	83 751	.9	617	.6	34 584	2.0
Monroe	55 539	6.4	5 301	2.2	30 120	2.3	174	1.8	4 368	4.8
Montgomery	51 108	7.7	29 395	.8	63 625	1.0	460	.7	24 508	3.9
Montour	56 808	9.8	26 389	.6	101 890	.6	258	1.0	19 885	2.4
Northampton	68 861	15.8	28 593	.9	72 204	1.0	395	1.0	20 549	2.7
Northumberland	50 448	4.2	59 370	.5	99 613	.6	595	.6	49 379	1.5
Perry	47 619	5.8	58 647	.5	94 898	.6	617	.7	47 143	1.5
Philadelphia	77 911	7.6	773	4.8	85 864	5.0	9	5.7	551	2.6
Pike	38 900	4.3	1 385	2.0	34 625	2.0	40	3.0	1 185	2.7
Potter	43 214	6.7	19 780	1.1	67 738	1.2	292	1.1	13 094	3.3
Schuylkill	63 145	6.8	66 919	.4	110 609	.6	605	.7	54 338	1.3
Snyder	41 048	7.3	74 867	.5	111 575	.7	670	.7	58 880	1.7
Somerset	59 401	6.6	59 914	.7	62 541	.8	958	.6	45 678	2.1
Sullivan	57 356	6.7	7 063	1.4	57 424	1.5	122	2.0	6 184	3.2
Susquehanna	47 837	8.3	43 016	.9	61 190	1.0	705	.7	33 055	3.5
Tioga	45 803	5.7	47 317	.9	57 493	1.0	824	.7	34 087	3.0
Union	50 568	6.3	49 406	.8	99 208	1.0	498	.8	36 320	1.9
Venango	29 122	10.1	6 515	1.3	18 560	1.4	351	.6	5 694	10.7
Warren	36 158	11.1	14 631	1.4	37 516	1.5	390	.8	12 185	7.5
Washington	39 383	6.8	26 606	1.0	20 357	1.1	1 308	.7	22 235	3.5
Wayne	47 074	7.5	25 143	1.4	44 580	1.4	565	.8	18 707	5.0
Westmoreland	47 353	6.8	36 458	1.0	35 226	1.1	1 035	.7	26 925	3.7
Wyoming	49 239	7.0	30 042	.6	97 856	.7	308	1.0	18 388	2.3
York	57 362	4.1	128 620	.4	75 748	.6	1 700	.5	105 315	1.3

Farm production expenses[1]—Con.

Geographic area	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Pennsylvania	**16 075**	**1.4**	**290 987**	**1.0**	**26 901**	**.9**	**973 221**	**.4**	**29 112**	**.8**	**101 230**	**1.0**
Adams	267	11.6	11 885	2.0	459	8.0	43 591	1.4	618	5.2	3 954	3.0
Allegheny	56	28.4	457	24.7	120	18.9	418	9.5	142	13.4	229	13.5
Armstrong	130	16.3	517	7.5	288	8.5	2 630	10.3	362	7.8	621	11.9
Beaver	129	15.9	395	21.5	266	9.0	1 276	8.1	269	8.3	404	10.0

See footnotes at end of table.

Table F. **Reliability Estimates for the State and County Totals: 1997**—Con.

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

	Farm production expenses[1]—Con.											
	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Bedford	279	10.2	2 171	10.2	601	5.3	12 561	3.6	546	5.1	1 414	13.4
Berks	636	7.0	13 982	4.8	880	4.7	53 480	1.4	1 228	2.3	6 619	3.0
Blair	149	13.0	1 502	6.9	278	8.3	11 050	8.3	270	7.7	1 103	12.1
Bradford	529	8.3	7 498	8.1	1 004	3.6	27 395	2.7	736	5.1	1 440	7.0
Bucks	118	19.3	1 811	4.4	249	12.6	2 939	8.6	479	5.6	5 244	2.0
Butler	311	11.5	1 591	9.1	534	7.7	2 165	12.8	642	5.3	1 750	16.8
Cambria	142	16.7	926	10.9	229	11.6	2 306	7.5	390	6.8	969	4.1
Cameron	6	4.1	(D)	(D)	16	3.6	(D)	(D)	14	4.1	8	2.0
Carbon	45	11.1	133	20.7	58	9.5	321	12.6	118	4.1	1 026	.9
Centre	333	10.4	2 045	9.6	547	6.2	7 695	7.4	567	5.2	1 607	6.8
Chester	428	9.5	7 589	7.6	748	5.6	21 609	4.0	806	4.9	9 646	2.6
Clarion	125	18.4	484	11.7	250	9.8	2 314	13.3	237	10.5	463	12.4
Clearfield	119	17.3	367	25.7	181	11.9	1 363	24.8	186	10.8	364	22.8
Clinton	117	14.4	638	7.2	166	9.3	4 354	10.2	195	7.0	612	5.1
Columbia	207	12.0	2 115	21.3	274	9.4	5 456	5.2	427	5.5	2 238	3.9
Crawford	393	10.0	2 327	8.4	714	5.6	14 596	4.4	709	4.9	1 213	8.3
Cumberland	453	7.5	5 660	9.9	616	4.9	20 225	2.9	725	3.5	2 064	5.8
Dauphin	222	10.3	4 894	6.1	304	8.4	19 819	2.4	452	4.9	1 154	5.2
Delaware	10	9.4	48	15.6	15	7.7	121	5.7	30	5.7	222	8.5
Elk	38	12.9	66	16.5	91	6.6	303	18.1	80	6.8	53	13.0
Erie	268	13.0	2 404	7.9	506	8.1	5 851	7.9	527	6.5	2 589	20.5
Fayette	216	16.3	456	17.8	366	9.1	2 176	15.5	328	9.2	628	17.7
Forest	15	6.5	56	8.9	18	6.2	318	9.6	25	5.1	29	10.7
Franklin	562	6.9	9 905	5.0	904	3.8	62 771	1.6	966	3.2	3 384	7.8
Fulton	133	17.9	1 531	8.2	250	10.0	5 972	9.3	304	7.8	361	9.1
Greene	221	12.2	544	25.2	494	5.1	1 228	10.3	112	19.6	303	30.1
Huntingdon	244	10.4	2 383	18.0	429	4.7	8 690	3.9	424	4.1	756	3.9
Indiana	216	14.5	1 321	20.4	403	7.6	3 406	11.4	489	5.0	1 897	4.7
Jefferson	117	18.1	513	29.7	216	9.2	1 266	10.5	276	7.8	1 360	2.9
Juniata	204	13.2	6 339	4.0	354	6.0	26 086	1.6	464	3.6	906	8.5
Lackawanna	51	14.8	514	33.5	108	9.4	1 642	15.3	99	12.1	558	4.9
Lancaster	2 471	3.0	96 855	1.8	3 415	1.4	275 474	.7	3 771	1.3	10 043	2.2
Lawrence	217	12.2	1 067	4.0	410	7.0	4 195	10.7	391	5.5	957	17.4
Lebanon	469	7.4	17 811	4.2	691	3.8	67 275	.7	657	3.9	2 360	3.3
Lehigh	49	28.2	1 225	1.2	121	18.0	9 828	.5	291	5.9	3 678	2.3
Luzerne	102	21.2	570	22.7	173	15.0	2 050	19.1	272	8.5	671	10.2
Lycoming	188	15.1	3 434	5.2	365	8.2	7 832	8.5	572	5.3	1 281	5.6
McKean	78	17.8	193	31.1	145	9.1	929	25.0	71	14.9	73	12.5
Mercer	340	10.1	1 770	16.9	623	5.5	6 139	5.4	705	4.2	1 508	7.0
Mifflin	355	7.2	4 843	2.8	458	5.0	12 153	4.2	514	2.3	934	14.4
Monroe	44	12.0	223	9.8	72	8.9	398	13.4	84	7.1	193	9.1
Montgomery	108	17.3	2 426	22.7	230	10.7	3 937	4.2	316	5.7	1 578	8.6
Montour	99	12.0	1 231	12.4	95	15.0	2 219	6.9	193	4.6	2 118	3.1
Northampton	101	18.4	640	13.2	147	13.9	1 804	1.7	290	5.1	1 447	3.8
Northumberland	237	11.2	5 997	5.4	293	9.1	14 821	2.7	431	5.0	2 205	12.3
Perry	226	11.5	5 322	3.6	335	7.9	23 038	1.9	389	5.3	792	4.9
Philadelphia	2	17.8	(D)	(D)	2	17.8	(D)	(D)	5	–	31	–
Pike	10	6.6	23	.5	15	5.6	87	9.0	14	5.2	41	1.3
Potter	116	14.4	729	7.9	181	7.4	4 060	7.9	131	11.7	296	2.8
Schuylkill	117	12.8	7 529	.9	220	12.8	22 406	.7	442	4.9	1 514	4.3
Snyder	346	8.8	7 792	4.1	460	6.2	29 102	2.9	480	5.1	897	8.9
Somerset	287	10.9	2 876	8.6	645	4.7	12 714	4.7	579	4.9	1 632	4.4
Sullivan	53	11.2	511	11.6	77	6.6	2 028	3.4	62	7.9	111	6.5
Susquehanna	223	13.3	4 902	4.2	524	4.2	11 188	4.4	292	10.5	308	8.1
Tioga	280	10.7	3 288	8.3	568	4.9	11 064	4.6	485	5.7	630	6.2
Union	239	10.9	5 169	5.4	298	7.5	16 031	2.7	382	3.0	945	6.0
Venango	131	15.9	371	36.4	244	8.4	1 309	11.8	209	10.3	181	15.0
Warren	149	15.4	1 275	20.7	236	9.0	3 778	11.8	162	16.1	212	6.4
Washington	428	9.9	1 434	17.0	834	4.6	4 135	9.4	433	9.3	951	5.4
Wayne	110	18.0	959	11.8	360	6.1	6 646	8.4	242	10.5	225	22.7
Westmoreland	306	12.0	2 096	8.8	609	6.6	3 523	7.5	681	4.6	1 594	4.0
Wyoming	95	15.2	2 213	8.4	168	8.4	3 859	4.7	154	8.7	413	4.7
York	610	6.4	11 119	2.6	951	4.0	31 726	1.5	1 170	3.2	4 218	3.6

	Farm production expenses[1]—Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Pennsylvania	**30 482**	**.8**	**109 826**	**1.0**	**26 899**	**.9**	**77 519**	**1.3**	**43 493**	**.5**	**112 649**	**.7**
Adams	647	5.3	3 828	8.7	575	5.0	5 059	5.2	961	1.3	3 254	2.3
Allegheny	169	12.6	183	14.1	120	15.2	92	15.3	290	5.9	402	15.6
Armstrong	397	7.1	1 508	6.6	313	7.7	550	5.7	653	.7	1 695	2.9
Beaver	294	8.0	422	11.0	225	10.5	337	27.5	471	2.5	532	5.7

See footnotes at end of table.

Table F. **Reliability Estimates for the State and County Totals: 1997**—Con.

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

	Farm production expenses[1]—Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Bedford	615	4.6	2 012	4.9	494	5.8	1 476	5.0	937	.6	2 147	4.1
Berks	1 182	2.6	5 947	4.9	1 184	2.5	4 729	6.0	1 543	.9	6 825	2.8
Blair	312	6.6	1 480	7.5	270	7.8	1 389	10.0	402	3.0	1 133	6.2
Bradford	733	5.1	2 263	7.5	603	6.2	921	10.2	1 239	1.5	3 195	4.4
Bucks	444	5.6	2 846	6.0	446	5.7	1 807	6.6	704	2.1	3 303	2.4
Butler	687	5.3	1 638	11.0	569	6.1	713	10.9	936	1.5	1 575	11.0
Cambria	414	5.9	1 436	7.8	336	7.6	897	7.5	492	3.0	1 160	4.5
Cameron	14	4.1	12	1.4	11	4.6	7	5.7	25	3.7	17	3.9
Carbon	115	4.0	343	8.7	110	4.7	201	3.5	151	2.7	241	4.1
Centre	579	5.1	2 330	5.9	496	5.6	1 942	8.1	786	.7	1 845	4.3
Chester	933	4.1	5 505	3.8	893	4.4	3 676	3.4	1 289	2.1	8 804	1.7
Clarion	282	8.8	614	8.6	231	10.7	349	2.6	441	2.2	602	5.8
Clearfield	205	9.9	420	19.0	164	12.3	249	21.3	339	.9	442	8.9
Clinton	194	7.0	853	10.7	187	7.7	642	9.2	248	3.5	738	5.7
Columbia	446	4.9	2 135	9.0	429	5.4	1 523	6.9	686	1.5	1 892	4.3
Crawford	732	4.8	1 984	6.4	603	6.1	997	10.5	981	2.5	1 880	5.0
Cumberland	692	3.5	3 125	4.9	608	4.6	2 421	5.3	902	2.0	2 286	7.0
Dauphin	420	5.7	1 281	5.0	374	6.5	1 159	4.8	576	3.2	1 083	5.2
Delaware	38	5.0	90	2.0	40	5.0	86	1.3	57	4.2	292	3.0
Elk	101	4.7	92	11.1	55	10.7	34	18.9	136	2.8	112	7.7
Erie	789	4.1	3 229	5.3	656	5.3	2 499	5.4	1 081	1.5	2 374	5.6
Fayette	381	8.1	973	12.3	289	9.6	387	18.2	718	1.6	1 162	6.9
Forest	27	4.8	63	8.3	20	5.5	17	10.8	32	4.5	65	10.0
Franklin	922	3.8	4 872	6.0	883	3.7	4 560	9.0	1 240	1.5	3 884	3.2
Fulton	339	6.7	839	11.1	230	10.0	319	7.8	442	1.6	659	6.4
Greene	222	13.7	287	32.8	103	19.8	50	10.1	625	2.6	655	10.8
Huntingdon	458	3.9	1 229	4.8	360	6.3	988	3.8	584	.8	1 336	6.9
Indiana	513	4.9	1 814	11.0	482	6.3	1 426	11.5	750	1.5	1 903	5.6
Jefferson	299	7.2	569	10.5	183	12.1	144	8.7	409	2.8	618	6.7
Juniata	450	3.4	1 171	13.5	428	5.0	809	6.5	580	2.2	1 249	8.9
Lackawanna	117	10.0	219	9.1	92	14.0	161	8.9	236	1.3	340	6.6
Lancaster	3 622	1.5	9 636	2.9	3 635	1.6	7 318	2.2	4 451	.7	11 271	2.2
Lawrence	429	5.4	1 406	8.8	395	6.2	1 002	37.7	575	2.8	852	6.4
Lebanon	545	5.8	1 996	4.1	601	4.9	1 850	4.0	845	1.7	2 951	4.1
Lehigh	302	5.7	3 005	6.2	315	5.2	1 924	10.9	402	2.5	2 295	3.0
Luzerne	247	9.8	807	8.8	255	9.8	757	7.3	428	2.7	752	6.5
Lycoming	629	3.5	2 606	9.3	538	5.3	1 179	7.5	817	1.7	1 636	4.9
McKean	111	11.4	142	12.9	64	18.1	31	16.2	210	1.2	221	10.0
Mercer	760	3.7	2 213	6.6	633	4.8	1 157	9.8	1 000	1.5	2 496	4.5
Mifflin	499	3.9	1 635	8.1	513	2.4	919	6.3	587	2.1	1 191	5.8
Monroe	110	5.4	364	10.1	94	6.4	232	18.5	159	2.9	256	5.6
Montgomery	336	5.3	1 246	15.1	302	7.4	943	18.0	452	1.8	1 191	6.1
Montour	196	5.0	931	11.1	163	7.2	444	12.1	243	2.8	1 607	2.8
Northampton	282	5.7	2 709	3.6	296	5.5	1 578	4.7	395	1.0	1 507	5.4
Northumberland	421	4.5	2 421	4.6	418	5.4	2 291	6.5	578	1.8	2 445	7.9
Perry	384	5.5	1 182	6.8	345	7.3	857	6.6	588	2.0	1 335	9.3
Philadelphia	7	5.1	26	3.2	5	7.1	12	2.0	7	5.1	41	.6
Pike	22	3.3	41	3.9	15	5.5	29	2.7	37	3.1	64	2.9
Potter	123	12.2	461	5.9	83	15.5	250	1.8	261	4.4	578	8.4
Schuylkill	467	2.7	1 915	5.4	431	5.0	1 619	10.4	585	1.4	1 952	2.9
Snyder	487	5.4	1 311	8.9	451	5.9	918	8.5	644	2.0	1 617	6.6
Somerset	660	4.7	2 755	4.6	497	6.2	1 287	16.7	903	1.8	2 375	3.8
Sullivan	76	5.7	230	2.6	53	9.9	83	12.0	119	2.7	278	3.1
Susquehanna	338	8.9	763	11.5	257	12.2	295	15.8	673	1.8	1 306	6.5
Tioga	457	6.5	1 037	8.2	322	8.2	412	8.9	799	1.2	1 714	4.9
Union	383	3.6	1 174	8.5	380	4.6	910	10.2	448	3.8	1 157	5.5
Venango	253	6.9	374	14.3	180	13.0	149	33.3	331	2.8	327	8.3
Warren	223	10.0	445	11.7	129	19.0	233	16.2	336	4.9	514	10.8
Washington	533	7.8	695	10.1	419	8.8	309	14.1	1 221	1.7	1 724	6.0
Wayne	289	9.1	553	20.6	233	11.3	178	11.9	554	1.5	909	7.0
Westmoreland	724	4.0	1 411	9.2	530	6.4	718	8.1	999	1.3	1 594	6.0
Wyoming	184	8.0	459	8.6	171	9.4	238	5.6	303	1.8	547	7.6
York	1 221	3.0	6 263	4.4	1 114	3.4	4 783	3.4	1 601	1.5	4 245	3.5

	Farm production expenses[1]—Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Pennsylvania .	**33 505**	**.7**	**78 885**	**.7**	**14 055**	**1.5**	**362 811**	**.5**	**3 031**	**3.8**	**27 369**	**1.7**
Adams	798	3.6	2 085	2.5	362	9.2	20 964	1.6	53	22.1	470	1.5
Allegheny	170	11.5	108	13.7	109	19.9	575	10.8	10	55.5	34	24.8
Armstrong	435	5.9	1 060	2.2	129	17.4	8 583	.9	22	37.8	(D)	(D)
Beaver	356	5.3	289	6.5	129	17.0	699	7.2	13	58.7	15	20.2

See footnotes at end of table.

Table F. Reliability Estimates for the State and County Totals: 1997—Con.

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

Geographic area	Electricity — Farms Number	Electricity — Farms Relative standard error of estimate (percent)	Electricity — Value Total ($1,000)	Electricity — Value Relative standard error of estimate (percent)	Hired farm labor — Farms Number	Hired farm labor — Farms Relative standard error of estimate (percent)	Hired farm labor — Value Total ($1,000)	Hired farm labor — Value Relative standard error of estimate (percent)	Contract labor — Farms Number	Contract labor — Farms Relative standard error of estimate (percent)	Contract labor — Value Total ($1,000)	Contract labor — Value Relative standard error of estimate (percent)
Bedford	745	3.8	1 401	3.2	301	9.3	3 798	7.8	66	25.8	236	31.6
Berks	1 211	3.3	6 573	1.4	540	7.6	38 176	2.0	72	15.5	3 381	.3
Blair	333	5.9	987	5.8	182	13.3	3 679	3.9	32	22.3	184	6.0
Bradford	993	3.3	2 685	4.0	389	9.1	4 930	7.4	93	22.9	396	21.2
Bucks	469	6.8	1 131	4.3	257	10.9	15 040	1.0	52	22.5	377	7.5
Butler	737	4.6	552	5.9	222	14.4	2 159	15.9	63	32.8	66	16.7
Cambria	379	7.3	366	7.2	187	14.2	2 187	6.4	35	38.3	36	27.0
Cameron	15	4.5	7	1.3	4	6.2	1	2.2	1	–	(D)	(D)
Carbon	108	4.7	103	6.0	42	9.8	1 023	1.6	11	24.9	15	38.0
Centre	640	4.1	1 017	5.5	255	9.7	3 752	5.9	61	27.0	202	26.3
Chester	1 034	3.5	13 585	1.0	717	6.0	84 943	.5	235	12.6	8 408	2.0
Clarion	283	7.5	274	10.0	134	18.1	1 206	3.5	3	6.8	(D)	(D)
Clearfield	191	10.8	171	12.8	60	24.2	438	13.2	12	54.3	11	26.4
Clinton	181	7.6	385	7.0	84	18.0	2 074	6.5	18	44.9	31	17.5
Columbia	482	5.3	792	3.2	201	12.4	4 704	1.5	28	28.7	277	1.8
Crawford	805	4.3	1 290	5.7	287	12.0	2 654	8.9	68	28.3	237	22.8
Cumberland	745	3.5	1 558	5.2	244	11.1	4 054	2.9	17	41.1	110	12.6
Dauphin	437	4.2	835	4.7	208	13.2	2 862	20.7	46	38.2	79	26.5
Delaware	41	4.5	166	2.7	31	4.8	1 949	.8	4	9.5	47	5.4
Elk	89	6.1	47	8.4	20	16.4	109	19.8	2	88.2	(D)	(D)
Erie	854	3.8	1 056	5.0	441	7.5	9 530	2.1	190	16.6	652	20.8
Fayette	395	8.1	400	13.2	146	19.0	1 555	6.5	21	38.3	15	44.8
Forest	26	5.0	37	9.5	8	10.0	77	13.8	–	–	–	–
Franklin	1 065	2.8	3 058	3.2	575	6.7	13 225	4.6	104	21.7	952	3.6
Fulton	336	6.3	428	10.0	79	22.1	789	1.2	26	49.6	38	53.0
Greene	396	7.1	160	12.3	88	22.8	432	30.0	41	33.2	61	45.9
Huntingdon	448	4.3	889	5.4	189	12.0	3 147	6.1	42	32.4	80	46.8
Indiana	564	4.9	594	5.3	265	10.1	7 749	3.2	97	23.9	558	17.8
Jefferson	310	6.0	378	9.4	126	17.2	1 547	6.1	17	53.9	22	50.3
Juniata	437	5.1	1 010	8.0	169	14.6	1 954	8.2	33	41.3	77	7.7
Lackawanna	161	5.8	337	10.8	96	12.2	1 394	9.7	3	–	(D)	(D)
Lancaster	3 742	1.6	10 381	1.7	1 823	4.1	31 285	2.5	347	9.9	2 589	2.6
Lawrence	449	4.9	563	4.8	152	14.8	1 346	12.8	38	36.2	136	34.4
Lebanon	731	3.3	2 524	3.1	345	8.9	6 516	2.8	52	24.7	379	4.0
Lehigh	313	6.2	694	3.4	98	15.1	5 475	3.0	13	50.5	(D)	(D)
Luzerne	308	7.6	282	11.5	143	14.6	2 232	6.3	36	32.2	197	9.7
Lycoming	615	4.9	783	5.5	202	13.8	2 501	5.9	60	29.9	189	10.8
McKean	151	6.9	98	21.2	43	23.3	196	3.6	6	75.6	3	87.0
Mercer	755	4.1	1 233	16.1	304	10.6	4 260	8.4	83	25.0	393	50.3
Mifflin	467	4.7	814	5.8	159	14.1	1 761	2.6	20	46.6	82	8.8
Monroe	114	5.4	104	5.2	40	12.3	565	8.5	4	33.3	10	26.1
Montgomery	312	8.0	581	7.0	191	11.5	4 227	4.6	32	37.9	207	13.3
Montour	168	7.0	341	8.2	56	19.5	5 560	.3	29	31.9	55	17.1
Northampton	321	5.0	525	6.1	92	15.7	1 554	9.8	5	81.4	(D)	(D)
Northumberland	427	5.5	1 043	4.6	183	11.3	4 656	5.9	27	32.5	164	2.1
Perry	457	5.1	833	4.9	122	15.1	1 813	1.1	58	25.9	216	28.4
Philadelphia	6	5.9	10	10.4	8	6.4	199	.1	–	–	–	–
Pike	23	4.3	42	3.2	14	4.9	350	3.9	4	12.7	(D)	(D)
Potter	245	4.0	332	5.9	87	17.7	1 340	1.3	17	13.3	40	1.7
Schuylkill	397	5.7	973	2.6	173	11.8	4 753	6.4	33	33.4	353	42.7
Snyder	478	5.6	1 076	6.3	236	12.3	3 472	3.1	51	25.6	444	12.5
Somerset	749	3.0	1 340	4.1	354	9.1	4 279	5.5	89	23.7	277	11.3
Sullivan	92	5.5	199	3.2	43	11.4	404	3.1	6	–	55	–
Susquehanna	548	4.3	1 117	8.3	252	11.8	1 884	9.0	32	36.0	112	10.6
Tioga	605	4.0	1 175	4.7	287	10.1	1 984	12.0	69	26.1	270	65.8
Union	393	4.5	772	7.0	131	17.9	884	11.1	24	35.8	31	14.8
Venango	218	8.7	202	16.3	63	22.9	164	47.2	27	46.6	32	51.1
Warren	315	5.1	329	10.9	40	20.7	685	.8	16	58.4	36	28.0
Washington	778	5.1	572	6.0	169	15.8	2 055	7.0	88	23.8	261	55.7
Wayne	467	3.9	745	5.3	178	13.8	841	14.8	9	43.8	16	31.3
Westmoreland	755	4.4	817	13.1	158	16.9	3 958	5.2	59	34.7	62	22.5
Wyoming	265	3.7	475	8.5	119	10.8	2 369	5.4	20	31.3	(D)	(D)
York	1 172	3.8	2 098	2.6	514	8.8	7 285	4.7	86	22.6	611	18.2

Farm production expenses[1]—Con.

Geographic area	Repair and maintenance — Farms Number	Repair and maintenance — Farms Relative standard error of estimate (percent)	Repair and maintenance — Value Total ($1,000)	Repair and maintenance — Value Relative standard error of estimate (percent)	Customwork, machine hire, and rental of machinery and equipment — Farms Number	Customwork — Farms Relative standard error of estimate (percent)	Customwork — Value Total ($1,000)	Customwork — Value Relative standard error of estimate (percent)	Interest — Farms Number	Interest — Farms Relative standard error of estimate (percent)	Interest — Value Total ($1,000)	Interest — Value Relative standard error of estimate (percent)
Pennsylvania	**39 966**	**.6**	**202 042**	**.8**	**14 864**	**1.5**	**39 183**	**1.4**	**17 169**	**1.3**	**146 763**	**1.2**
Adams	868	2.9	5 908	2.8	411	8.5	1 082	9.1	403	8.8	4 232	5.4
Allegheny	292	5.1	597	24.2	14	34.4	18	23.4	36	33.6	135	17.5
Armstrong	528	4.7	3 008	3.8	113	13.9	(D)	(D)	156	15.1	743	12.5
Beaver	439	3.9	1 202	7.3	65	21.1	63	13.7	160	12.8	851	15.9

See footnotes at end of table.

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

	Farm production expenses[1]—Con.											
	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Bedford	819	2.8	3 423	3.3	222	10.8	517	7.6	320	8.3	3 062	7.3
Berks	1 424	1.8	10 890	2.4	697	6.5	1 722	5.8	755	5.4	8 134	6.6
Blair	367	4.2	2 673	6.9	147	13.4	721	4.0	213	11.8	2 674	11.4
Bradford	1 202	1.9	5 781	5.5	361	10.7	717	7.2	640	6.0	4 172	7.1
Bucks	644	3.7	4 069	4.2	127	18.1	425	11.7	209	12.4	1 585	5.0
Butler................	881	2.5	3 064	12.1	232	14.8	241	18.5	318	12.0	1 027	16.4
Cambria	458	4.7	1 502	7.3	89	24.1	118	8.5	148	15.8	931	13.5
Cameron..............	18	3.8	24	1.8	6	8.4	(D)	(D)	8	4.1	27	3.8
Carbon	138	2.8	535	4.6	32	12.2	47	16.1	44	10.2	213	11.9
Centre	683	3.6	3 937	5.4	313	9.6	742	13.4	377	8.6	2 782	9.4
Chester	1 234	2.3	14 327	2.6	630	6.0	4 549	2.2	529	6.5	8 264	4.4
Clarion...............	368	5.9	1 253	7.8	102	20.0	(D)	(D)	177	13.9	765	13.7
Clearfield	315	3.9	767	9.9	40	32.4	81	59.0	86	18.0	311	16.8
Clinton...............	226	5.5	1 495	9.5	93	16.3	180	15.0	116	13.4	1 169	11.8
Columbia	582	3.8	2 616	5.6	222	11.7	525	10.1	251	10.7	2 286	7.5
Crawford..............	977	2.4	3 730	6.3	355	11.1	563	9.7	424	8.1	2 399	7.5
Cumberland	834	3.2	5 003	6.1	412	9.1	1 464	10.6	387	7.9	4 052	7.2
Dauphin	521	3.6	2 618	7.6	225	11.0	491	7.8	253	10.4	2 350	7.9
Delaware	48	4.5	439	3.1	13	7.4	36	3.8	14	6.9	125	1.4
Elk	119	3.9	272	9.6	14	25.6	(D)	(D)	32	13.9	98	21.5
Erie	998	2.7	3 980	4.0	295	9.4	650	8.1	402	8.6	3 046	9.3
Fayette	626	4.2	1 662	9.1	101	26.3	313	49.4	142	20.8	535	13.0
Forest	31	4.4	106	8.7	6	10.5	10	6.6	15	6.3	47	6.0
Franklin..............	1 183	2.1	9 288	3.1	717	4.9	2 300	4.6	680	5.8	8 389	5.4
Fulton	409	3.7	1 816	11.8	178	14.7	237	19.0	178	14.0	979	10.8
Greene	555	4.3	943	8.5	77	26.6	65	42.3	200	12.7	787	18.0
Huntingdon............	525	3.1	2 744	5.1	203	11.1	371	11.2	252	9.7	2 545	9.3
Indiana	663	3.3	2 772	8.4	167	15.3	345	10.8	216	10.8	1 232	8.5
Jefferson.............	378	4.3	1 379	21.2	115	18.3	124	9.6	116	15.8	444	16.1
Juniata	550	3.1	2 934	6.4	257	11.4	357	8.8	342	7.8	2 019	10.3
Lackawanna...........	213	3.6	581	9.7	21	27.8	(D)	(D)	66	14.6	433	12.5
Lancaster	4 120	1.3	25 840	2.1	2 620	2.9	7 699	3.2	2 288	3.4	25 324	3.3
Lawrence	526	3.9	1 832	8.8	175	13.8	288	13.8	174	14.8	1 194	14.6
Lebanon	844	1.9	5 661	3.8	449	7.6	1 766	5.8	464	7.1	6 201	6.7
Lehigh	388	3.2	3 387	3.5	84	22.4	(D)	(D)	99	16.5	1 234	3.6
Luzerne..............	382	4.7	996	10.2	85	21.2	174	20.4	75	21.9	374	8.3
Lycoming	741	3.0	2 853	7.1	232	14.8	675	12.0	286	11.3	2 099	11.6
McKean...............	184	3.4	283	16.1	20	42.4	29	64.0	54	21.6	272	28.8
Mercer...............	939	2.4	3 891	7.3	321	11.5	530	22.2	347	9.5	1 799	13.5
Mifflin................	522	3.2	2 397	11.2	248	10.9	711	14.2	260	10.3	1 788	11.3
Monroe	143	4.0	386	7.7	32	16.4	41	19.1	31	14.5	238	8.3
Montgomery...........	389	4.9	1 642	11.6	130	17.7	226	10.8	126	14.3	839	13.4
Montour	237	2.9	1 437	6.9	93	14.9	331	11.9	96	13.9	714	9.0
Northampton	366	2.9	1 833	4.4	80	22.0	(D)	(D)	134	15.0	1 375	11.6
Northumberland........	502	4.2	2 636	3.5	220	10.6	874	17.5	259	10.1	2 899	9.5
Perry	511	4.5	2 754	6.1	209	11.8	718	9.2	227	10.7	1 918	7.8
Philadelphia	7	5.1	27	6.6	–	–	–	–	5	7.1	57	.2
Pike	34	3.1	103	2.1	3	–	(D)	(D)	15	5.0	59	3.4
Potter	239	4.3	999	4.6	33	25.4	106	7.9	95	15.5	873	7.3
Schuylkill.............	524	4.2	2 967	7.4	202	14.6	446	10.3	188	13.1	2 018	6.4
Snyder................	625	2.5	2 785	6.1	238	12.3	422	19.2	279	9.9	2 142	8.2
Somerset	832	2.7	3 701	5.0	330	9.4	869	7.3	353	8.7	2 635	7.1
Sullivan	111	3.1	509	4.2	29	14.4	60	7.1	58	8.1	478	6.2
Susquehanna..........	626	3.5	2 668	11.6	183	14.1	232	9.1	289	10.1	1 831	11.6
Tioga	708	2.9	2 726	5.3	246	11.7	343	12.6	351	8.3	2 436	8.5
Union................	430	3.7	2 288	5.2	300	7.1	484	10.3	235	7.0	1 954	10.8
Venango	299	5.5	632	10.0	98	22.0	35	23.4	107	17.5	509	29.3
Warren	325	6.5	1 138	8.3	67	29.0	113	14.4	133	18.5	848	18.7
Washington	1 153	2.6	3 043	9.0	172	16.6	265	19.4	281	12.3	1 334	12.1
Wayne................	486	3.8	1 719	9.1	94	21.8	128	20.8	216	12.2	1 184	12.4
Westmoreland	901	2.6	2 828	6.1	216	14.6	239	16.7	228	12.9	1 281	14.1
Wyoming..............	246	5.4	1 419	6.0	56	20.8	(D)	(D)	105	14.1	799	5.5
York.................	1 510	2.3	7 318	3.6	527	8.5	1 367	10.3	646	7.5	5 215	6.7

	Farm production expenses[1]—Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Pennsylvania .	**13 593**	**1.5**	**78 824**	**1.6**	**41 605**	**.6**	**114 732**	**.9**	**41 408**	**.6**	**375 913**	**.5**
Adams................	315	9.8	2 520	6.6	893	2.4	2 653	4.1	910	2.2	17 453	.8
Allegheny	11	50.5	62	10.7	325	1.7	763	13.2	304	4.4	715	6.8
Armstrong.............	136	16.1	928	4.2	606	2.6	1 281	5.3	535	4.6	10 888	2.2
Beaver...............	50	24.5	105	19.4	478	1.9	1 117	6.7	463	3.1	1 236	7.3

See footnotes at end of table.

USDA, National Agricultural Statistics Service

Table F. **Reliability Estimates for the State and County Totals: 1997**—Con.

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

	Farm production expenses[1]—Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Bedford	212	10.6	1 256	12.7	865	2.4	2 074	5.3	820	2.6	5 516	2.8
Berks	585	6.7	3 876	7.2	1 421	1.9	6 023	3.6	1 497	1.5	26 291	1.5
Blair	128	17.2	913	13.9	402	3.5	1 020	5.3	396	2.8	4 933	6.5
Bradford	466	7.8	1 812	16.3	1 178	2.2	2 533	3.9	1 172	2.2	9 238	3.8
Bucks	218	11.1	1 300	8.2	655	2.8	2 575	5.1	644	3.2	6 660	2.3
Butler	272	11.0	553	38.5	939	1.8	2 049	5.7	888	2.6	2 995	12.5
Cambria	144	16.6	434	10.7	513	1.6	905	7.8	438	4.9	2 319	11.1
Cameron	2	–	(D)	(D)	26	3.6	36	4.1	21	3.9	30	2.9
Carbon	57	7.9	101	5.9	153	2.5	424	5.6	149	2.6	597	3.3
Centre	259	11.7	1 391	15.9	741	2.4	2 085	9.3	758	2.0	4 433	4.6
Chester	517	7.4	6 239	5.5	1 226	2.6	6 998	3.9	1 356	1.4	66 351	.4
Clarion	126	16.5	249	5.5	441	2.1	919	11.9	412	3.9	1 789	5.0
Clearfield	99	15.5	122	26.2	337	.9	582	5.7	274	6.1	922	9.4
Clinton	95	17.0	814	15.2	234	4.9	775	8.0	249	3.3	2 720	7.4
Columbia	203	12.4	1 235	6.3	669	2.0	1 290	3.9	611	3.0	3 800	4.8
Crawford	315	9.7	887	18.9	994	2.3	2 056	4.8	985	2.1	5 352	5.7
Cumberland	323	9.8	2 512	11.6	838	3.5	2 108	4.9	859	2.3	6 704	5.2
Dauphin	214	11.1	1 228	5.4	571	3.0	1 771	5.9	555	3.4	3 736	4.4
Delaware	8	11.1	50	1.7	56	4.1	276	6.6	50	4.4	960	1.3
Elk	12	27.4	11	25.2	143	2.3	258	8.2	131	3.4	266	7.3
Erie	234	13.2	1 306	9.2	1 107	1.1	2 910	4.1	1 030	2.3	6 654	4.4
Fayette	145	17.6	235	14.1	746	.8	1 041	6.3	639	3.7	3 084	5.5
Forest	7	11.5	5	12.1	33	4.2	58	5.4	33	4.2	160	10.0
Franklin	604	5.8	4 479	4.7	1 121	2.7	3 458	4.1	1 231	1.6	14 714	1.6
Fulton	112	12.9	290	16.4	413	3.7	980	7.2	413	3.5	1 759	7.4
Greene	66	27.3	120	35.7	623	2.6	1 178	7.0	546	4.6	869	7.8
Huntingdon	166	12.5	1 008	7.5	550	2.4	1 227	4.6	543	2.1	4 871	3.0
Indiana	181	14.6	574	14.2	710	2.4	1 811	7.8	697	2.8	6 073	3.2
Jefferson	69	21.4	150	14.5	426	2.0	711	8.5	372	4.4	1 202	6.8
Juniata	196	13.6	971	15.1	561	3.3	994	6.2	554	2.9	4 278	5.9
Lackawanna	52	18.8	291	6.9	228	2.1	589	7.5	222	3.3	1 395	9.7
Lancaster	1 763	4.2	13 396	4.6	3 800	1.6	14 621	2.9	4 382	.8	43 682	1.5
Lawrence	182	13.2	548	23.0	595	2.1	1 188	5.5	572	2.8	2 861	6.6
Lebanon	392	7.5	3 732	10.4	724	4.0	3 472	4.8	839	2.1	11 020	2.9
Lehigh	175	11.9	1 755	6.2	389	3.5	1 400	6.9	388	3.2	4 586	2.5
Luzerne	81	23.7	190	12.3	436	2.0	951	7.9	416	3.3	1 489	5.5
Lycoming	238	11.5	1 032	12.6	797	2.0	1 907	5.3	741	2.8	3 140	9.0
McKean	14	49.9	31	45.4	201	2.9	383	9.5	195	3.9	386	14.2
Mercer	253	12.3	574	8.8	968	2.0	1 919	5.3	940	2.4	6 385	3.6
Mifflin	220	11.1	1 140	16.1	526	4.2	1 164	6.0	584	2.1	3 052	4.6
Monroe	43	12.2	117	6.9	162	2.8	611	10.1	146	3.6	631	4.6
Montgomery	158	12.0	798	22.1	436	2.5	1 657	12.4	400	3.7	3 010	3.2
Montour	78	15.6	397	15.1	257	1.0	475	5.9	224	3.9	2 025	4.1
Northampton	140	14.2	1 528	10.1	352	3.9	1 478	7.8	380	2.1	2 329	7.1
Northumberland	197	11.0	1 524	9.4	565	2.5	1 186	4.8	567	2.2	4 219	2.4
Perry	153	13.1	1 088	12.9	587	2.1	1 691	6.7	579	2.3	3 587	5.8
Philadelphia	–	–	–	–	6	–	40	–	8	6.4	62	2.8
Pike	5	5.9	(D)	(D)	39	3.1	116	3.9	35	3.4	181	2.7
Potter	58	19.4	270	4.5	279	2.5	627	6.0	275	2.4	2 131	5.6
Schuylkill	231	10.5	1 037	4.0	505	4.5	1 320	7.0	540	3.5	3 535	5.5
Snyder	239	11.8	1 006	10.5	604	3.4	1 263	6.8	628	2.1	4 633	3.7
Somerset	351	8.7	1 286	8.3	905	2.1	1 934	5.6	868	2.3	5 718	5.2
Sullivan	33	11.1	49	3.8	119	2.4	306	4.2	107	3.9	881	3.8
Susquehanna	214	12.2	418	6.7	675	2.0	1 584	6.5	645	2.3	4 447	9.4
Tioga	242	8.4	583	16.4	789	2.0	1 785	5.5	743	2.6	4 639	6.4
Union	192	12.6	951	10.2	443	4.1	1 033	16.3	463	2.5	2 536	7.4
Venango	60	21.0	25	21.0	340	2.4	553	9.4	264	7.1	829	16.0
Warren	60	29.4	108	14.3	376	2.3	677	5.7	333	4.8	1 794	6.8
Washington	159	16.9	318	22.1	1 210	2.1	2 397	4.3	1 142	2.4	2 744	4.6
Wayne	147	14.8	502	24.6	514	3.6	1 389	7.5	529	2.7	2 711	7.5
Westmoreland	223	13.7	557	12.9	968	2.1	2 523	8.9	911	2.6	3 723	7.4
Wyoming	78	17.0	360	6.3	294	2.6	1 129	3.7	252	4.5	2 803	2.6
York	615	7.3	5 460	4.5	1 522	2.1	4 425	5.6	1 555	1.7	9 181	3.7

| | Net cash return from agricultural sales for the farm unit (see text)[1] | | | | Total cropland | | | | Harvested cropland | | | |
| | Farms | | Value | | Farms | | Acres | | Farms | | Acres | |
Geographic area	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Pennsylvania	**45 437**	**.5**	**747 503**	**1.1**	**42 573**	**.5**	**5 032 151**	**.4**	**39 689**	**.4**	**4 014 564**	**.4**
Adams	986	.5	17 410	4.0	911	.4	138 378	.6	841	.5	118 399	.6
Allegheny	334	.9	1 236	23.1	302	.8	17 530	2.5	264	1.1	10 901	2.3
Armstrong	654	.7	5 032	10.7	632	.5	80 299	1.1	596	.6	61 032	1.3
Beaver	499	.9	1 851	29.3	459	.7	34 427	1.5	423	.9	24 709	1.8

See footnotes at end of table.

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

Geographic area	Net cash return from agricultural sales for the farm unit (see text)[1] Farms Number	Relative standard error of estimate (percent)	Value Total ($1,000)	Relative standard error of estimate (percent)	Total cropland Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Harvested cropland Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)
Bedford	941	.6	13 352	7.2	898	.5	124 920	.7	839	.5	96 255	.7
Berks	1 583	.6	45 732	3.2	1 478	.4	187 645	.6	1 404	.5	167 640	.6
Blair	422	.9	11 987	14.0	401	.7	59 945	.9	372	.8	51 519	.9
Bradford	1 280	.6	14 782	10.6	1 215	.4	192 075	.7	1 122	.5	149 291	.7
Bucks	738	.6	17 448	5.5	673	.6	71 312	1.2	611	.7	61 686	1.3
Butler	973	.7	2 540	47.3	924	.6	82 964	1.1	872	.7	62 589	1.2
Cambria	524	.8	4 292	19.3	500	.6	59 136	1.3	461	.7	45 708	1.3
Cameron	26	3.6	−11	25.1	25	1.2	1 678	2.0	24	1.2	971	.9
Carbon	165	1.7	1 998	7.7	159	.7	14 331	1.7	155	.8	12 309	1.8
Centre	787	.7	10 841	7.8	737	.6	93 260	1.0	708	.7	78 004	1.0
Chester	1 422	.6	70 040	1.8	1 263	.6	139 405	.8	1 136	.6	116 814	.8
Clarion	456	.8	1 567	22.8	448	.5	63 010	1.0	424	.6	43 265	1.1
Clearfield	339	.9	2 111	38.4	320	.5	34 690	1.5	301	.7	25 796	1.7
Clinton	265	1.2	3 237	15.8	252	.7	29 551	1.8	236	.9	22 883	1.5
Columbia	702	.7	2 685	22.2	670	.6	83 115	1.0	575	.7	65 184	1.1
Crawford	1 070	.7	11 512	8.7	1 014	.5	134 835	.8	952	.6	100 726	.8
Cumberland	971	.6	20 540	5.3	910	.5	122 352	.8	844	.6	103 325	.8
Dauphin	626	.7	6 371	15.5	581	.5	69 905	.9	522	.7	58 152	1.0
Delaware	63	4.0	2 143	1.9	57	1.5	3 127	3.7	51	2.2	1 708	2.4
Elk	145	1.9	194	(H)	144	.6	10 737	2.5	141	.7	6 407	2.9
Erie	1 123	.6	19 112	3.7	1 072	.5	113 754	.8	1 007	.5	87 740	.9
Fayette	746	.8	3 451	13.1	706	.6	70 293	1.2	659	.7	45 470	1.4
Forest	34	4.3	−37	27.2	31	1.6	2 979	5.5	29	1.7	2 259	6.4
Franklin	1 304	.5	42 427	3.2	1 212	.4	190 914	.5	1 148	.5	163 342	.5
Fulton	448	.8	2 488	31.7	433	.5	51 180	1.2	404	.7	38 893	1.4
Greene	666	.8	−1 247	38.8	622	.7	67 224	1.2	570	.8	32 466	1.2
Huntingdon	586	.8	4 277	20.0	558	.5	75 852	.8	524	.6	60 643	.9
Indiana	766	.8	10 299	7.7	733	.6	89 857	1.1	698	.7	68 928	1.1
Jefferson	435	.8	3 338	14.6	418	.4	51 920	1.1	397	.5	37 706	1.3
Juniata	610	.6	8 632	10.2	559	.6	58 267	1.1	506	.7	46 284	1.2
Lackawanna	237	1.3	1 496	30.3	225	.7	19 500	1.5	208	.9	13 548	1.9
Lancaster	4 556	.5	168 039	2.0	4 197	.5	331 482	.5	4 034	.6	293 313	.5
Lawrence	621	.7	4 155	17.1	595	.6	63 283	1.1	559	.7	47 883	1.2
Lebanon	884	.5	26 871	8.3	777	.5	95 831	.7	727	.5	85 574	.7
Lehigh	424	.7	10 368	5.9	403	.5	80 660	.8	372	.6	75 696	.9
Luzerne	450	.8	3 760	23.6	436	.6	36 762	1.3	400	.8	28 410	1.5
Lycoming	839	.7	7 489	14.4	811	.6	87 427	1.0	733	.6	68 788	1.1
McKean	210	1.2	68	(H)	194	.9	18 423	2.2	183	1.0	11 266	2.3
Mercer	1 030	.6	9 654	11.7	986	.5	113 486	.9	914	.6	85 627	1.1
Mifflin	617	.6	11 591	9.6	575	.6	52 716	.9	556	.6	44 339	1.0
Monroe	174	1.8	811	18.4	154	.9	14 471	2.5	142	1.2	11 244	2.8
Montgomery	460	.7	4 177	25.2	419	.8	34 423	1.6	384	.9	29 101	1.7
Montour	258	1.0	5 436	10.1	244	.5	30 395	1.2	218	.8	25 032	1.4
Northampton	395	1.0	5 371	17.8	364	.7	69 477	.9	349	.8	64 083	.9
Northumberland	595	.6	9 465	9.6	561	.5	90 541	.7	506	.6	79 227	.8
Perry	617	.7	6 581	9.6	578	.4	79 405	.8	520	.5	63 832	.9
Philadelphia	9	5.7	222	5.6	8	1.2	(D)	(D)	5	−	(D)	(D)
Pike	40	3.0	200	7.4	37	1.2	(D)	(D)	33	1.9	(D)	(D)
Potter	292	1.1	3 475	11.8	265	.8	44 448	1.2	245	1.0	32 911	1.5
Schuylkill	605	.7	8 448	7.4	571	.5	69 807	.9	525	.6	58 224	1.1
Snyder	670	.7	12 223	9.2	626	.6	68 315	1.0	589	.7	57 295	1.1
Somerset	958	.6	12 203	7.7	910	.5	127 576	.8	844	.6	99 341	.8
Sullivan	122	2.0	444	19.0	122	.4	16 946	1.4	118	.7	13 706	1.6
Susquehanna	705	.7	7 715	12.2	675	.5	95 225	1.0	630	.6	66 265	1.0
Tioga	824	.7	11 257	10.8	780	.6	124 276	.9	737	.6	95 694	.9
Union	498	.8	9 990	12.1	468	.6	54 069	1.3	445	.7	46 857	1.4
Venango	351	.6	330	(H)	333	.6	27 596	1.1	309	.7	19 566	1.3
Warren	390	.8	2 422	25.2	360	.6	32 298	1.3	329	.8	21 259	1.4
Washington	1 308	.7	3 776	23.2	1 218	.6	115 325	.9	1 120	.6	70 558	1.0
Wayne	566	.8	3 961	19.1	540	.6	60 435	1.1	525	.6	43 884	1.2
Westmoreland	1 035	.7	6 205	28.3	974	.6	100 941	.9	900	.7	71 026	1.1
Wyoming	308	1.0	11 196	2.3	295	.6	37 099	1.4	274	.7	27 140	1.4
York	1 700	.5	16 478	7.8	1 555	.5	216 743	.6	1 440	.5	193 572	.7

Geographic area	Irrigated land Farms Number	Relative standard error of estimate (percent)	Acres Number	Relative standard error of estimate (percent)	Livestock and poultry Cattle and calves inventory Farms Number	Relative standard error of estimate (percent)	Total Number	Relative standard error of estimate (percent)	Beef cows inventory Farms Number	Relative standard error of estimate (percent)	Total Number	Relative standard error of estimate (percent)
Pennsylvania	**2 814**	**.7**	**36 150**	**.8**	**26 525**	**.5**	**1 672 295**	**.4**	**11 237**	**.5**	**169 134**	**.6**
Adams	69	2.7	2 537	.8	431	1.0	29 257	1.1	220	1.7	4 383	3.7
Allegheny	65	3.6	374	4.0	125	2.4	2 671	3.9	85	3.2	912	5.0
Armstrong	21	6.2	170	1.8	409	1.0	16 204	1.4	282	1.5	3 661	2.2
Beaver	21	6.7	410	4.3	275	1.4	9 126	2.5	170	2.1	1 727	3.7

See footnotes at end of table.

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

Geographic area	Irrigated land — Farms Number	Irrigated land — Farms Relative standard error of estimate (percent)	Irrigated land — Acres Number	Irrigated land — Acres Relative standard error of estimate (percent)	Cattle and calves inventory — Farms Number	Cattle and calves inventory — Farms Relative standard error of estimate (percent)	Cattle and calves inventory — Total Number	Cattle and calves inventory — Total Relative standard error of estimate (percent)	Beef cows inventory — Farms Number	Beef cows inventory — Farms Relative standard error of estimate (percent)	Beef cows inventory — Total Number	Beef cows inventory — Total Relative standard error of estimate (percent)
Bedford	33	5.0	304	15.2	675	.7	48 828	.7	346	1.3	5 821	2.0
Berks	139	2.3	1 364	1.9	806	.8	63 631	.7	202	2.0	2 572	2.5
Blair	27	5.2	313	7.0	296	1.1	31 636	.8	82	3.2	1 299	4.6
Bradford	23	5.9	223	8.9	925	.6	88 332	.7	339	1.4	5 856	2.5
Bucks	115	2.4	1 238	2.0	166	2.0	9 548	1.4	95	2.9	996	3.6
Butler	53	4.0	411	3.8	571	1.0	20 262	1.7	370	1.5	4 733	2.7
Cambria	12	8.7	81	6.6	318	1.1	12 610	1.3	233	1.5	3 103	2.5
Cameron	–	–	–	–	13	3.6	305	1.6	9	5.1	71	4.2
Carbon	13	9.0	61	22.0	46	3.8	1 584	5.9	15	7.9	242	13.0
Centre	52	4.5	462	1.9	505	1.0	33 922	1.3	166	2.4	2 392	3.8
Chester	203	1.5	1 182	2.3	593	1.0	48 897	.8	170	2.4	3 344	3.7
Clarion	13	7.6	79	7.9	325	.9	15 001	1.3	232	1.3	3 236	2.1
Clearfield	18	6.9	98	20.2	202	1.2	7 366	1.9	126	2.0	1 542	2.9
Clinton	27	5.8	1 386	5.9	168	1.6	11 937	1.8	58	3.8	877	6.3
Columbia	41	4.2	872	2.9	266	1.5	11 900	1.8	149	2.3	1 976	3.1
Crawford	16	7.6	619	22.9	752	.8	44 773	1.0	337	1.5	5 349	2.5
Cumberland	81	3.5	858	4.3	583	.9	44 620	.9	167	2.3	2 962	2.7
Dauphin	37	4.4	582	1.9	268	1.4	17 735	1.3	85	3.1	1 715	3.5
Delaware	20	6.0	76	13.8	12	8.6	449	4.7	6	12.3	(D)	(D)
Elk	5	17.8	13	24.4	103	1.9	2 578	3.3	76	2.6	711	4.5
Erie	77	3.3	1 318	2.2	489	1.1	25 212	1.3	245	1.8	2 749	2.8
Fayette	23	6.5	50	4.5	499	1.0	20 020	1.5	376	1.4	6 862	2.2
Forest	1	33.1	(D)	(D)	20	4.1	953	7.0	16	5.3	222	7.5
Franklin	103	2.8	2 972	1.7	918	.6	95 764	.6	236	1.8	3 942	2.5
Fulton	9	11.4	20	13.0	317	1.0	15 704	1.6	188	1.8	2 972	2.9
Greene	8	10.5	26	14.3	496	.9	17 625	1.3	443	1.0	9 032	1.5
Huntingdon	14	6.7	452	3.6	438	.8	31 126	.9	223	1.5	2 758	2.6
Indiana	50	4.6	544	3.6	460	1.1	21 676	1.4	230	2.0	3 214	2.9
Jefferson	11	7.9	151	25.4	296	.9	12 098	1.4	197	1.5	2 969	2.1
Juniata	33	5.5	292	7.9	362	1.1	20 465	1.5	94	2.8	1 149	4.5
Lackawanna	17	6.0	414	2.5	123	1.9	5 146	2.5	67	3.2	741	5.0
Lancaster	407	1.5	4 858	1.5	2 988	.6	241 585	.5	309	1.8	5 168	2.3
Lawrence	14	8.5	40	6.5	424	1.1	19 798	1.4	213	1.9	3 088	2.9
Lebanon	54	3.6	1 269	8.1	568	.7	51 418	.7	111	2.6	1 813	3.1
Lehigh	47	3.6	377	3.3	98	2.6	4 390	2.7	47	4.1	523	6.5
Luzerne	48	4.2	462	6.3	161	2.1	5 626	2.6	75	3.5	739	4.9
Lycoming	45	4.3	2 083	2.9	430	1.2	24 296	1.4	207	2.0	2 845	3.3
McKean	8	12.3	42	27.4	116	2.0	4 365	2.9	69	3.3	831	4.8
Mercer	37	5.2	164	10.1	681	.8	32 263	1.1	350	1.4	5 676	2.0
Mifflin	25	6.3	55	10.9	468	.8	29 692	1.0	112	2.9	1 136	6.5
Monroe	6	11.9	84	6.2	40	4.1	1 201	4.1	19	5.9	219	5.1
Montgomery	72	3.3	483	2.2	153	2.2	8 812	1.5	62	4.3	814	6.1
Montour	7	9.0	55	5.1	131	1.6	5 979	1.7	46	3.7	466	4.7
Northampton	36	5.0	330	5.3	136	2.2	8 595	1.6	49	4.3	689	4.3
Northumberland	42	4.0	609	3.2	282	1.3	15 743	1.7	96	2.9	1 701	3.5
Perry	18	5.9	169	3.0	348	.9	23 664	1.1	126	2.2	1 953	3.2
Philadelphia	4	–	4	–	2	25.0	(D)	(D)	2	25.0	(D)	(D)
Pike	6	9.7	59	2.9	12	5.4	(D)	(D)	4	–	66	–
Potter	3	–	3	–	199	1.3	13 221	1.6	106	2.6	1 529	4.2
Schuylkill	61	3.3	923	3.1	216	1.6	13 696	1.3	62	3.5	1 348	1.8
Snyder	70	4.0	771	2.7	423	1.1	24 959	1.3	85	3.5	1 136	4.8
Somerset	31	5.2	565	14.3	653	.8	47 245	.8	241	1.7	4 507	2.0
Sullivan	3	22.1	19	24.5	101	1.2	7 645	1.4	53	2.7	651	3.6
Susquehanna	17	7.8	134	22.4	504	.8	36 101	1.0	205	1.8	2 856	3.1
Tioga	14	8.5	135	3.6	577	.9	39 556	1.0	255	1.8	3 828	2.7
Union	25	6.3	254	3.5	288	1.3	18 838	1.6	55	4.3	494	6.2
Venango	5	10.7	11	21.4	249	1.0	7 672	1.5	175	1.5	2 020	2.4
Warren	9	9.6	(D)	(D)	249	1.1	12 294	1.6	122	2.2	1 157	3.5
Washington	46	4.0	568	3.3	884	.8	33 247	1.0	694	1.0	12 093	1.4
Wayne	19	7.0	112	13.5	379	1.0	22 949	1.3	169	2.1	2 144	3.6
Westmoreland	52	4.2	260	3.8	575	1.0	24 960	1.2	378	1.5	5 345	2.2
Wyoming	12	9.0	73	16.5	182	1.5	9 961	1.6	84	2.9	1 126	4.4
York	121	2.7	1 129	3.8	757	.9	43 170	.9	321	1.6	4 990	2.0

Livestock and poultry—Con.

Geographic area	Milk cows inventory — Farms Number	Milk cows inventory — Farms Relative standard error of estimate (percent)	Milk cows inventory — Total Number	Milk cows inventory — Total Relative standard error of estimate (percent)	Hogs and pigs inventory — Farms Number	Hogs and pigs inventory — Farms Relative standard error of estimate (percent)	Hogs and pigs inventory — Total Number	Hogs and pigs inventory — Total Relative standard error of estimate (percent)	Sheep and lambs inventory — Farms Number	Sheep and lambs inventory — Farms Relative standard error of estimate (percent)	Sheep and lambs inventory — Total Number	Sheep and lambs inventory — Total Relative standard error of estimate (percent)
Pennsylvania	**10 920**	**.6**	**621 530**	**.4**	**3 456**	**.6**	**1 100 754**	**.3**	**2 541**	**.8**	**85 925**	**1.4**
Adams	75	2.6	8 077	1.1	73	3.0	20 365	1.5	46	3.8	1 368	5.2
Allegheny	18	6.6	350	8.1	23	6.5	456	11.3	22	6.4	615	9.3
Armstrong	81	3.0	4 454	2.6	49	4.3	1 892	12.1	41	4.5	1 005	7.8
Beaver	68	3.3	3 005	3.4	38	5.0	1 229	23.2	40	4.8	1 079	8.8

See footnotes at end of table.

Table F. **Reliability Estimates for the State and County Totals: 1997**—Con.

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

	Livestock and poultry—Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Bedford	275	1.4	18 550	1.1	73	3.3	15 025	1.1	42	4.7	2 152	12.5
Berks	386	1.2	24 307	.9	119	2.5	64 305	1.2	89	3.1	1 917	5.6
Blair	175	1.5	15 992	.9	42	4.2	7 464	1.9	25	5.9	1 280	12.2
Bradford	519	.9	31 089	.8	49	4.0	8 321	3.7	59	3.6	3 255	9.7
Bucks	49	3.0	3 153	1.5	37	4.6	693	5.8	67	3.7	1 443	6.0
Butler	121	2.6	4 847	2.6	71	3.8	4 224	6.5	42	5.1	2 175	7.0
Cambria	47	3.6	2 567	2.5	54	3.8	2 448	6.4	15	8.2	1 912	19.2
Cameron	2	–	(D)	(D)	2	13.3	(D)	(D)	–	–	–	–
Carbon	8	8.6	353	8.3	13	8.1	960	22.0	11	9.4	545	14.0
Centre	268	1.6	13 966	1.4	55	4.6	10 108	4.2	50	4.8	1 835	8.8
Chester	342	1.4	20 892	1.0	42	4.9	2 357	5.1	81	3.4	2 154	6.1
Clarion	76	2.9	4 785	2.4	38	4.6	4 492	3.4	16	7.7	543	10.8
Clearfield	48	3.5	2 166	3.6	29	5.2	558	15.5	6	12.9	469	24.2
Clinton	85	2.8	4 799	2.3	28	6.2	1 542	17.8	7	14.4	90	23.7
Columbia	55	3.9	3 536	2.7	65	3.5	22 183	1.3	17	8.0	280	12.7
Crawford	370	1.2	19 075	1.1	98	3.0	1 610	6.8	30	5.9	648	11.3
Cumberland	277	1.5	18 393	1.1	77	3.4	24 783	2.0	44	4.5	898	7.0
Dauphin	96	2.6	6 278	1.9	42	4.2	10 316	1.9	40	4.5	2 706	6.3
Delaware	2	20.0	(D)	(D)	3	15.1	11	20.5	4	18.4	(D)	(D)
Elk	22	6.2	630	6.9	14	7.9	94	10.9	6	12.9	30	18.0
Erie	201	1.8	10 212	1.6	38	5.0	934	9.0	21	5.8	594	9.5
Fayette	90	3.2	4 033	2.9	76	3.7	1 110	8.5	50	4.6	1 051	6.8
Forest	4	12.1	306	12.9	5	10.2	161	12.2	1	24.2	(D)	(D)
Franklin	519	.9	44 201	.6	119	2.4	104 320	.7	72	3.2	2 377	5.9
Fulton	74	3.0	5 080	2.5	42	4.6	10 151	2.6	23	6.1	474	9.2
Greene	32	4.9	1 157	4.4	21	6.9	83	8.8	99	2.8	4 786	4.7
Huntingdon	183	1.5	13 727	1.0	39	4.3	2 609	1.7	19	6.3	1 320	3.8
Indiana	164	2.2	7 242	1.8	45	5.0	5 117	5.0	38	5.5	1 385	10.5
Jefferson	80	2.6	3 365	2.5	32	5.1	530	12.3	8	10.0	(D)	(D)
Juniata	178	1.9	8 383	1.9	51	3.8	21 945	.7	36	4.9	1 467	14.1
Lackawanna	49	3.3	2 081	3.1	9	10.5	68	13.3	11	9.7	240	10.8
Lancaster	1 941	.8	98 875	.7	495	1.2	349 774	.5	300	1.8	4 819	5.1
Lawrence	163	2.0	7 542	1.6	66	3.8	5 403	5.8	42	5.0	1 381	6.6
Lebanon	281	1.2	20 159	.9	104	2.1	92 077	.7	58	3.6	1 250	5.7
Lehigh	27	4.8	1 345	3.3	33	4.6	6 772	6.3	19	6.3	926	11.9
Luzerne	50	4.2	2 124	3.9	19	7.7	572	14.3	13	9.5	747	12.1
Lycoming	144	2.3	7 431	2.1	43	5.0	11 803	2.4	21	6.7	392	11.3
McKean..............	43	4.3	1 388	5.0	19	7.2	163	7.5	9	10.5	318	17.1
Mercer..............	246	1.7	10 911	1.7	70	3.8	4 118	7.9	64	3.8	2 339	6.5
Mifflin...............	329	1.2	13 871	1.2	72	3.6	29 580	.7	76	3.6	679	5.5
Monroe	7	11.9	306	9.5	12	8.1	194	6.7	8	11.4	94	12.3
Montgomery	34	4.5	2 513	2.7	31	6.0	9 209	3.9	36	5.7	799	8.1
Montour	42	3.7	1 946	3.1	14	7.2	2 170	6.8	9	9.0	568	12.4
Northampton	50	3.5	3 280	2.1	24	6.0	1 559	3.0	17	8.0	343	9.4
Northumberland........	72	2.9	3 776	2.4	64	3.1	28 232	1.5	30	4.7	866	5.9
Perry	129	1.9	8 189	1.5	52	3.6	27 264	.5	27	4.6	2 581	10.8
Philadelphia	2	25.0	(D)	(D)	2	25.0	(D)	(D)	–	–	–	–
Pike	3	16.3	60	14.2	6	9.6	58	8.1	5	8.3	72	8.0
Potter	85	2.5	5 233	2.1	16	8.3	128	9.7	9	11.6	340	18.2
Schuylkill.............	59	3.0	3 478	1.9	49	3.8	19 453	1.9	15	7.5	123	8.9
Snyder..............	198	1.9	8 945	1.8	72	3.4	66 309	.6	26	7.3	539	14.8
Somerset	353	1.2	19 259	1.0	55	4.0	2 171	10.1	53	4.1	3 578	8.1
Sullivan	39	2.7	2 782	1.8	9	7.2	236	11.4	5	13.9	161	17.0
Susquehanna..........	290	1.3	16 952	1.1	27	5.5	(D)	(D)	29	5.5	1 178	9.3
Tioga	290	1.4	17 199	1.2	60	4.0	8 598	1.9	43	4.9	2 013	10.0
Union	163	2.1	7 405	2.1	31	5.0	19 496	2.1	14	9.4	313	26.2
Venango	49	3.1	1 956	2.3	45	3.6	527	7.4	22	5.0	669	6.3
Warren	96	2.3	5 166	2.0	39	4.4	225	7.9	16	7.8	638	11.7
Washington	115	2.6	5 729	2.3	52	4.5	1 684	11.9	173	2.3	7 894	4.3
Wayne...............	192	1.8	9 897	1.7	25	6.6	193	8.9	26	6.1	748	12.6
Westmoreland	136	2.5	6 936	2.0	85	3.5	4 532	7.0	75	3.6	2 533	5.0
Wyoming.............	74	2.6	4 225	2.2	15	7.9	75	10.7	9	9.1	810	14.4
York.................	179	2.0	11 376	1.5	139	2.4	51 006	1.2	114	2.8	3 029	5.2

	Livestock and poultry—Con.							
	Layers 20 weeks old and older inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Pennsylvania .	**3 147**	**.7**	**24 396 990**	**.1**	**845**	**.8**	**118 545 429**	**.1**
Adams................	56	3.5	(D)	(D)	9	7.7	488 140	2.2
Allegheny	30	5.2	2 801	4.0	6	11.5	350	10.0
Armstrong.............	44	4.3	6 585	16.6	3	14.9	59	14.5
Beaver...............	36	5.2	24 894	13.3	1	–	(D)	(D)

See footnotes at end of table.

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

	Livestock and poultry—Con.							
	Layers 20 weeks old and older inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Bedford	68	3.6	2 463	3.8	9	10.6	3 340	16.4
Berks	106	2.7	1 443 878	(L)	45	3.0	8 950 114	.1
Blair	19	6.6	(D)	(D)	1	41.7	(D)	(D)
Bradford	53	3.9	(D)	(D)	3	21.6	(D)	(D)
Bucks	61	3.9	10 832	1.7	7	10.9	(D)	(D)
Butler	61	4.1	10 419	.9	8	12.4	2 603	21.2
Cambria	38	4.7	9 412	28.2	5	12.7	(D)	(D)
Cameron	3	8.9	(D)	(D)	–	–	–	–
Carbon	15	7.9	2 162	14.6	–	–	–	–
Centre	70	4.0	13 600	1.2	8	11.8	(D)	(D)
Chester	79	3.6	193 017	.2	17	4.3	1 853 450	.6
Clarion	28	5.6	804	6.3	5	11.7	860	17.1
Clearfield	29	5.2	846	8.2	4	12.7	200	15.4
Clinton	28	5.6	59 043	9.5	–	–	–	–
Columbia	30	5.5	(D)	(D)	13	8.2	674 345	7.4
Crawford	66	3.9	(D)	(D)	9	9.4	517	10.8
Cumberland	53	4.5	(D)	(D)	17	4.7	2 953 444	(L)
Dauphin	37	4.5	683 892	(L)	18	2.6	4 523 897	.5
Delaware	4	17.3	498	18.4	1	42.1	(D)	(D)
Elk	17	7.0	520	12.8	–	–	–	–
Erie	44	4.3	(D)	(D)	–	–	–	–
Fayette	52	4.6	2 012	7.0	1	28.6	(D)	(D)
Forest	3	14.4	(D)	(D)	–	–	–	–
Franklin	103	2.8	1 434 237	(L)	26	4.5	3 349 391	(L)
Fulton	32	5.3	1 486	6.5	1	30.3	(D)	(D)
Greene	27	5.6	539	6.1	–	–	–	–
Huntingdon	37	4.3	958	4.2	7	9.1	(D)	(D)
Indiana	46	5.0	1 923	11.5	3	23.1	525	26.4
Jefferson	28	5.1	(D)	(D)	3	12.7	(D)	(D)
Juniata	46	4.0	393 895	1.2	62	2.2	10 655 497	.5
Lackawanna	13	8.3	409	13.3	4	15.4	(D)	(D)
Lancaster	494	1.4	10 120 019	.1	256	1.3	44 580 865	.2
Lawrence	51	4.5	23 349	4.8	11	9.9	2 286	14.6
Lebanon	74	3.0	2 136 022	.2	47	2.1	14 851 079	.3
Lehigh	31	5.3	24 945	3.3	2	17.8	(D)	(D)
Luzerne	23	6.8	(D)	(D)	3	21.2	(D)	(D)
Lycoming	45	4.7	(D)	(D)	5	12.5	(D)	(D)
McKean	15	7.9	282	10.5	–	–	–	–
Mercer	65	3.9	(D)	(D)	6	11.7	368	13.9
Mifflin	55	4.5	2 159	16.1	17	6.6	1 456 598	3.2
Monroe	19	5.4	933	4.2	–	–	–	–
Montgomery	48	4.7	(D)	(D)	8	12.1	3 127	23.6
Montour	17	6.0	(D)	(D)	7	7.3	282 757	5.7
Northampton	34	4.9	15 799	1.1	3	20.5	(D)	(D)
Northumberland	32	4.4	540 320	(L)	24	4.8	2 069 588	2.6
Perry	27	4.5	(D)	(D)	12	–	4 605 005	–
Philadelphia	–	–	–	–	–	–	–	–
Pike	9	7.8	829	12.3	–	–	–	–
Potter	15	8.0	447	9.7	2	27.1	(D)	(D)
Schuylkill	33	4.4	1 807 469	(L)	16	3.7	3 099 121	(L)
Snyder	63	4.0	405 988	1.4	51	3.4	6 736 281	1.1
Somerset	72	3.5	(D)	(D)	4	15.4	167	20.5
Sullivan	9	7.9	125	7.9	–	–	–	–
Susquehanna	37	4.8	1 684	8.7	2	22.1	(D)	(D)
Tioga	46	4.6	20 160	18.7	4	19.4	(D)	(D)
Union	44	4.8	205 584	5.0	29	4.1	4 736 825	.7
Venango	25	5.0	525	5.9	2	17.6	(D)	(D)
Warren	30	5.0	696	6.0	–	–	–	–
Washington	63	4.0	2 243	7.6	6	12.3	1 127	18.6
Wayne	33	5.1	1 886	12.4	2	14.8	(D)	(D)
Westmoreland	58	4.2	(D)	(D)	6	12.2	695	11.0
Wyoming	16	8.0	371	10.8	–	–	–	–
York	102	2.9	903 156	.3	24	5.2	2 311 104	1.1

	Selected crops harvested										
	Corn for grain or seed						Corn for silage or green chop					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Relative standard error of estimate (percent)
Pennsylvania	**18 732**	**.5**	**970 895**	**.4**	**93 320 717**	**.3**	**12 598**	**.5**	**484 951**	**.4**	**6 363 560**	**.4**
Adams	378	1.1	20 118	1.2	1 403 352	1.1	145	1.9	10 352	1.3	88 467	1.2
Allegheny	52	4.2	979	5.0	70 637	5.1	18	7.4	223	8.5	2 171	10.6
Armstrong	280	1.4	11 808	2.1	797 563	2.1	109	2.6	4 132	3.0	46 496	3.1
Beaver	168	2.0	4 347	3.3	291 457	3.7	62	3.7	1 811	5.0	14 460	4.9

See footnotes at end of table.

[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)
Bedford	306	1.4	13 983	1.6	1 203 111	1.4	338	1.2	20 575	1.0	232 615	1.0
Berks	877	.7	57 978	.8	6 435 375	.8	438	1.1	16 303	.9	249 858	.8
Blair	166	1.8	10 191	1.7	934 949	1.4	193	1.5	13 543	1.0	173 730	1.1
Bradford	288	1.4	14 862	1.4	1 454 075	1.5	480	1.0	20 689	1.1	272 337	1.1
Bucks	210	1.6	20 914	1.7	2 082 230	1.8	58	2.9	2 277	1.7	34 209	1.5
Butler	431	1.3	13 478	2.3	933 019	2.4	156	2.3	4 502	2.6	46 838	2.8
Cambria	237	1.5	7 638	1.7	664 343	1.6	96	2.8	3 880	2.6	43 726	2.9
Cameron	4	6.7	46	4.1	3 995	1.2	2	–	(D)	(D)	(D)	(D)
Carbon	84	2.2	2 991	3.8	221 929	2.5	12	8.0	335	6.4	4 665	5.5
Centre	365	1.3	20 520	1.3	1 879 975	1.5	269	1.6	9 152	1.5	122 774	1.5
Chester	507	1.1	36 981	.8	4 261 606	.8	353	1.4	13 865	.9	224 736	.9
Clarion	175	1.7	7 248	1.6	491 358	1.7	92	2.6	3 927	2.7	37 374	2.2
Clearfield	142	1.8	3 964	3.2	294 288	3.0	69	2.8	2 121	3.8	17 894	3.6
Clinton	116	2.2	6 021	2.6	570 311	2.9	100	2.5	4 231	2.2	52 224	2.2
Columbia	327	1.2	21 268	1.5	1 851 570	1.6	73	3.1	2 705	2.5	32 699	2.4
Crawford	438	1.2	20 728	1.4	1 910 980	1.5	317	1.4	12 107	1.6	151 406	1.8
Cumberland	487	1.1	28 252	1.2	2 590 745	1.2	339	1.3	17 530	1.1	207 376	1.1
Dauphin	325	1.1	17 144	1.2	1 631 514	1.2	128	2.2	5 259	2.0	69 463	2.2
Delaware	4	13.3	(D)	(D)	(D)	(D)	3	19.4	(D)	(D)	(D)	(D)
Elk	39	4.3	411	10.2	28 131	7.8	23	6.3	475	6.5	5 929	7.5
Erie	267	1.6	16 598	1.9	1 662 222	1.7	218	1.8	7 975	1.6	104 829	1.6
Fayette	244	1.8	7 726	2.9	669 244	3.0	95	3.2	2 881	3.3	30 789	3.2
Forest	15	5.6	338	17.0	24 498	16.0	8	7.9	254	13.3	2 812	11.5
Franklin	579	.9	29 916	1.2	2 461 752	1.1	632	.8	43 793	.6	488 741	.6
Fulton	160	2.0	4 412	2.6	332 246	2.9	141	2.0	6 000	2.6	59 028	2.7
Greene	33	4.9	684	8.2	65 896	6.7	27	4.8	761	5.3	8 840	4.4
Huntingdon	266	1.3	12 054	1.3	1 164 356	1.1	241	1.3	11 826	1.1	149 377	1.1
Indiana	343	1.4	14 415	2.2	1 086 193	2.1	175	2.2	5 486	1.8	60 844	1.9
Jefferson	177	1.6	5 858	2.3	478 572	2.1	98	2.3	2 706	2.7	31 004	2.8
Juniata	349	1.1	12 370	1.5	1 175 072	1.6	187	1.8	6 005	2.0	73 032	1.8
Lackawanna	10	6.7	1 049	1.3	68 074	1.2	39	3.8	1 121	3.4	15 895	2.3
Lancaster	2 630	.7	94 504	.6	11 454 290	.6	2 513	.7	74 128	.6	1 283 254	.6
Lawrence	353	1.2	15 645	2.0	1 323 736	2.0	175	1.9	4 657	1.8	61 490	1.9
Lebanon	512	.8	27 565	1.4	3 136 336	1.2	385	1.0	16 041	.8	258 681	.8
Lehigh	205	1.4	37 998	.9	4 460 052	.9	25	4.8	794	3.5	12 123	3.2
Luzerne	154	2.1	7 276	2.3	614 606	2.4	61	4.0	1 496	4.3	17 921	4.7
Lycoming	435	1.1	21 485	1.9	1 913 101	2.0	216	1.8	6 403	1.9	74 915	1.9
McKean	16	7.6	337	3.6	28 580	3.1	44	4.3	1 247	5.7	17 993	6.8
Mercer	533	1.0	23 376	1.8	1 868 336	1.7	290	1.6	9 822	1.8	117 896	1.8
Mifflin	380	1.1	12 055	1.3	1 358 357	1.4	336	1.2	8 784	1.4	134 161	1.3
Monroe	53	3.3	3 960	4.4	386 110	5.2	13	7.3	192	7.6	2 700	8.5
Montgomery	175	1.8	9 505	2.6	867 733	2.9	42	3.8	1 801	2.6	24 290	2.3
Montour	142	1.4	8 420	2.1	768 298	1.8	49	3.4	1 108	3.0	15 175	2.9
Northampton	207	1.5	33 308	1.0	3 608 270	1.1	65	3.1	2 483	2.0	36 649	1.9
Northumberland	318	1.1	32 399	1.0	3 265 556	1.0	109	2.4	3 099	2.3	39 303	2.2
Perry	317	1.0	13 903	1.6	1 287 025	1.6	169	1.6	6 780	1.5	80 059	1.4
Philadelphia	–	–	–	–	–	–	–	–	–	–	–	–
Pike	3	13.3	(D)	(D)	(D)	(D)	1	–	(D)	(D)	(D)	(D)
Potter	36	4.6	1 866	4.3	175 985	4.3	87	2.5	4 259	2.4	66 071	2.4
Schuylkill	325	1.1	19 904	1.4	2 006 567	1.4	86	2.5	2 489	2.3	38 952	2.8
Snyder	404	1.1	17 041	1.4	1 539 530	1.2	214	1.8	6 866	1.9	72 755	1.8
Somerset	342	1.3	14 964	1.8	1 322 407	1.7	382	1.1	14 794	1.0	147 787	1.1
Sullivan	38	3.3	1 238	2.4	120 409	2.5	35	3.0	1 859	2.5	17 526	2.5
Susquehanna	39	4.5	1 419	3.7	125 614	3.0	201	1.7	7 681	1.6	96 698	1.8
Tioga	169	2.3	6 697	2.4	736 100	2.8	253	1.7	9 393	1.7	124 961	1.7
Union	304	1.3	13 267	1.6	1 340 306	1.7	193	1.8	5 285	2.2	64 918	2.1
Venango	137	1.8	3 266	3.4	272 560	3.5	77	2.5	1 888	2.6	20 637	2.4
Warren	53	3.7	736	5.1	65 362	3.8	98	2.5	3 403	2.4	41 900	3.0
Washington	263	1.7	5 833	2.3	472 692	2.3	108	2.6	3 187	2.9	36 312	3.1
Wayne	12	7.6	1 400	5.5	144 105	5.8	115	2.6	2 816	2.6	34 434	2.8
Westmoreland	389	1.4	17 867	1.5	1 178 851	1.7	157	2.3	5 221	2.2	53 839	2.0
Wyoming	83	2.7	4 195	3.3	331 416	3.1	92	2.4	3 810	2.1	43 977	2.4
York	856	.8	71 288	.9	5 859 533	.8	273	1.6	14 157	1.2	166 980	1.2

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)
Pennsylvania .	**6 381**	**.5**	**167 488**	**.4**	**8 526 375**	**.4**	**9 041**	**.5**	**144 456**	**.6**	**8 122 302**	**.6**
Adams	263	1.4	9 190	1.4	439 643	1.5	74	3.2	919	4.5	50 384	4.9
Allegheny	22	6.6	176	7.4	6 293	7.7	43	4.6	539	4.8	23 865	5.6
Armstrong	65	3.6	1 981	3.9	77 979	4.4	230	1.7	5 060	2.9	238 325	3.1
Beaver	64	3.5	1 120	6.0	46 531	6.0	136	2.3	1 934	3.2	105 869	3.1

See footnotes at end of table.

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

	Selected crops harvested—Con.											
	Wheat for grain						Oats for grain					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Bedford	90	2.8	1 384	2.9	67 060	2.7	221	1.7	3 792	2.2	220 688	2.4
Berks	426	1.2	11 527	1.2	591 240	1.3	318	1.5	4 346	2.1	278 708	2.4
Blair	39	4.1	750	5.4	39 843	4.7	67	3.7	946	4.9	48 720	4.5
Bradford	2	–	(D)	(D)	(D)	(D)	158	2.2	2 615	2.6	147 649	2.9
Bucks	102	2.3	2 512	2.8	109 523	3.0	59	3.7	936	4.2	49 080	4.4
Butler	115	2.9	2 271	3.5	94 171	3.3	359	1.4	5 759	2.2	306 699	2.6
Cambria	51	3.8	2 047	4.3	100 245	4.9	249	1.4	6 588	1.9	363 704	2.2
Cameron	–	–	–	–	–	–	5	–	44	–	1 815	–
Carbon	35	4.4	607	5.1	25 472	5.5	59	3.0	1 090	3.2	62 025	3.2
Centre	106	2.9	3 327	3.0	190 482	3.2	203	2.0	3 681	2.5	221 274	2.4
Chester	155	2.0	5 315	1.2	305 787	1.1	43	4.5	537	5.2	30 970	3.6
Clarion	18	6.5	598	4.2	28 807	3.2	148	1.9	3 280	2.8	175 800	1.9
Clearfield	11	9.3	201	10.7	8 000	12.3	109	2.2	1 678	3.9	82 738	4.3
Clinton	23	5.9	852	3.4	51 161	3.5	51	3.9	693	4.0	35 654	4.9
Columbia	154	2.2	3 560	3.1	169 284	2.8	211	1.8	2 975	2.4	164 803	2.7
Crawford	31	4.5	733	2.6	34 468	2.2	289	1.6	5 382	1.8	277 173	1.9
Cumberland	248	1.7	6 646	2.2	354 917	2.0	188	2.1	2 644	2.7	153 916	2.5
Dauphin	162	1.9	4 868	2.0	239 922	1.9	146	2.2	1 883	2.4	122 596	2.5
Delaware	1	–	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Elk	4	17.3	30	22.4	890	20.6	45	4.1	436	8.1	20 964	8.8
Erie	24	5.0	2 044	4.8	98 505	4.8	174	2.1	4 079	2.1	232 935	1.9
Fayette	40	5.2	612	6.3	27 354	5.6	161	2.5	1 662	4.2	80 787	4.7
Forest	–	–	–	–	–	–	19	4.4	185	8.8	11 200	9.2
Franklin	344	1.3	8 391	1.1	412 570	1.1	156	2.4	1 883	2.6	115 970	2.7
Fulton	81	3.2	1 528	5.2	55 456	4.8	142	2.2	1 989	3.5	113 907	3.4
Greene	3	22.3	(D)	(D)	(D)	(D)	10	9.7	137	12.1	5 446	9.3
Huntingdon	65	2.9	1 099	2.6	50 479	2.7	169	1.9	2 024	2.4	114 063	2.7
Indiana	56	4.1	1 654	3.0	79 726	2.3	297	1.6	6 191	2.1	333 845	2.3
Jefferson	14	6.8	303	2.9	18 750	2.0	169	1.6	2 671	2.3	143 862	2.3
Juniata	103	2.7	1 559	3.8	67 578	4.1	173	2.0	2 193	2.6	127 787	2.9
Lackawanna	6	5.1	937	3.2	48 141	2.0	8	11.8	75	17.0	3 025	15.8
Lancaster	831	1.1	11 877	1.0	734 727	1.0	97	3.2	737	2.4	51 135	2.4
Lawrence	140	2.3	2 256	2.6	102 413	2.6	247	1.6	3 526	2.3	210 963	2.4
Lebanon	179	1.7	5 208	1.8	310 156	1.7	73	3.3	827	3.2	52 005	3.2
Lehigh	158	1.7	8 106	1.4	443 654	1.3	103	2.5	1 769	2.1	103 073	2.5
Luzerne	25	5.5	1 511	2.1	72 094	2.1	105	2.8	1 644	4.1	96 063	4.0
Lycoming	91	3.2	1 498	4.1	63 521	4.0	226	1.9	3 255	2.5	170 897	2.8
McKean	–	–	–	–	–	–	21	6.9	330	5.1	16 321	5.0
Mercer	121	2.8	2 816	3.7	127 350	3.8	385	1.3	6 282	1.7	344 769	1.8
Mifflin	113	2.8	1 413	2.6	67 398	3.2	160	2.3	1 587	2.9	98 624	2.7
Monroe	21	5.8	660	11.0	34 058	11.5	39	4.1	855	5.9	42 434	6.3
Montgomery	78	3.0	1 728	4.2	82 486	4.1	73	3.4	965	4.0	52 141	4.2
Montour	82	2.5	1 583	3.5	64 212	3.7	87	2.3	1 401	3.7	90 350	4.3
Northampton	99	2.7	4 958	1.7	271 539	1.7	67	3.7	1 310	4.6	76 527	5.3
Northumberland	134	2.1	5 551	1.3	260 020	1.5	162	2.0	2 692	2.1	156 242	2.4
Perry	163	1.7	3 875	1.9	171 379	1.9	174	1.7	2 493	2.3	151 978	2.5
Philadelphia	–	–	–	–	–	–	–	–	–	–	–	–
Pike	–	–	–	–	–	–	–	–	–	–	–	–
Potter	5	–	755	–	45 078	–	48	4.0	1 261	3.3	81 645	3.4
Schuylkill	184	1.8	5 310	1.7	244 900	1.6	208	1.6	3 939	2.0	261 594	2.1
Snyder	156	2.3	2 646	2.7	108 252	2.5	224	1.9	3 252	2.0	192 677	2.1
Somerset	17	7.3	153	8.2	6 995	10.0	353	1.3	7 825	1.6	447 679	1.6
Sullivan	1	–	(D)	(D)	(D)	(D)	27	4.3	448	4.9	21 964	6.2
Susquehanna	3	19.3	(D)	(D)	(D)	(D)	40	4.5	520	4.2	27 239	4.4
Tioga	7	12.8	74	13.5	2 938	13.7	161	2.4	2 761	2.2	145 113	2.5
Union	110	2.7	2 247	2.7	102 568	2.8	149	2.3	1 880	2.8	112 458	2.7
Venango	8	8.1	64	8.1	2 090	7.5	116	2.0	1 311	2.3	64 139	2.4
Warren	2	18.1	(D)	(D)	(D)	(D)	45	4.0	927	3.4	58 519	3.5
Washington	40	4.9	486	4.8	21 116	3.9	190	2.1	1 990	3.8	104 892	4.0
Wayne	–	–	–	–	–	–	–	–	–	–	–	–
Westmoreland	162	2.4	2 516	3.6	103 023	3.6	314	1.6	4 666	2.2	239 322	2.5
Wyoming	3	9.7	(D)	(D)	(D)	(D)	35	4.7	606	4.3	35 392	4.3
York	525	1.1	21 571	1.0	1 199 670	1.0	223	1.9	2 551	2.1	149 901	2.2

	Selected crops harvested—Con.											
	Potatoes, excluding sweetpotatoes						Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Hundredweight	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)
Pennsylvania .	**740**	**1.2**	**12 597**	**.7**	**3 082 481**	**.6**	**31 387**	**.5**	**1 890 462**	**.4**	**3 931 973**	**.4**
Adams	12	8.0	67	9.8	12 854	5.0	565	.8	40 689	.9	83 187	.8
Allegheny	8	6.9	22	1.9	6 045	.6	160	1.9	7 939	2.5	14 289	3.1
Armstrong	7	13.2	23	13.7	3 505	10.3	527	.8	35 865	1.3	69 704	1.4
Beaver	11	10.2	27	13.2	3 430	15.3	344	1.1	15 695	2.1	28 711	2.2

See footnotes at end of table.

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

	Selected crops harvested—Con.											
	Potatoes, excluding sweetpotatoes						Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Hundredweight	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)
Bedford	12	9.3	7	17.8	1 619	22.8	741	.6	61 168	.9	121 401	1.0
Berks	23	5.9	26	11.6	2 825	14.8	1 005	.7	56 385	.8	140 380	.9
Blair	8	11.7	10	11.7	1 748	10.0	326	1.0	25 760	1.4	61 112	2.0
Bradford	10	8.2	160	2.0	21 486	1.8	1 041	.5	117 048	.8	210 482	.8
Bucks	7	9.1	54	9.7	8 346	8.6	311	1.3	18 114	2.1	37 206	2.8
Butler	13	8.5	166	9.1	30 637	8.5	728	.8	34 704	1.2	70 488	1.4
Cambria	39	3.9	2 743	1.6	657 599	1.2	397	.9	22 119	1.9	43 045	2.0
Cameron	–	–	–	–	–	–	20	1.9	859	.9	1 385	.8
Carbon	5	11.7	13	7.4	2 460	4.0	98	1.9	4 908	2.8	10 564	2.9
Centre	12	10.2	82	12.4	19 856	12.7	592	.9	34 703	1.1	73 199	1.3
Chester	11	9.7	421	1.1	106 230	.7	771	.9	44 006	1.5	105 391	1.5
Clarion	8	9.3	(D)	(D)	(D)	(D)	382	.7	29 801	1.5	61 855	1.6
Clearfield	3	16.6	(D)	(D)	(D)	(D)	251	1.0	19 050	1.7	32 441	2.0
Clinton	7	12.4	(D)	(D)	(D)	(D)	198	1.3	10 017	2.0	22 932	2.2
Columbia	17	6.8	265	1.0	81 878	.5	377	1.1	17 271	1.6	38 736	1.5
Crawford	5	12.2	(D)	(D)	(D)	(D)	841	.7	61 228	1.0	130 095	1.1
Cumberland	5	16.2	8	17.1	1 720	19.4	684	.8	37 504	1.1	87 079	1.2
Dauphin	6	8.0	(D)	(D)	(D)	(D)	372	1.1	19 216	1.5	45 229	1.4
Delaware	–	–	–	–	–	–	15	7.5	784	5.2	1 394	7.5
Elk	3	20.9	3	34.0	515	30.1	125	1.3	5 286	2.9	10 081	3.2
Erie	27	5.2	2 781	.5	672 819	.5	579	1.0	35 067	1.4	76 377	1.4
Fayette	9	10.6	11	15.9	2 076	25.3	591	.8	32 532	1.4	60 337	1.7
Forest	–	–	–	–	–	–	27	2.2	1 591	5.8	3 158	5.3
Franklin	15	8.3	144	24.8	(D)	(D)	969	.6	67 279	.7	143 393	.7
Fulton	7	12.9	6	16.7	944	17.1	369	.8	26 108	1.4	48 915	1.8
Greene	5	12.9	1	12.9	111	12.7	553	.8	31 197	1.3	52 181	1.4
Huntingdon	9	10.8	14	14.4	2 562	15.0	475	.7	35 564	.9	75 866	1.2
Indiana	8	10.6	15	14.1	2 506	13.2	541	.9	33 487	1.3	66 486	1.6
Jefferson	6	10.7	16	6.2	3 540	5.1	353	.7	25 822	1.3	47 806	1.7
Juniata	7	12.3	3	23.2	312	20.4	404	.9	19 953	1.5	48 206	1.6
Lackawanna	10	9.8	18	11.9	4 332	13.8	158	1.4	10 081	2.5	19 627	2.3
Lancaster	91	3.2	720	1.9	217 609	1.1	2 997	.7	82 627	.7	237 069	.7
Lawrence	1	34.6	(D)	(D)	(D)	(D)	490	.9	20 584	1.4	44 142	1.9
Lebanon	5	15.1	6	25.7	1 164	20.3	557	.7	23 566	.9	61 385	1.0
Lehigh	16	6.1	666	2.4	124 960	3.2	204	1.5	11 132	1.7	25 437	2.0
Luzerne	24	6.5	356	3.3	84 469	3.3	255	1.4	12 090	2.1	20 956	2.2
Lycoming	10	9.6	164	1.7	44 959	1.7	574	.9	31 231	1.3	60 968	1.6
McKean	3	18.1	7	19.4	1 470	19.4	157	1.4	9 327	2.5	16 790	2.7
Mercer	10	11.0	33	14.7	7 760	15.8	770	.7	39 695	1.2	91 170	1.3
Mifflin	21	7.8	21	12.3	4 803	11.5	487	.8	21 495	1.3	50 485	1.2
Monroe	7	12.7	17	13.5	2 095	14.9	90	2.2	3 069	3.6	5 345	3.9
Montgomery	2	26.4	(D)	(D)	(D)	(D)	227	1.6	9 690	2.6	20 216	3.6
Montour	1	32.1	(D)	(D)	(D)	(D)	169	1.2	7 231	2.0	15 291	2.1
Northampton	9	11.8	133	22.5	31 316	23.4	197	1.7	10 647	2.6	30 777	2.9
Northumberland	9	10.0	200	3.1	64 099	1.9	340	1.1	14 670	1.6	33 172	1.8
Perry	8	11.8	15	17.9	1 187	14.1	422	.8	31 295	.9	68 471	.9
Philadelphia	–	–	–	–	–	–	–	–	–	–	–	–
Pike	1	–	(D)	(D)	(D)	(D)	17	4.0	696	6.6	1 026	8.0
Potter	10	8.5	556	1.1	145 285	.9	212	1.2	22 573	2.0	44 859	1.8
Schuylkill	37	4.0	1 254	2.4	347 582	2.2	334	1.1	15 625	1.5	34 598	1.6
Snyder	28	6.5	30	13.5	4 140	11.2	472	.9	21 594	1.8	48 875	1.7
Somerset	10	10.8	210	13.6	48 876	14.5	772	.6	64 667	.8	127 508	1.0
Sullivan	1	43.3	(D)	(D)	(D)	(D)	107	1.0	11 073	1.6	18 176	1.8
Susquehanna	4	13.5	5	20.2	840	23.7	579	.7	60 581	1.1	100 747	1.2
Tioga	9	10.4	15	15.5	2 478	13.1	687	.7	81 407	.9	154 033	1.0
Union	2	20.4	(D)	(D)	(D)	(D)	349	1.1	16 205	2.6	36 807	2.6
Venango	2	16.5	(D)	(D)	(D)	(D)	276	.9	12 830	1.5	25 790	1.8
Warren	2	–	(D)	(D)	(D)	(D)	290	.9	17 069	1.6	36 389	1.7
Washington	11	8.5	27	7.9	6 160	5.2	1 036	.7	59 973	1.1	113 909	1.1
Wayne	2	19.9	(D)	(D)	(D)	(D)	486	.7	41 149	1.3	69 910	1.6
Westmoreland	18	7.4	30	15.0	6 384	14.1	746	.8	38 985	1.3	79 022	1.4
Wyoming	5	12.6	41	4.7	(D)	(D)	234	1.1	18 136	1.5	33 746	1.7
York	46	4.0	255	4.1	44 087	4.1	964	.8	40 750	1.1	82 166	1.2

	Selected crops harvested—Con.			
	Land in orchards			
	Farms		Acres	
Geographic area	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Pennsylvania .	**2 069**	**.8**	**56 029**	**.7**
Adams	160	1.8	20 563	.8
Allegheny	25	6.3	109	4.6
Armstrong	13	7.7	107	12.0
Beaver	27	6.4	218	12.6

See footnotes at end of table.

[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)
Bedford	33	4.7	1 033	2.8
Berks	77	3.3	1 590	2.3
Blair	9	10.7	355	1.8
Bradford	19	6.9	167	9.9
Bucks	40	4.6	386	7.3
Butler.................	27	6.3	89	8.6
Cambria	13	8.2	47	11.3
Cameron	5	7.2	35	12.0
Carbon	17	6.9	65	9.8
Centre	32	5.9	295	3.5
Chester	40	5.1	525	5.1
Clarion................	16	6.7	98	10.6
Clearfield	10	8.2	79	16.3
Clinton................	6	13.3	35	27.7
Columbia	35	4.6	473	9.1
Crawford..............	27	5.8	106	10.1
Cumberland	40	4.8	1 061	6.0
Dauphin	25	5.9	290	2.7
Delaware	4	18.4	55	4.5
Elk	7	12.1	18	13.5
Erie	303	1.5	13 566	1.6
Fayette	19	7.0	47	10.4
Forest	−	−	−	−
Franklin...............	53	3.7	4 294	1.8
Fulton	8	11.3	12	15.1
Greene	19	7.2	67	10.2
Huntingdon	16	7.1	87	10.5
Indiana	25	6.8	144	12.7
Jefferson..............	13	7.8	53	4.5
Juniata	20	6.8	415	10.0
Lackawanna...........	18	7.4	73	16.1
Lancaster	122	2.8	918	4.0
Lawrence	24	6.5	124	5.9
Lebanon	20	6.7	148	11.2
Lehigh	41	4.3	723	3.9
Luzerne...............	47	4.7	441	7.1
Lycoming	40	4.8	751	4.6
McKean...............	11	9.5	37	12.5
Mercer................	27	6.2	213	19.3
Mifflin.................	28	6.1	208	9.1
Monroe	13	8.7	97	7.0
Montgomery	20	7.0	186	10.9
Montour	6	10.0	(D)	(D)
Northampton	32	5.6	282	5.4
Northumberland........	28	5.1	297	3.9
Perry	15	7.0	65	10.8
Philadelphia	−	−	−	−
Pike	7	8.2	14	6.2
Potter	9	10.7	20	23.7
Schuylkill..............	47	4.2	607	6.3
Snyder................	31	6.3	712	7.9
Somerset	20	6.6	147	11.2
Sullivan	2	20.8	(D)	(D)
Susquehanna..........	11	10.2	77	24.3
Tioga	22	6.5	203	17.3
Union.................	12	9.7	110	18.0
Venango	6	10.5	9	10.5
Warren	15	7.0	46	9.1
Washington	36	5.1	431	9.7
Wayne................	43	4.3	207	5.5
Westmoreland	40	4.9	172	6.2
Wyoming..............	12	8.3	105	13.1
York..................	81	3.2	2 011	3.7

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

Table G. Coverage Estimates: 1997

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

Item	Census total	Coverage total[1]	Adjusted census Total	Relative standard error (percent)	Coverage adjustment (percent)
Farms .... number..	45 457	14 731	60 188	3.1	24.5
Land in farms .... acres..	7 167 906	756 038	7 923 944	1.8	9.5
Average size of farm .... acres..	158	51	132	(X)	(X)
Farms by size of farm:					
Less than 10 acres	3 431	1 542	4 973	11.6	31.0
10 to 49 acres	9 833	7 906	17 739	7.4	44.6
50 to 179 acres	19 941	4 691	24 632	3.9	19.0
180 acres or more	12 252	592	12 844	1.8	4.6
Farms by value of sales:					
Less than $2,500	10 299	9 842	20 141	6.6	48.9
$2,500 to $9,999	10 582	2 927	13 509	5.2	21.7
$10,000 or more	24 576	1 962	26 538	2.4	7.4
Market value of agricultural products sold .... $1,000..	3 997 565	94 249	4 091 814	.9	2.3
Farms by type of organization:					
Individual or family...	40 176	14 376	54 552	3.4	26.4
Partnership, corporation, or other	5 281	355	5 636	9.2	6.3
Farms by tenure of operator:					
Full owners	26 602	11 964	38 566	4.4	31.0
Part owners	14 198	2 221	16 419	4.2	13.5
Tenants	4 657	546	5 203	3.3	10.5
Operators by place of residence:					
On farm operated	36 616	12 871	49 487	3.4	26.0
Not on farm operated	5 470	1 814	7 284	9.3	24.9
Not reported	3 371	46	3 417	3.3	1.3
Operators by principal occupation:					
Farming	25 635	5 071	30 706	3.2	16.5
Other	19 822	9 660	29 482	5.1	32.8
Operators by sex:					
Male	42 208	13 686	55 894	3.2	24.5
Female..	3 249	1 045	4 294	11.8	24.3
Operators by race:					
White	45 331	14 704	60 035	3.1	24.5
Black and other races	126	27	153	54.2	17.6
Operators by years on present farm:					
4 years or less	4 469	2 285	6 754	12.7	33.8
5 years or more	33 533	9 075	42 608	2.6	21.3
Not reported	7 455	3 371	10 826	10.4	31.1

[1] See text in Appendix C regarding coverage estimates.