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 nonrespondents 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..	10.4	Corn for grain or seed .... acres..	3.2
Land in farms .... acres..	6.9	Wheat for grain .... acres..	3.2
Estimated market value of land and buildings[1] .... $1,000..	7.3	Livestock and poultry inventory:	
Market value of agricultural products sold .... $1,000..	2.3	Cattle and calves .... number..	6.9
Harvested cropland .... acres..	5.3	Hogs and pigs .... number..	1.0
		Layers 20 weeks old and older .... number..	1.3

[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	5.4	25	37.0
50	3.3	50	26.2
75	2.1	75	21.5
100	1.1	100	18.6
150	.9	150	15.3
200	.8	200	13.3
300	.7	300	11.0
500	.5	500	8.6
750	.4	750	7.2
1,000	.4	1,000	6.4
1,500	.3	1,500	5.4
2,000	.3	2,000	4.9

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..	41 095	.4	Total farm production expenses ....farms..	41 075	.4
Land in farms ....acres..	8 228 226	.3	$1,000..	1 924 690	.2
Average size of farm ....acres..	200	.5	Average per farm ....dollars..	46 858	.5
			Livestock and poultry purchased ....farms..	12 700	1.5
			$1,000..	208 871	.9
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			Feed for livestock and poultry ....farms..	23 331	.9
			$1,000..	649 741	.2
			Commercially mixed formula feeds ....farms..	14 053	1.4
			$1,000..	567 206	.2
Total sales (see text) ....farms..	41 095	.4	Seeds, bulbs, plants, and trees ....farms..	15 959	1.2
$1,000..	2 343 518	.1	$1,000..	51 074	.8
Average per farm ....dollars..	57 027	.4	Commercial fertilizer ....farms..	26 695	.8
Farms by value of sales:			$1,000..	113 688	.7
Less than $1,000 (see text) ....farms..	5 225	.7	Agricultural chemicals ....farms..	16 382	1.2
$1,000..	1 301	.9	$1,000..	69 655	.7
$1,000 to $2,499 ....farms..	5 774	.7	Petroleum products ....farms..	38 656	.5
$1,000..	9 760	.7	$1,000..	79 765	.6
$2,500 to $4,999 ....farms..	6 754	.6	Electricity ....farms..	21 392	1.0
$1,000..	24 398	.6	$1,000..	27 444	.7
$5,000 to $9,999 ....farms..	7 203	.5	Hired farm labor ....farms..	14 921	1.3
$1,000..	51 337	.5	$1,000..	192 798	.5
$10,000 to $19,999 ....farms..	5 678	.5	Contract labor ....farms..	3 320	3.2
$1,000..	79 754	.5	$1,000..	14 269	2.3
$20,000 to $24,999 ....farms..	1 333	.9	Repair and maintenance ....farms..	33 209	.6
$1,000..	29 465	.9	$1,000..	113 211	.8
$25,000 to $39,999 ....farms..	2 265	.7	Customwork, machine hire, and rental of machinery and equipment ....farms..	8 936	1.9
$1,000..	70 959	.7	$1,000..	19 619	1.4
$40,000 to $49,999 ....farms..	777	1.1	Interest ....farms..	12 402	1.5
$1,000..	34 425	1.1	$1,000..	85 752	1.2
$50,000 to $99,999 ....farms..	1 965	.8	Secured by real estate ....farms..	8 225	1.9
$1,000..	138 522	.8	$1,000..	61 076	1.6
$100,000 to $249,999 ....farms..	1 858	.4	Not secured by real estate ....farms..	6 681	2.1
$1,000..	299 616	.3	$1,000..	24 676	1.2
$250,000 to $499,999 ....farms..	1 177	–	Cash rent ....farms..	9 733	1.6
$1,000..	416 158	–	$1,000..	62 469	.9
$500,000 or more.............................farms..	1 086	–	Property taxes.....................................farms..	39 188	.4
$1,000..	1 187 824	–	$1,000..	56 889	.9
Sales by commodity or commodity group:			All other farm production expenses..................farms..	35 852	.5
Crops, including nursery and greenhouse crops.....farms..	18 245	.4	$1,000..	179 447	.4
$1,000..	780 099	.2			
Grains.......................................farms..	5 202	.4			
$1,000..	204 389	.2	**NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]**		
Corn for grain ....farms..	2 811	.5			
$1,000..	70 480	.3			
Wheat.....................................farms..	2 798	.5	All farms...number..	41 075	.4
$1,000..	47 953	.3	$1,000..	364 331	1.1
Soybeans.................................farms..	3 101	.5	Average per farm ....dollars..	8 870	1.1
$1,000..	77 911	.3	Farms with net gains[2] ....number..	20 731	.9
Sorghum for grain ....farms..	112	2.1	$1,000..	501 168	.6
$1,000..	837	1.5	Average net gain ....dollars..	24 175	1.1
Barley.....................................farms..	574	.9	Farms with net losses ....number..	20 344	1.0
$1,000..	6 713	.4	$1,000..	136 837	1.4
Oats ....farms..	124	2.5	Average net loss...............................dollars..	6 726	1.8
$1,000..	273	2.6			
Other grains ....farms..	88	2.1			
$1,000..	222	2.1	**GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME**		
Cotton and cottonseed ....farms..	439	.8			
$1,000..	42 342	.2			
Tobacco ....farms..	5 866	.5	Government payments ....farms..	7 972	.4
$1,000..	187 358	.3	$1,000..	23 277	.3
Hay, silage, and field seeds ....farms..	7 494	.5	Other farm-related income[1] ....farms..	12 625	1.6
$1,000..	34 306	.6	$1,000..	50 529	2.8
Vegetables, sweet corn, and melons ....farms..	1 008	.9	Customwork and other agricultural services ....farms..	2 596	3.9
$1,000..	45 704	.4	$1,000..	15 646	6.3
Fruits, nuts, and berries ....farms..	751	1.1	Gross cash rent or share payments ....farms..	3 670	3.4
$1,000..	34 606	.5	$1,000..	10 691	5.2
Nursery and greenhouse crops ....farms..	1 671	.8	Forest products, excluding Christmas trees and maple products ....farms..	2 050	4.5
$1,000..	166 411	.2	$1,000..	15 843	5.1
Other crops ....farms..	1 076	.7	Other farm-related income sources.................farms..	7 222	2.1
$1,000..	64 982	.3	$1,000..	8 349	2.6
Livestock, poultry, and their products ....farms..	29 136	.4			
$1,000..	1 563 418	.1			
Poultry and poultry products...................farms..	1 775	.5	**COMMODITY CREDIT CORPORATION LOANS**		
$1,000..	760 221	(L)			
Dairy products...............................farms..	1 296	.5			
$1,000..	271 855	.1	Total ....farms..	558	1.0
Cattle and calves ....farms..	26 350	.4	$1,000..	12 183	.5
$1,000..	389 787	.3			
Hogs and pigs ....farms..	823	1.0			
$1,000..	77 478	.1			
Sheep, lambs, and wool ....farms..	1 391	.8			
$1,000..	4 655	1.4			
Other livestock and livestock products (see text)......................................farms..	2 488	.7			
$1,000..	59 423	.5			
Value of agricultural products sold directly to individuals for human consumption (see text) ....farms..	1 713	.8			
$1,000..	10 594	.8			

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**		
Total cropland ..... farms..	37 177	.4	All operators ..... farms..	41 095	.4
acres..	4 322 425	.3	acres..	8 228 226	.3
Harvested cropland ..... farms..	32 124	.4	Full owners ..... farms..	25 644	.4
acres..	2 520 961	.2	acres..	3 331 035	.4
Farms by acres harvested:			Part owners ..... farms..	12 467	.4
1 to 9 acres ..... farms..	6 827	.6	acres..	4 308 023	.2
acres..	29 051	.6	Tenants ..... farms..	2 984	.7
10 to 19 acres ..... farms..	5 721	.6	acres..	589 168	.5
acres..	76 072	.6			
20 to 29 acres ..... farms..	4 301	.6	**OWNED AND RENTED LAND**		
acres..	98 648	.6			
30 to 49 acres ..... farms..	4 949	.5	Land owned..... farms..	38 172	.4
acres..	182 580	.5	acres..	5 698 758	.3
			Owned land in farms ..... farms..	38 111	.4
50 to 99 acres ..... farms..	4 884	.5	acres..	5 339 255	.3
acres..	326 614	.5	Land rented or leased from others ..... farms..	15 574	.4
100 to 199 acres..... farms..	2 759	.6	acres..	2 925 781	.3
acres..	368 525	.5	landlords..	45 863	.3
200 to 499 acres ..... farms..	1 790	.5	Rented or leased land in farms ..... farms..	15 451	.4
acres..	537 980	.5	acres..	2 888 971	.2
500 to 999 acres ..... farms..	589	.4	Land rented or leased to others ..... farms..	4 819	.6
acres..	404 764	.3	acres..	396 313	1.1
1,000 acres or more..... farms..	304	–			
acres..	496 727	–			
			OPERATOR CHARACTERISTICS		
Cropland:					
Pasture or grazing only ..... farms..	22 869	.4	Operators by place of residence:		
acres..	1 519 882	.4	On farm operated	30 007	.4
Other cropland ..... farms..	7 586	.5	Not on farm operated	7 904	.5
acres..	281 582	.5	Not reported	3 184	.5
			Operators by principal occupation:		
Total woodland ..... farms..	26 604	.4	Farming	18 410	.3
acres..	2 514 073	.3	Other	22 685	.5
Pastureland and rangeland other than cropland and woodland pastured..... farms..	10 198	.4	Operators by days worked off farm:		
acres..	1 074 183	.3	Any	23 215	.4
Land in house lots, ponds, roads, wasteland, etc. ..... farms..	25 220	.4	200 days or more	16 433	.5
acres..	317 545	.5	Operators by sex:		
Irrigated land ..... farms..	2 337	.6	Male ..... farms..	36 672	.4
acres..	84 926	.4	acres..	7 655 805	.2
			Female ..... farms..	4 423	.6
Acres irrigated:			acres..	572 421	.7
1 to 9 acres ..... farms..	1 260	.9			
acres..	3 800	1.1	Average age of operator ..... years..	56.4	.5
10 to 49 acres ..... farms..	653	1.0			
acres..	15 111	.9	**FARMS BY TYPE OF ORGANIZATION**		
50 to 99 acres ..... farms..	221	1.0			
acres..	14 865	.9	Individual or family (sole proprietorship) ..... farms..	35 824	.4
100 to 199 acres ..... farms..	115	.9	acres..	6 153 108	.3
acres..	15 518	.8	Partnership ..... farms..	3 425	.6
200 to 499 acres ..... farms..	68	1.1	acres..	1 132 746	.4
acres..	19 450	1.0	Corporation:		
500 to 999 acres ..... farms..	16	–	Family held ..... farms..	1 462	.7
acres..	10 376	–	acres..	814 319	.4
1,000 acres or more ..... farms..	4	–	More than 10 stockholders ..... farms..	33	2.4
acres..	5 806	–	10 or less stockholders ..... farms..	1 429	.8
			Other than family held ..... farms..	158	2.3
Harvested cropland irrigated ..... farms..	2 250	.6	acres..	46 741	1.9
acres..	81 922	.3	More than 10 stockholders ..... farms..	9	9.3
Pasture and other land irrigated ..... farms..	166	2.3	10 or less stockholders ..... farms..	149	2.4
acres..	3 004	3.7	Other—cooperative, estate or trust, institutional, etc. ..... farms..	226	2.1
Land under Conservation Reserve or Wetlands Reserve Programs ..... farms..	2 144	.7	acres..	81 312	1.6
acres..	90 681	1.1			
			HIRED FARM LABOR[1]		
VALUE OF LAND AND BUILDINGS[1]					
			Hired workers by days worked:		
Estimated market value of land and buildings ..... farms..	41 075	.4	150 days or more ..... farms..	5 561	2.1
$1,000..	15 813 008	.8	workers..	14 513	1.2
Average per farm ..... dollars..	384 979	.9	Less than 150 days ..... farms..	13 570	1.4
Average per acre ..... dollars..	1 920	1.0	workers..	43 313	1.7
VALUE OF MACHINERY AND EQUIPMENT[1]			**INJURIES AND DEATHS**		
Estimated market value of all machinery and equipment ..... farms..	41 075	.4	Farm-related injuries:		
$1,000..	1 718 392	.8	Operator and family members ..... farms..	358	1.5
Average per farm ..... dollars..	41 835	.9	number..	401	1.5
			Hired workers ..... farms..	269	1.1
			number..	432	1.0
AGRICULTURAL CHEMICALS[1]			Farm-related deaths:		
			Operator and family members ..... farms..	14	–
Commercial fertilizer ..... farms..	26 558	.8	number..	14	–
acres on which used..	2 101 660	.8	Hired workers ..... farms..	6	–
			number..	6	–

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..	26 547	.4
			number..	1 639 058	.3
			Beef cows . . . . farms..	21 753	.4
			number..	688 541	.3
			Milk cows . . . . farms..	1 671	.5
1 to 9 acres . . . . farms..	2 864	.7	number..	121 823	.2
acres..	12 050	.8			
10 to 49 acres . . . . farms..	10 283	.6	Cattle and calves sold . . . . farms..	26 350	.4
acres..	282 880	.6	number..	906 897	.3
50 to 69 acres . . . . farms..	3 877	.6	$1,000..	389 787	.3
acres..	225 340	.6	Hogs and pigs inventory . . . . farms..	1 170	.9
70 to 99 acres . . . . farms..	4 362	.6	number..	385 755	.2
acres..	362 573	.6	Hogs and pigs sold . . . . farms..	823	1.0
100 to 139 acres . . . . farms..	4 624	.6	number..	710 320	.1
acres..	538 861	.6	$1,000..	77 478	.1
			Sheep and lambs of all ages inventory . . . farms..	1 456	.8
			number..	73 932	1.1
			Sheep and lambs sold . . . . farms..	1 334	.8
140 to 179 acres . . . . farms..	3 075	.6	number..	56 036	1.3
acres..	485 652	.6			
180 to 219 acres . . . . farms..	2 178	.7	Horses and ponies inventory . . . . . . farms..	7 546	.5
acres..	430 349	.7	number..	50 283	.7
220 to 259 acres . . . . farms..	1 606	.8	Horses and ponies sold . . . . farms..	1 610	.8
acres..	383 163	.8	number..	5 348	1.1
260 to 499 acres . . . . farms..	4 509	.5			
acres..	1 585 407	.5			
500 to 999 acres . . . . farms..	2 469	.5	**POULTRY**		
acres..	1 656 270	.5			
			Layers and pullets 13 weeks old and older inventory (see text) . . . . farms..	1 588	.8
			number..	4 834 867	.6
			Layers 20 weeks old and older . . . . . farms..	1 519	.9
			number..	3 767 755	.6
1,000 to 1,999 acres . . . . farms..	923	–	Broilers and other meat-type chickens sold . . . . farms..	671	.4
acres..	1 219 201	–	number..	258 684 455	.1
2,000 acres or more . . . . farms..	325	–			
acres..	1 046 480	–			
			SELECTED CROPS HARVESTED		
			Corn for grain or seed . . . . farms..	4 395	.4
			acres..	318 208	.3
			bushels..	29 480 704	.2
FARMS BY NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM			Corn for silage or green chop . . . . . . farms..	2 646	.4
			acres..	143 216	.2
			tons, green..	1 901 978	.2
			Wheat for grain . . . . farms..	2 888	.5
			acres..	257 063	.3
			bushels..	15 504 394	.3
			Barley for grain . . . . farms..	854	.7
			acres..	51 096	.4
			bushels..	3 842 722	.4
Oilseed and grain farming (1111) . . . . . . farms..	2 729	.6	Tobacco . . . . farms..	5 870	.5
acres..	1 063 436	.4	acres..	54 035	.4
Vegetable and melon farming (1112) . . . . . farms..	593	1.3	pounds..	115 735 107	.3
acres..	97 916	.9	Soybeans for beans . . . . farms..	3 135	.5
Fruit and tree nut farming (1113) . . . . . . farms..	616	1.2	acres..	487 001	.3
acres..	88 871	1.1	bushels..	11 406 611	.3
Greenhouse, nursery, and floriculture production (1114) . . . . farms..	1 366	.9	Potatoes, excluding sweetpotatoes . . . . . farms..	358	1.6
acres..	8 317	.9	acres..	5 925	.6
Other crop farming (1119) . . . . farms..	8 875	.5	cwt..	1 109 759	.5
acres..	1 775 494	.4	Sweetpotatoes . . . . farms..	103	3.0
Beef cattle ranching and farming (112111) . . . . farms..	20 369	.4	acres..	606	4.1
acres..	3 915 403	.3	bushels..	114 871	8.5
Cattle feedlots (112112) . . . . farms..	788	1.1	Peanuts for nuts . . . . farms..	702	.6
acres..	167 018	1.0	acres..	74 867	.3
Dairy cattle and milk production (11212) . . . . farms..	1 152	.5	pounds..	190 590 588	.3
acres..	535 690	.3	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) . . . . farms..	25 028	.4
Hog and pig farming (1122) . . . . farms..	254	1.8	acres..	1 189 425	.3
acres..	41 494	1.1	tons, dry..	2 291 672	.3
Poultry and egg production (1123) . . . . . . farms..	1 252	.4	Alfalfa hay . . . . farms..	4 837	.5
acres..	176 002	.3	acres..	111 970	.5
Sheep and goat farming (1124) . . . . farms..	588	1.4	tons, dry..	307 114	.5
acres..	48 175	2.3	Vegetables harvested for sale (see text) . . . . farms..	1 008	.9
Animal aquaculture and other animal production (1125, 1129) . . . . farms..	2 513	.8	acres..	25 479	.5
acres..	197 410	1.0	Land in orchards . . . . farms..	1 080	1.0
			acres..	27 650	.8

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

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]**		
Farms ....number..	16 139	.3	Total farm production expenses ....farms..	16 068	.3
Land in farms ....acres..	5 867 187	.2	$1,000..	1 789 794	.2
Average size of farm ....acres..	364	.4	Average per farm ....dollars..	111 389	.4
			Livestock and poultry purchased ....farms..	7 109	1.6
			$1,000..	197 967	.9
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD			Feed for livestock and poultry ....farms..	10 650	1.0
			$1,000..	636 840	.2
			Commercially mixed formula feeds ....farms..	7 206	1.6
			$1,000..	562 055	.2
Total sales (see text) ....farms..	16 139	.3	Seeds, bulbs, plants, and trees ....farms..	9 460	1.3
$1,000..	2 256 722	.1	$1,000..	49 076	.8
Average per farm ....dollars..	139 830	.3	Commercial fertilizer ....farms..	12 651	.8
Farms by value of sales:			$1,000..	100 473	.8
$10,000 to $19,999 ....farms..	5 678	.5	Agricultural chemicals ....farms..	9 708	1.2
$1,000..	79 754	.5	$1,000..	66 524	.7
$20,000 to $24,999 ....farms..	1 333	.9	Petroleum products ....farms..	15 885	.4
$1,000..	29 465	.9	$1,000..	68 312	.6
$25,000 to $39,999 ....farms..	2 265	.7	Electricity ....farms..	11 637	1.0
$1,000..	70 959	.7	$1,000..	24 719	.7
$40,000 to $49,999 ....farms..	777	1.1	Hired farm labor ....farms..	8 932	1.4
$1,000..	34 425	1.1	$1,000..	189 042	.5
$50,000 to $99,999 ....farms..	1 965	.7	Contract labor ....farms..	1 936	3.7
$1,000..	138 522	.7	$1,000..	13 146	2.4
$100,000 to $249,999 ....farms..	1 858	.4	Repair and maintenance ....farms..	14 687	.6
$1,000..	299 616	.3	$1,000..	92 103	.8
$250,000 to $499,999 ....farms..	1 177	–	Customwork, machine hire, and rental of machinery and equipment ....farms..	4 958	2.1
$1,000..	416 158	–	$1,000..	17 515	1.3
$500,000 or more...........................farms..	1 086	–	Interest ....farms..	7 821	1.5
$1,000..	1 187 824	–	$1,000..	73 618	1.2
Sales by commodity or commodity group:			Secured by real estate ....farms..	5 020	2.1
Crops, including nursery and greenhouse crops.....farms..	9 535	.4	$1,000..	50 557	1.7
$1,000..	753 930	.1	Not secured by real estate ....farms..	4 635	2.2
Grains......................................farms..	4 012	.4	$1,000..	23 061	1.2
$1,000..	201 146	.2	Cash rent ....farms..	6 771	1.7
Corn for grain ....farms..	2 308	.5	$1,000..	60 483	1.0
$1,000..	69 431	.2	Property taxes...................................farms..	15 465	.4
Wheat...................................farms..	2 453	.4	$1,000..	34 588	1.1
$1,000..	47 367	.2	All other farm production expenses..................farms..	16 068	.3
Soybeans................................farms..	2 525	.4	$1,000..	165 387	.5
$1,000..	76 424	.2			
Sorghum for grain ....farms..	98	1.8	**NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)[1]**		
$1,000..	808	1.3			
Barley...................................farms..	527	.8			
$1,000..	6 648	.4	All farms..number..	16 068	.3
Oats ....farms..	99	2.6	$1,000..	411 777	.9
$1,000..	255	2.7	Average per farm ....dollars..	25 627	.9
Other grains ....farms..	82	2.1	Farms with net gains[2] ....number..	11 868	.9
$1,000..	214	2.0	$1,000..	482 697	.6
Cotton and cottonseed ....farms..	425	.7	Average net gain ....dollars..	40 672	1.1
$1,000..	42 284	.2	Farms with net losses ....number..	4 200	2.5
Tobacco....................................farms..	3 429	.5	$1,000..	70 921	2.0
$1,000..	178 055	.3	Average net loss................................dollars..	16 886	3.2
Hay, silage, and field seeds ....farms..	3 019	.5			
$1,000..	25 238	.7	**GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME**		
Vegetables, sweet corn, and melons ....farms..	637	1.0			
$1,000..	44 714	.4			
Fruits, nuts, and berries ....farms..	412	1.2			
$1,000..	33 825	.4	Government payments ....farms..	5 022	.4
Nursery and greenhouse crops ....farms..	899	.9	$1,000..	19 540	.3
$1,000..	164 045	.2	Other farm-related income[1] ....farms..	6 188	1.9
Other crops ....farms..	879	.6	$1,000..	34 930	3.5
$1,000..	64 623	.2	Customwork and other agricultural services ....farms..	1 323	4.9
			$1,000..	11 773	7.8
Livestock, poultry, and their products ....farms..	12 522	.3	Gross cash rent or share payments ....farms..	1 413	5.3
$1,000..	1 502 791	.1	$1,000..	5 442	8.1
Poultry and poultry products...................farms..	1 320	.4	Forest products, excluding Christmas trees and maple products ....farms..	921	6.2
$1,000..	759 930	(L)	$1,000..	10 171	6.2
Dairy products...............................farms..	1 270	.5	Other farm-related income sources..................farms..	4 234	2.5
$1,000..	271 740	.1	$1,000..	7 544	2.4
Cattle and calves ....farms..	11 408	.3			
$1,000..	334 506	.2	**COMMODITY CREDIT CORPORATION LOANS**		
Hogs and pigs ....farms..	482	1.1			
$1,000..	76 929	.1			
Sheep, lambs, and wool ....farms..	607	1.0			
$1,000..	3 407	1.9			
Other livestock and livestock products (see text)..farms..	934	.9			
$1,000..	56 279	.5			
Value of agricultural products sold directly to individuals for human consumption (see text) ....farms..	742	1.0	Total ....farms..	494	1.0
$1,000..	9 380	.9	$1,000..	12 107	.5

See footnotes at end of table.

[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..	12 870	.3
Total cropland .... farms..	15 189	.3	acres..	4 054 319	.2
acres..	3 271 847	.2	Partnership .... farms..	1 983	.7
Harvested cropland .... farms..	14 330	.3	acres..	949 332	.4
acres..	2 101 058	.2	Corporation:		
Cropland:			Family held .... farms..	1 093	.7
Pasture or grazing only .... farms..	9 018	.3	acres..	765 494	.3
acres..	989 472	.4	More than 10 stockholders .... farms..	28	1.7
Total woodland .... farms..	10 958	.3	10 or less stockholders .... farms..	1 065	.7
acres..	1 565 057	.3	Other than family held .... farms..	98	2.3
Pastureland and rangeland other than cropland and			acres..	38 018	1.4
woodland pastured................................ farms..	4 654	.4	More than 10 stockholders .... farms..	2	—
acres..	837 341	.3	10 or less stockholders .... farms..	96	2.3
Land in house lots, ponds, roads, wasteland, etc. .... farms..	10 124	.3	Other—cooperative, estate or trust, institutional, etc. .... farms..	95	2.8
acres..	192 942	.5	acres..	60 024	1.6
Irrigated land .... farms..	1 741	.6			
acres..	81 258	.4	**HIRED FARM LABOR[1]**		
Harvested cropland irrigated .... farms..	1 713	.6	Hired workers by days worked:		
acres..	79 102	.3	150 days or more .... farms..	4 164	2.1
Pasture and other land irrigated .... farms..	83	2.6	workers..	13 074	1.2
acres..	2 156	3.9	Less than 150 days .... farms..	7 654	1.6
Land under Conservation Reserve or Wetlands			workers..	30 634	1.9
Reserve Programs .... farms..	888	.9			
acres..	41 606	1.3	**INJURIES AND DEATHS**		
			Farm-related injuries:		
VALUE OF LAND AND BUILDINGS[1]			Operator and family members .... farms..	177	1.8
			number..	199	1.8
Estimated market value of land and buildings .... farms..	16 068	.3	Hired workers .... farms..	235	1.0
$1,000..	10 435 911	.9	number..	388	.7
Average per farm ....dollars..	649 484	1.0	Farm-related deaths:		
Average per acre ....dollars..	1 786	1.2	Operator and family members .... farms..	10	—
			number..	(D)	(D)
VALUE OF MACHINERY AND EQUIPMENT[1]			Hired workers .... farms..	4	—
			number..	(D)	(D)
Estimated market value of all machinery and					
equipment .... farms..	16 068	.3	**FARMS BY SIZE**		
$1,000..	1 126 001	.9			
Average per farm ....dollars..	70 077	1.0	1 to 9 acres	709	1.1
			10 to 49 acres	1 656	.7
AGRICULTURAL CHEMICALS[1]			50 to 69 acres	864	1.0
			70 to 99 acres	1 160	.8
Commercial fertilizer .... farms..	12 621	.8	100 to 139 acres	1 668	.7
acres on which used..	1 760 873	.8	140 to 179 acres	1 416	.8
			180 to 219 acres	1 135	.9
TENURE OF OPERATOR			220 to 259 acres	981	.9
			260 to 499 acres	3 174	.5
All operators .... farms..	16 139	.3	500 to 999 acres	2 184	.5
acres..	5 867 187	.2	1,000 to 1,999 acres	875	—
Full owners .... farms..	7 258	.4	2,000 acres or more..................................	317	—
acres..	1 705 145	.4			
Part owners .... farms..	7 429	.3	**FARMS BY NORTH AMERICAN INDUSTRY**		
acres..	3 689 545	.2	**CLASSIFICATION SYSTEM**		
Tenants .... farms..	1 452	.8	Oilseed and grain farming (1111)	1 332	.6
acres..	472 497	.6	Vegetable and melon farming (1112)	304	1.5
			Fruit and tree nut farming (1113)	216	1.6
OWNED AND RENTED LAND			Greenhouse, nursery, and floriculture production		
			(1114)	710	1.0
Land owned.. farms..	14 708	.3	Other crop farming (1119)	3 693	.5
acres..	3 587 243	.3	Beef cattle ranching and farming (112111)	6 620	.4
Owned land in farms .... farms..	14 687	.3	Cattle feedlots (112112)	378	1.4
acres..	3 406 403	.3	Dairy cattle and milk production (11212)	1 131	.5
			Hog and pig farming (1122)	102	1.9
Land rented or leased from others .... farms..	8 937	.3	Poultry and egg production (1123)	1 124	.3
acres..	2 486 958	.2	Sheep and goat farming (1124)	61	3.7
landlords..	33 479	.3	Animal aquaculture and other animal production (1125,		
Rented or leased land in farms .... farms..	8 881	.3	1129)	468	1.3
acres..	2 460 784	.2			
Land rented or leased to others..................... farms..	1 878	.7	**LIVESTOCK**		
acres..	207 014	1.7	Cattle and calves inventory.......................... farms..	11 048	.3
			number..	1 258 653	.2
OPERATOR CHARACTERISTICS			Beef cows .... farms..	8 680	.3
			number..	484 908	.3
Operators by place of residence:			Milk cows .... farms..	1 347	.5
On farm operated	11 906	.3	number..	120 740	.2
Not on farm operated................................	2 969	.7	Cattle and calves sold .... farms..	11 408	.3
Not reported	1 264	.6	number..	741 218	.3
Operators by principal occupation:			$1,000..	334 506	.2
Farming	10 357	.3	Hogs and pigs inventory .... farms..	575	1.0
Other	5 782	.5	number..	378 417	.2
Operators by days worked off farm:			Hogs and pigs sold................................ farms..	482	1.1
Any	7 373	.4	number..	704 498	.1
200 days or more	4 502	.5	$1,000..	76 929	.1
Operators by sex:			Sheep and lambs of all ages inventory................ farms..	623	1.0
Male	14 911	.3	number..	50 667	1.4
Female	1 228	.9	Sheep and lambs sold.............................. farms..	594	1.0
Average age of operator ....years..	55.7	.4	number..	39 369	1.7
			Horses and ponies inventory .... farms..	2 341	.6
			number..	18 624	1.0
			Horses and ponies sold............................ farms..	655	1.1
			number..	3 342	1.5

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..	772	.7
			acres..	50 336	.4
Layers and pullets 13 weeks old and older inventory			bushels..	3 799 011	.4
(see text) .... farms..	517	1.1	Tobacco .... farms..	3 431	.5
number..	4 807 859	.6	acres..	50 596	.4
Layers 20 weeks old and older .... farms..	480	1.2	pounds..	109 778 341	.3
number..	3 744 068	.6	Soybeans for beans .... farms..	2 538	.4
			acres..	473 814	.3
			bushels..	11 163 879	.3
Broilers and other meat-type chickens sold .... farms..	648	.3	Potatoes, excluding sweetpotatoes.................... farms..	193	2.0
number..	258 681 609	.1	acres..	5 762	.6
			cwt..	1 094 715	.5
			Sweetpotatoes .... farms..	73	3.2
			acres..	554	4.4
SELECTED CROPS HARVESTED			bushels..	110 195	9.0
			Peanuts for nuts .... farms..	657	.5
			acres..	74 483	.2
			pounds..	189 998 176	.3
Corn for grain or seed .... farms..	3 367	.4	Hay—alfalfa, other tame, small grain, wild, grass		
acres..	309 271	.2	silage, green chop, etc. (see text) .... farms..	10 480	.3
bushels..	28 876 333	.2	acres..	807 975	.3
Corn for silage or green chop........................ farms..	2 261	.4	tons, dry..	1 677 500	.3
acres..	138 705	.2	Alfalfa hay .... farms..	3 000	.5
tons, green..	1 854 663	.2	tons, dry..	256 783	.5
Wheat for grain .... farms..	2 501	.4	Vegetables harvested for sale (see text) .... farms..	637	1.0
acres..	252 425	.3	acres..	24 485	.4
bushels..	15 300 138	.2	Land in orchards................................... farms..	389	1.3
			acres..	23 692	.5

[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.

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USDA, National Agricultural Statistics Service

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..	−2.7	1.1	−4.1	.8
Land in farms .... acres..	−.8	.7	−1.8	.5
Average size of farm .... acres..	1.5	1.3	2.5	1.0
Estimated market value of land and buildings[1]:				
Average per farm .... dollars..	20.1	2.1	20.5	2.0
Average per acre .... dollars..	17.4	2.0	17.6	2.1
Estimated market value of all machinery and equipment[1]:				
Average per farm .... dollars..	26.4	2.2	17.2	1.8
Farms by size:				
1 to 9 acres	−14.7	1.3	−.4	1.6
10 to 49 acres	−.8	1.4	−2.8	1.3
50 to 179 acres	−2.2	.8	−5.8	.7
180 to 499 acres	−1.5	.8	−4.4	.7
500 to 999 acres	−1.9	.9	−3.1	.8
1,000 to 1,999 acres	−6.5	−	−5.9	−
2,000 acres or more	14.0	−	14.0	−
Total cropland.. farms..	−4.1	1.1	−4.9	.8
acres..	.2	.7	−.3	.5
Harvested cropland .... farms..	−6.2	1.0	−5.4	.8
acres..	2.9	.5	2.0	.4
Irrigated land .... farms..	1.1	1.0	1.5	1.0
acres..	37.5	.7	37.2	.6
Market value of agricultural products sold .... $1,000..	14.0	.3	14.9	.2
Average per farm .... dollars..	17.1	1.3	19.8	1.0
Crops, including nursery and greenhouse crops .... $1,000..	12.0	.4	13.3	.3
Livestock, poultry, and their products.................................. $1,000..	15.0	.2	15.7	.2
Farms by value of sales:				
Less than $2,500	4.3	1.2	(X)	(X)
$2,500 to $4,999	−5.7	1.6	(X)	(X)
$5,000 to $9,999	−6.3	1.5	(X)	(X)
$10,000 to $24,999	−5.3	1.0	−5.3	1.0
$25,000 to $49,999	−6.9	1.1	−6.9	1.1
$50,000 to $99,999	1.0	1.2	1.0	1.2
$100,000 to $249,999	−15.4	.3	−15.4	.3
$250,000 to $499,999	−5.2	−	−5.2	−
$500,000 or more	40.1	−	40.1	−
Total farm production expenses[1] .... $1,000..	13.3	.6	14.4	.5
Average per farm .... dollars..	16.5	1.4	20.2	1.2
Net cash return from agricultural sales for the farm unit (see text)[1] .... farms..	−2.7	1.1	−4.8	.9
$1,000..	9.0	1.6	8.8	1.3
Average per farm .... dollars..	12.1	2.1	14.3	1.8
Operators by principal occupation:				
Farming	−5.9	.9	−6.2	.7
Other	.2	1.3	−	1.2
Operators by days worked off farm:				
Any	−1.1	1.2	−1.6	1.0
200 days or more..	−2.2	1.3	−1.4	1.2
Livestock and poultry:				
Cattle and calves inventory .... farms..	−3.9	1.1	−4.2	.8
number..	−.9	.7	−.9	.6
Beef cows .... farms..	−3.4	1.1	−2.0	.9
number..	2.1	.9	2.8	.8
Milk cows.. farms..	−29.5	.6	−25.7	.5
number..	−13.0	.2	−12.9	.2
Cattle and calves sold.. farms..	−2.1	1.1	−3.0	.8
number..	6.0	.7	4.9	.6
Hogs and pigs inventory .... farms..	−43.9	.8	−49.0	.7
number..	−6.5	.3	−6.1	.3
Hogs and pigs sold .... farms..	−48.4	.7	−51.3	.7
number..	−.7	.3	.3	.3
Sheep and lambs inventory .... farms..	−15.7	1.2	−17.3	1.2
number..	−37.2	.9	−40.0	1.0
Layers and pullets 13 weeks old and older inventory (see text) .... farms..	−23.2	1.1	−23.7	1.2
number..	−21.9	.5	−21.8	.5
Broilers and other meat-type chickens sold .... farms..	4.8	.6	4.9	.4
number..	28.3	.2	28.3	.2
Selected crops harvested:				
Corn for grain or seed... farms..	−28.8	.6	−24.5	.6
acres..	−11.9	.3	−11.0	.3
bushels..	−27.4	.3	−27.1	.2
Wheat for grain .... farms..	−21.3	.7	−16.0	.7
acres..	6.6	.5	8.7	.5
bushels..	23.1	.5	24.7	.5
Tobacco.. farms..	−30.5	.9	−21.3	.9
acres..	−2.5	.7	2.7	.7
pounds..	2.2	.7	6.4	.7
Soybeans for beans .... farms..	−15.5	.8	−10.4	.8
acres..	−4.1	.4	−3.2	.4
bushels..	−27.5	.3	−27.0	.3
Peanuts for nuts.. farms..	−24.9	.8	−22.8	.7
acres..	−20.1	.3	−19.9	.3
pounds..	−26.3	.3	−26.2	.3
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc.				
(see text) .... farms..	−1.0	1.1	−2.6	.8
acres..	8.0	.9	6.1	.7
tons, dry..	5.1	.8	2.0	.7
Land in orchards .... farms..	−22.1	1.2	−24.8	1.3
acres..	−16.1	.9	−18.0	.7

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

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APPENDIX C   C–15

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)
Virginia	**41 095**	**.4**	**8 228 226**	**.3**	**200**	**.5**	**384 979**	**.9**	**1 718 392**	**.8**
Accomack...........	268	.4	92 452	.7	345	.8	559 840	3.5	24 932	5.6
Albemarle	747	.5	172 251	1.0	231	1.1	841 369	6.2	30 737	7.3
Alleghany	160	.4	31 063	1.5	194	1.6	238 953	6.2	6 095	7.6
Amelia	336	.4	78 483	1.1	234	1.2	311 776	5.2	12 569	5.1
Amherst	406	.4	92 720	1.0	228	1.1	318 076	5.3	13 487	8.7
Appomattox	353	.5	76 643	.9	217	1.0	224 100	6.4	10 509	8.1
Arlington	1	–	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Augusta.............	1 499	.3	282 152	.5	188	.6	478 650	3.6	61 703	3.5
Bath	129	.4	58 271	1.2	452	1.2	576 986	5.6	4 241	6.8
Bedford	1 198	.3	194 946	.7	163	.8	283 060	6.7	39 324	6.1
Bland	346	.3	83 387	1.0	241	1.1	217 730	7.7	8 806	7.3
Botetourt	505	.4	90 502	.9	179	.9	332 893	5.6	18 533	9.7
Brunswick...........	294	.6	79 163	1.0	269	1.2	330 987	9.2	15 002	12.7
Buchanan	70	.4	6 303	3.9	90	3.9	(D)	(D)	1 852	11.5
Buckingham	370	.5	75 854	1.3	205	1.4	329 399	15.2	10 120	7.5
Campbell	621	.5	140 671	.9	227	1.0	299 573	6.5	22 637	9.0
Caroline	179	.5	55 403	1.2	310	1.3	524 312	3.2	11 003	3.0
Carroll	913	.4	110 201	.9	121	1.0	169 528	5.3	25 526	10.4
Charles City	59	.2	(D)	(D)	(D)	(D)	736 705	3.1	6 237	1.5
Charlotte	493	.5	131 587	.9	267	1.1	317 145	7.2	20 620	7.4
Chesterfield	159	.6	20 151	3.5	127	3.5	373 846	7.4	6 879	3.9
Clarke	325	.4	71 423	1.1	220	1.2	877 322	9.3	12 354	9.7
Craig	176	.3	45 684	1.6	260	1.6	364 567	5.3	6 079	6.6
Culpeper	521	.4	114 926	.9	221	1.0	539 155	7.4	26 208	10.2
Cumberland	248	.4	61 048	1.2	246	1.2	341 454	5.8	10 854	9.1
Dickenson...........	102	.4	9 056	2.8	89	2.8	88 092	10.8	1 487	9.1
Dinwiddie	351	.4	89 260	.8	254	.9	356 169	4.9	19 085	4.7
Essex	114	.4	61 538	1.2	540	1.3	686 099	3.1	12 380	4.5
Fairfax..............	121	.6	12 313	4.3	102	4.3	375 186	7.7	4 186	5.8
Fauquier	957	.4	239 034	.6	250	.7	968 756	3.5	50 771	7.5
Floyd	731	.2	122 613	.7	168	.8	226 640	4.8	30 379	7.7
Fluvanna............	256	.5	58 911	1.1	230	1.2	433 384	8.7	9 923	7.9
Franklin	890	.4	158 735	.6	178	.7	281 879	4.8	41 199	4.1
Frederick............	568	.4	99 926	1.0	176	1.1	466 257	5.3	22 922	7.7
Giles	341	.5	67 245	1.2	197	1.3	300 497	10.4	12 921	13.0
Gloucester	108	.3	23 211	1.5	215	1.6	524 210	4.2	6 365	6.5
Goochland	229	.4	46 789	1.5	204	1.5	591 103	9.4	13 350	11.7
Grayson	854	.3	136 312	.8	160	.8	233 251	6.7	18 766	6.6
Greene	198	.5	33 679	1.9	170	1.9	470 924	11.2	7 424	13.2
Greensville	134	.5	58 342	.6	435	.8	422 938	2.6	9 145	3.1
Halifax..............	940	.5	227 816	.7	242	.8	253 465	5.3	38 106	4.7
Hanover	501	.3	98 201	.7	196	.8	570 051	5.0	24 272	6.0
Henrico	154	.5	26 403	2.3	171	2.3	477 761	6.0	6 431	12.3
Henry................	288	.7	48 430	1.9	168	2.0	242 025	11.3	10 468	8.6
Highland	283	.3	91 342	1.0	323	1.1	374 372	7.5	10 080	10.7
Isle of Wight	190	.3	88 030	.6	463	.6	739 887	3.7	19 971	2.7
James City	58	.8	8 861	1.2	153	1.4	526 737	4.1	2 813	3.7
King and Queen	127	.4	50 823	1.0	400	1.0	441 928	3.5	8 260	3.8
King George..........	139	.3	34 180	1.3	246	1.4	571 875	6.9	6 919	5.2
King William	123	.5	56 169	1.0	457	1.2	705 240	3.4	10 295	1.9
Lancaster	70	.6	17 199	2.2	246	2.3	538 787	5.6	3 991	3.5
Lee.................	1 106	.5	127 420	1.1	115	1.2	136 609	7.0	31 714	5.9
Loudoun	1 032	.5	184 988	.8	179	.9	917 518	4.9	50 216	7.3
Louisa	385	.5	79 019	1.3	205	1.4	370 579	15.1	16 891	13.1
Lunenburg	339	.4	77 762	1.1	229	1.1	243 066	9.0	12 020	9.2
Madison	422	.3	100 016	.6	237	.6	478 398	4.0	18 851	4.5
Mathews.............	58	.6	8 421	4.2	145	4.3	301 235	6.5	2 486	4.7
Mecklenburg	604	.4	166 821	.7	276	.8	300 448	4.3	32 381	5.8
Middlesex............	67	.4	18 263	2.1	273	2.1	457 959	6.7	5 425	2.3
Montgomery	517	.3	93 074	.8	180	.9	325 119	4.9	19 548	7.6
Nelson...............	357	.5	73 200	1.3	205	1.4	329 616	9.6	9 696	6.0
New Kent	64	.3	16 392	1.7	256	1.7	495 662	4.1	3 262	2.6
Northampton	152	.5	56 435	.7	371	.8	730 996	3.3	14 857	3.1
Northumberland........	122	.5	38 151	1.0	313	1.1	475 404	3.8	12 557	5.5
Nottoway.............	317	.5	69 190	1.2	218	1.3	285 767	8.5	12 040	11.0
Orange	437	.5	101 455	.9	232	1.0	556 668	5.5	19 561	8.5
Page	541	.4	67 829	1.1	125	1.2	334 918	8.6	23 895	7.0
Patrick	536	.4	74 190	1.0	138	1.1	200 649	6.7	20 231	10.6
Pittsylvania	1 235	.3	266 879	.6	216	.7	279 910	3.4	58 600	4.4
Powhatan	208	.5	43 088	1.4	207	1.5	445 366	5.9	7 265	6.0
Prince Edward	312	.3	72 927	1.1	234	1.1	283 020	7.5	9 543	9.1
Prince George	133	.3	44 981	1.3	338	1.3	503 761	5.8	7 088	5.2
Prince William	261	.5	35 936	1.3	138	1.4	567 833	4.6	11 142	6.8
Pulaski..............	370	.3	80 406	.8	217	.9	340 528	6.6	15 150	8.9
Rappahannock	335	.3	72 141	.9	215	1.0	727 894	8.6	12 846	7.6
Richmond	139	.3	36 360	1.4	262	1.4	368 093	5.4	10 009	6.5
Roanoke.............	273	.5	26 688	2.1	98	2.2	243 263	8.7	7 223	6.4
Rockbridge...........	631	.4	140 110	.8	222	.9	394 159	6.0	18 735	6.4
Rockingham	1 834	.3	230 409	.4	126	.5	382 956	3.0	86 549	2.2
Russell	1 026	.5	153 111	1.0	149	1.1	188 730	7.1	26 698	6.9
Scott	1 400	.4	137 535	1.0	98	1.1	119 441	4.9	39 889	6.8
Shenandoah..........	841	.3	126 844	.8	151	.8	371 195	7.7	27 206	4.8
Smyth	774	.3	125 116	.9	162	1.0	195 825	3.8	22 084	9.0
Southampton	277	.5	185 496	.5	670	.7	1 029 689	1.9	33 932	3.1

See footnotes at end of table.

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

Geographic area	Farms		Land in farms		Average size of farm		Average market value of land and buildings per farm[1]		Estimated market value of all machinery and equipment[1]	
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Spotsylvania	253	.5	47 947	1.7	190	1.7	526 086	6.6	9 781	6.0
Stafford	158	.5	19 896	2.1	126	2.1	434 509	6.8	6 978	7.0
Surry	115	.4	44 901	1.1	390	1.2	606 075	3.4	10 740	4.5
Sussex	134	.4	81 505	.5	608	.7	786 685	2.4	11 299	2.3
Tazewell	488	.4	133 601	.9	274	1.0	304 234	5.7	14 766	6.7
Warren	259	.4	44 784	1.6	173	1.6	427 750	10.2	10 228	13.0
Washington	1 744	.4	178 496	.8	102	.9	213 310	4.6	52 106	6.2
Westmoreland	160	.3	62 642	.9	392	1.0	639 889	3.9	15 800	3.5
Wise	137	.7	16 159	3.5	118	3.5	223 267	9.5	3 408	11.2
Wythe	734	.3	139 554	.8	190	.8	262 606	4.9	26 605	7.2
York	39	.8	1 976	2.9	51	3.0	577 243	6.2	(D)	(D)
Chesapeake (IC)	201	.4	60 667	.9	302	1.0	675 553	2.2	13 211	2.4
Suffolk (IC)	218	.3	76 222	.6	350	.7	687 535	3.8	27 116	6.3
Virginia Beach (IC)	147	.5	29 958	1.4	204	1.5	455 016	6.8	7 429	2.5

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)
Virginia	**41 835**	**.9**	**2 343 518**	**.1**	**57 027**	**.4**	**41 075**	**.4**	**1 924 690**	**.2**
Accomack	93 379	5.7	84 849	.2	316 601	.5	267	.8	73 145	.5
Albemarle	41 202	7.3	21 450	.7	28 715	.8	746	.7	19 115	5.0
Alleghany	38 096	7.7	2 132	1.4	13 323	1.5	160	1.6	2 553	4.4
Amelia	37 408	5.2	57 543	.1	171 259	.4	336	1.1	47 351	.6
Amherst	33 219	8.8	5 105	1.1	12 575	1.1	406	.8	5 106	4.9
Appomattox	29 771	8.2	6 764	.7	19 161	.9	353	.9	4 905	6.4
Arlington	(D)	(D)	(D)	(D)	(D)	(D)	1	—	(D)	(D)
Augusta	41 108	3.6	138 673	.2	92 510	.3	1 501	.5	123 270	.6
Bath	32 371	7.2	2 011	2.5	15 586	2.6	131	2.2	2 254	5.2
Bedford	32 852	6.1	19 755	.7	16 490	.8	1 197	.5	17 527	4.9
Bland	25 525	7.4	7 088	1.3	20 486	1.3	345	.8	4 931	6.7
Botetourt	36 626	9.7	10 733	.8	21 253	.9	506	.7	8 911	3.8
Brunswick	51 026	12.7	18 063	.7	61 439	.9	294	1.0	13 323	3.4
Buchanan	26 451	11.8	341	2.8	4 874	2.8	70	2.5	(D)	(D)
Buckingham	27 350	7.5	18 084	.4	48 876	.6	370	.9	15 248	2.2
Campbell	36 453	9.0	14 613	.9	23 531	1.0	621	.8	12 556	5.6
Caroline	61 814	3.4	11 599	.7	64 799	.9	178	1.5	8 868	1.7
Carroll	27 990	10.4	18 358	.9	20 108	1.0	912	.6	13 962	3.4
Charles City	105 709	3.0	6 643	.4	112 597	.4	59	2.6	5 933	.6
Charlotte	41 827	7.4	16 518	1.0	33 504	1.1	493	.8	13 746	3.8
Chesterfield	43 537	4.3	8 543	.8	53 730	1.0	158	1.7	6 444	2.3
Clarke	38 129	9.7	13 056	.9	40 174	1.0	324	.8	13 086	4.7
Craig	34 154	6.8	2 635	2.0	14 970	2.0	178	1.7	2 710	5.6
Culpeper	50 400	10.3	21 582	.5	41 424	.6	520	.8	21 462	2.2
Cumberland	43 942	9.1	24 971	.3	100 689	.5	247	.8	21 381	1.8
Dickenson	14 583	9.5	489	2.7	4 790	2.7	102	2.5	490	11.8
Dinwiddie	54 373	4.7	18 143	.5	51 691	.6	351	.5	14 182	2.7
Essex	109 560	4.8	10 287	.9	90 239	.9	113	1.7	9 515	2.0
Fairfax	34 594	6.1	5 233	.8	43 245	1.0	121	1.8	3 536	1.9
Fauquier	53 108	7.5	47 474	.4	49 607	.5	956	.6	38 831	2.0
Floyd	41 444	7.7	30 063	.4	41 126	.5	733	.6	22 605	3.1
Fluvanna	38 762	8.0	6 281	1.1	24 536	1.2	256	1.3	4 553	4.7
Franklin	46 291	4.2	40 924	.3	45 982	.5	890	.6	30 556	2.1
Frederick	40 284	7.7	20 530	.4	36 144	.6	569	.7	17 846	3.5
Giles	37 781	13.0	4 122	1.8	12 089	1.9	342	.8	4 195	16.3
Gloucester	59 482	6.8	5 068	1.3	46 928	1.3	107	1.9	3 917	5.5
Goochland	58 297	11.7	6 857	.6	29 942	.7	229	1.0	5 764	2.9
Grayson	21 974	6.6	19 314	.8	22 616	.9	854	.6	14 790	4.4
Greene	37 496	13.2	4 450	1.3	22 475	1.4	198	1.0	4 184	6.6
Greensville	68 761	3.5	14 465	.6	107 949	.8	133	1.6	11 561	1.8
Halifax	40 582	4.7	40 179	.6	42 743	.8	939	.6	25 915	2.5
Hanover	48 544	6.1	28 727	.4	57 338	.5	500	.6	21 348	1.5
Henrico	42 034	12.5	9 835	.7	63 866	.9	153	1.7	5 364	3.2
Henry	36 347	8.6	8 016	1.0	27 834	1.3	288	1.2	4 915	5.3
Highland	35 619	10.8	12 256	.8	43 308	.9	283	1.1	10 827	3.7
Isle of Wight	105 664	2.8	41 025	.2	215 922	.4	189	.7	35 683	1.5
James City	48 495	4.8	1 892	1.0	32 615	1.2	58	3.1	1 430	1.5
King and Queen	65 555	4.3	10 171	.8	80 083	.9	126	2.1	9 030	1.1
King George	50 140	5.5	4 687	1.3	33 719	1.4	138	1.7	4 020	3.9
King William	84 385	2.7	11 658	.5	94 780	.7	122	1.8	10 486	1.8
Lancaster	57 008	5.1	3 291	2.5	47 016	2.6	70	3.7	3 086	3.3
Lee	28 649	5.9	13 100	1.2	11 844	1.3	1 107	.7	9 226	5.0
Loudoun	48 753	7.4	25 978	.7	25 173	.9	1 030	.5	26 462	4.0
Louisa	43 987	13.1	9 542	1.3	24 785	1.4	384	1.0	7 268	4.3

See footnotes at end of table.

[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)
Lunenburg	35 562	9.2	16 473	.7	48 592	.8	338	.7	12 559	2.4
Madison	44 669	4.6	16 784	.4	39 773	.5	422	.7	14 661	1.9
Mathews	42 864	6.2	3 565	1.5	61 471	1.6	58	4.0	3 363	2.0
Mecklenburg	53 612	5.8	41 948	.5	69 450	.6	604	.6	28 558	2.6
Middlesex	80 976	4.4	5 189	1.0	77 441	1.0	67	3.7	4 541	1.8
Montgomery	37 810	7.7	14 792	.7	28 610	.7	517	.6	10 313	3.1
Nelson	27 236	6.1	6 844	1.4	19 172	1.5	356	.9	5 945	3.9
New Kent	50 973	4.1	2 941	1.3	45 955	1.3	64	3.2	2 702	2.1
Northampton	98 389	3.4	38 597	.2	253 929	.6	151	1.3	25 156	1.0
Northumberland	103 779	5.9	9 645	1.0	79 056	1.1	121	2.2	7 597	2.4
Nottoway	37 982	11.0	22 057	.4	69 579	.6	317	.8	17 619	1.5
Orange	44 864	8.6	25 872	.4	59 205	.6	436	.8	19 502	2.1
Page	44 006	7.0	115 209	.1	212 955	.4	543	.6	100 799	1.0
Patrick	37 674	10.6	13 312	.9	24 837	1.0	537	.7	10 524	4.5
Pittsylvania	47 449	4.4	58 864	.4	47 663	.5	1 235	.5	39 246	1.7
Powhatan	35 099	6.2	6 867	1.4	33 014	1.5	207	1.5	5 409	3.2
Prince Edward	30 684	9.1	13 521	.7	43 336	.8	311	.9	11 244	4.7
Prince George	53 294	5.6	5 829	.9	43 828	.9	133	2.0	5 049	4.3
Prince William	42 690	6.9	9 733	.8	37 290	.9	261	1.1	7 774	2.3
Pulaski	40 945	9.0	12 973	.6	35 062	.7	370	.8	10 904	3.0
Rappahannock	38 348	7.7	5 539	1.1	16 535	1.1	335	.8	4 907	7.4
Richmond	72 005	6.7	8 885	.8	63 921	.9	139	1.5	7 284	2.2
Roanoke	26 456	6.5	5 042	1.8	18 470	1.9	273	1.3	4 527	5.8
Rockbridge	29 597	6.5	15 446	.7	24 478	.8	633	.7	14 019	4.6
Rockingham	47 140	2.2	438 103	.1	238 879	.3	1 836	.4	369 864	.3
Russell	26 022	6.9	18 600	1.1	18 128	1.2	1 026	.6	12 245	6.5
Scott	28 492	6.8	14 205	1.0	10 147	1.1	1 400	.6	9 215	4.9
Shenandoah	32 273	4.8	73 044	.2	86 853	.4	843	.5	64 137	.9
Smyth	28 570	9.1	19 579	.8	25 295	.9	773	.6	15 735	3.0
Southampton	122 941	3.2	55 090	.3	198 881	.5	276	.8	44 487	.8
Spotsylvania	38 661	6.1	6 069	1.4	23 988	1.5	253	1.1	5 275	4.7
Stafford	44 165	7.3	2 043	2.6	12 928	2.7	158	2.0	2 348	7.3
Surry	94 206	4.8	19 536	.4	169 878	.6	114	1.7	18 611	1.1
Sussex	84 323	2.8	(D)	(D)	(D)	(D)	134	1.6	26 257	.5
Tazewell	30 257	6.8	13 037	1.0	26 715	1.1	488	.7	9 193	4.2
Warren	39 643	13.1	5 539	1.0	21 386	1.1	258	1.1	5 275	6.0
Washington	29 895	6.2	50 809	.5	29 134	.6	1 743	.5	36 438	1.6
Westmoreland	99 374	3.9	19 743	.5	123 397	.6	159	1.7	17 021	1.3
Wise	24 878	11.4	1 264	2.8	9 228	2.9	137	2.2	1 113	7.6
Wythe	36 296	7.2	24 415	.6	33 263	.7	733	.5	19 592	2.8
York	(D)	(D)	2 294	2.3	58 822	2.4	39	4.6	1 563	2.6
Chesapeake (IC)	66 055	2.7	36 314	.3	180 665	.5	200	1.2	27 167	.5
Suffolk (IC)	124 959	6.4	38 672	.3	177 392	.4	217	.7	35 731	1.5
Virginia Beach (IC)	50 887	2.9	13 638	.7	92 778	.8	146	1.6	9 399	2.0

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)
Virginia	**12 700**	**1.5**	**208 871**	**.9**	**23 331**	**.9**	**649 741**	**.2**	**15 959**	**1.2**	**51 074**	**.8**
Accomack	74	6.8	11 258	(L)	84	9.5	27 119	.1	203	4.1	2 221	3.2
Albemarle	209	12.6	2 320	10.9	499	6.1	2 448	6.6	193	12.9	304	7.6
Alleghany	63	8.3	426	9.0	104	6.3	373	5.0	36	13.4	38	6.9
Amelia	78	11.3	10 460	.9	177	6.6	22 427	.2	98	10.7	305	5.7
Amherst	144	15.6	647	18.6	294	7.3	550	7.6	95	20.3	96	12.4
Appomattox	113	16.0	387	20.0	218	9.6	847	7.5	92	16.5	102	9.0
Arlington	–	–	–	–	–	–	–	–	1	–	(D)	(D)
Augusta	681	5.8	16 037	3.5	1 087	3.5	64 131	.7	598	6.0	1 499	2.8
Bath	53	10.8	590	16.5	88	6.2	154	5.1	37	13.3	34	22.9
Bedford	369	10.0	1 397	22.4	779	4.7	3 696	8.1	301	11.3	396	7.8
Bland	97	17.8	978	20.1	240	7.0	882	9.0	124	14.8	69	9.1
Botetourt	142	16.3	1 238	10.7	289	8.7	1 656	5.4	106	17.9	116	3.6
Brunswick	52	26.6	956	3.6	112	15.4	2 220	1.0	153	12.3	306	11.4
Buchanan	26	15.3	57	18.9	37	11.7	26	16.7	27	15.3	6	23.3
Buckingham	139	15.2	2 015	2.0	227	9.6	6 856	.7	75	19.8	116	15.5
Campbell	123	15.1	1 014	15.7	287	8.1	1 470	9.1	213	10.7	272	19.7
Caroline	39	17.5	182	5.5	88	8.8	301	7.4	80	9.2	577	2.4
Carroll	317	10.3	3 473	10.4	629	5.1	2 175	7.6	137	16.3	135	12.4
Charles City	9	7.9	65	3.9	20	5.2	196	4.0	34	2.9	455	.6
Charlotte	82	22.1	946	2.4	227	11.6	1 600	2.8	236	10.6	295	8.9
Chesterfield	32	16.0	359	5.6	76	7.4	2 163	.6	59	9.0	240	4.5
Clarke	157	13.3	1 768	21.5	231	9.0	1 917	12.1	68	25.8	170	11.4
Craig	49	12.7	394	17.8	112	6.6	345	8.5	47	13.8	36	17.0
Culpeper	172	13.2	1 643	9.2	360	6.7	2 614	10.0	154	14.8	1 081	1.4

See footnotes at end of table.

[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)
Cumberland	95	13.4	2 367	1.1	115	12.0	13 344	.2	76	12.0	167	21.4
Dickenson	43	13.4	109	23.8	63	7.6	80	14.7	28	17.8	6	27.5
Dinwiddie	46	28.1	91	14.7	161	13.7	1 118	3.2	178	11.8	704	7.6
Essex	21	22.4	109	22.1	36	14.6	106	9.8	81	6.8	761	2.8
Fairfax	14	22.3	26	30.8	52	10.1	352	5.2	41	9.5	234	1.7
Fauquier	326	10.0	3 527	9.1	619	5.3	6 164	3.9	276	11.1	1 195	3.8
Floyd	194	13.1	5 299	6.4	366	7.8	3 162	12.2	155	11.9	1 031	2.1
Fluvanna	66	14.1	815	5.6	203	5.5	919	4.3	75	15.7	59	25.8
Franklin	215	12.1	1 477	6.8	496	6.5	8 253	2.3	329	8.6	647	12.8
Frederick	168	14.0	857	14.7	325	7.9	1 204	15.6	153	14.3	794	8.7
Giles	139	14.4	1 511	41.0	201	10.9	209	14.1	68	25.6	38	25.4
Gloucester	23	18.4	70	29.9	39	10.5	(D)	(D)	56	6.5	411	8.5
Goochland	51	19.1	397	5.7	136	8.3	1 329	2.9	49	20.6	129	3.3
Grayson	327	9.2	3 360	13.0	545	5.7	2 935	7.9	268	12.0	182	6.4
Greene	62	17.6	582	40.0	122	11.2	1 095	2.9	79	16.4	46	13.7
Greensville	19	19.1	231	2.7	43	10.3	433	4.1	96	4.3	841	2.1
Halifax	210	13.9	1 167	3.6	369	8.0	1 246	4.4	584	5.6	846	6.4
Hanover	77	21.1	547	8.9	174	11.6	2 408	4.5	233	9.2	1 359	1.4
Henrico	25	17.8	132	10.5	55	11.9	412	3.3	66	8.7	834	2.5
Henry	80	17.8	1 119	11.6	186	7.8	612	4.3	68	19.9	105	8.5
Highland	163	8.0	2 202	10.8	185	6.7	4 563	1.4	27	26.2	29	6.5
Isle of Wight	68	15.3	2 208	1.8	98	11.2	9 745	.3	155	2.4	1 128	3.7
James City	12	7.0	28	6.6	21	5.9	110	6.3	26	4.2	91	1.3
King and Queen	15	23.6	514	3.5	27	17.6	371	9.2	92	6.3	552	2.2
King George	20	20.3	84	14.2	57	11.9	104	9.0	69	7.5	261	6.8
King William	23	19.1	205	36.8	40	13.9	498	2.3	85	6.1	641	1.6
Lancaster	5	7.2	10	.7	10	8.4	23	16.8	60	4.0	264	6.2
Lee	252	11.2	1 094	13.4	593	5.8	871	9.8	666	5.3	215	12.2
Loudoun	334	9.7	2 284	9.7	584	5.6	2 164	6.3	309	9.9	998	6.9
Louisa	92	18.4	430	9.0	240	7.0	1 831	3.5	114	15.4	129	22.8
Lunenburg	74	22.9	785	8.1	124	16.4	3 615	1.4	89	19.2	201	8.3
Madison	178	12.7	2 199	7.0	321	5.1	2 585	2.3	142	13.3	357	4.0
Mathews	19	6.9	38	9.5	27	6.0	69	22.0	25	6.1	486	2.1
Mecklenburg	171	14.2	891	6.4	262	10.2	2 029	10.9	267	8.3	827	3.9
Middlesex	10	8.6	68	3.7	17	6.7	19	8.5	45	4.4	336	1.8
Montgomery	200	13.3	1 058	14.0	327	7.9	2 110	6.1	185	11.6	333	13.1
Nelson	124	15.6	526	20.2	244	7.8	398	18.1	78	19.8	133	4.3
New Kent	7	10.6	32	21.1	23	5.8	40	7.4	39	3.8	199	2.3
Northampton	8	24.6	(D)	(D)	21	18.2	(D)	(D)	132	3.2	1 759	1.3
Northumberland	12	24.6	33	24.5	18	20.7	35	23.0	100	3.5	707	4.2
Nottoway	80	19.2	1 730	10.6	182	11.9	9 839	.8	82	21.0	137	5.8
Orange	136	14.7	2 124	7.5	275	7.5	5 048	1.6	89	18.4	574	1.2
Page	293	8.0	11 714	4.2	389	5.6	74 256	.7	231	10.4	315	18.4
Patrick	116	17.9	659	27.6	258	9.8	1 380	3.5	199	12.2	351	23.3
Pittsylvania	256	11.5	986	5.8	587	6.7	4 160	2.9	597	5.6	1 117	7.6
Powhatan	55	12.6	289	8.5	112	7.1	1 592	5.6	84	8.5	169	4.5
Prince Edward	94	18.0	2 150	17.9	166	10.4	3 886	1.3	99	16.1	110	11.3
Prince George	33	16.1	61	20.5	48	12.6	155	13.2	65	8.2	428	4.0
Prince William	76	14.6	373	17.1	149	8.3	1 231	5.3	77	14.1	355	4.0
Pulaski	173	12.9	2 563	7.2	231	9.4	1 901	5.4	73	20.3	199	1.3
Rappahannock	84	23.0	292	22.3	210	9.3	635	13.3	77	22.0	134	10.7
Richmond	12	31.0	(D)	(D)	26	19.2	84	5.5	100	4.7	464	3.7
Roanoke	30	24.5	530	17.2	114	12.4	808	8.3	44	16.3	176	8.4
Rockbridge	230	12.5	1 832	20.3	388	8.6	2 994	3.4	164	14.7	223	18.6
Rockingham	1 052	3.9	52 779	1.0	1 380	3.0	228 042	.3	788	5.3	1 616	14.1
Russell	283	11.0	2 737	10.1	597	6.2	1 916	24.9	523	6.9	164	15.6
Scott	314	11.6	925	26.0	695	6.0	1 058	8.9	811	5.0	229	10.4
Shenandoah	397	7.6	6 929	2.2	563	5.5	38 909	.6	298	9.3	414	12.1
Smyth	270	10.1	3 453	11.9	489	6.3	3 047	4.8	388	7.3	252	10.4
Southampton	74	19.1	991	10.0	122	13.8	6 464	1.9	225	6.7	2 805	1.5
Spotsylvania	61	16.5	341	25.4	143	10.2	832	7.8	67	15.0	128	7.7
Stafford	50	12.3	265	5.7	71	9.3	142	19.6	48	11.5	73	10.6
Surry	22	9.5	675	.5	37	8.3	(D)	(D)	87	4.0	689	2.6
Sussex	18	16.1	586	2.1	38	12.2	(D)	(D)	89	5.2	907	2.7
Tazewell	247	9.4	2 443	4.3	327	6.4	1 638	11.7	144	15.9	66	12.8
Warren	73	17.7	560	23.0	166	8.1	2 107	4.7	42	20.3	22	18.1
Washington	503	7.8	6 676	5.2	914	4.6	10 076	1.2	898	4.6	497	5.1
Westmoreland	16	20.1	239	2.0	30	15.7	188	3.5	110	4.6	1 381	1.7
Wise	41	13.3	128	19.3	76	8.0	147	6.0	37	13.1	60	44.5
Wythe	304	9.5	4 214	10.4	546	4.8	4 341	5.4	216	9.8	262	10.7
York	3	19.9	(D)	(D)	9	10.3	46	18.8	20	6.5	(D)	(D)
Chesapeake (IC)	30	10.7	501	2.0	61	8.8	1 209	1.4	119	4.4	3 189	.5
Suffolk (IC)	50	18.0	943	5.0	87	11.4	2 993	11.2	164	5.2	3 585	2.6
Virginia Beach (IC)	16	24.9	146	10.1	35	15.8	1 961	4.2	73	6.5	567	3.5

See footnotes at end of table.

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

Geographic area	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Virginia	**26 695**	**.8**	**113 688**	**.7**	**16 382**	**1.2**	**69 655**	**.7**	**38 656**	**.5**	**79 765**	**.6**
Accomack	193	4.5	3 349	1.5	192	6.4	3 515	4.2	263	.8	1 788	1.1
Albemarle	410	7.7	1 230	6.7	183	13.9	377	12.4	708	2.1	888	8.5
Alleghany	84	7.8	156	13.7	33	14.4	28	7.1	148	2.9	141	7.0
Amelia	188	6.7	961	5.4	111	10.2	465	11.3	304	2.6	1 132	1.5
Amherst	291	7.3	605	11.6	97	19.6	159	8.3	386	2.8	340	8.7
Appomattox	272	6.2	776	13.8	66	20.6	80	9.9	337	3.1	405	10.0
Arlington	1	–	(D)	(D)	1	–	(D)	(D)	1	–	(D)	(D)
Augusta...............	843	4.6	3 028	4.5	655	6.0	1 374	4.9	1 426	1.3	3 276	2.2
Bath	58	9.2	141	6.1	45	12.4	47	11.8	129	2.6	124	6.5
Bedford	880	3.9	2 337	10.9	271	11.0	262	8.9	1 120	1.5	1 005	4.7
Bland.................	256	7.1	479	14.0	120	15.9	139	22.1	335	1.9	300	10.0
Botetourt	297	9.5	747	6.7	138	16.6	234	4.8	480	2.5	399	8.6
Brunswick	215	7.1	958	4.6	135	9.6	703	5.4	273	3.6	1 177	3.8
Buchanan	50	7.8	(D)	(D)	25	16.1	19	17.2	65	4.3	35	18.6
Buckingham	232	8.6	572	21.7	74	20.3	53	26.0	353	3.0	569	6.8
Campbell	366	6.9	1 417	7.7	182	10.9	337	9.0	521	3.0	1 009	9.3
Caroline	129	5.7	1 655	2.4	84	8.2	989	4.4	158	3.3	549	2.4
Carroll	649	5.2	1 353	8.3	228	13.6	300	10.9	876	1.6	794	7.1
Charles City	42	2.8	1 154	.6	37	2.8	731	.5	58	2.7	275	.9
Charlotte.............	344	6.9	1 305	5.3	241	8.9	395	9.4	472	2.6	1 292	6.6
Chesterfield	75	8.6	192	12.5	71	7.7	158	6.6	149	2.6	291	5.8
Clarke	116	16.8	602	10.4	116	16.6	492	2.1	308	3.3	512	5.1
Craig	105	6.8	228	10.4	46	14.0	37	21.8	172	2.2	182	6.1
Culpeper	260	9.3	1 654	7.4	213	11.5	1 118	16.9	489	2.5	1 387	3.5
Cumberland	146	8.8	359	7.9	71	15.8	162	11.0	225	3.4	597	9.5
Dickenson............	62	8.0	40	18.0	39	13.5	5	16.4	93	3.2	34	13.7
Dinwiddie	223	9.2	1 392	3.8	183	8.7	1 421	4.1	318	4.3	1 187	8.7
Essex	86	6.7	1 794	3.0	83	6.1	1 094	3.2	107	2.9	476	2.6
Fairfax	51	9.0	75	9.6	38	13.5	39	15.0	102	4.4	128	5.4
Fauquier	493	7.2	2 680	5.4	309	9.7	1 903	4.9	884	2.2	1 904	3.8
Floyd	504	5.1	1 114	7.0	181	12.6	332	6.9	699	1.9	813	5.0
Fluvanna	152	8.2	399	8.5	61	19.8	65	22.7	235	3.0	341	6.9
Franklin	682	4.1	3 040	4.7	299	8.4	808	9.2	852	1.8	1 540	5.7
Frederick.............	309	8.4	718	8.0	228	11.0	1 647	7.6	549	2.0	838	4.3
Giles	247	7.8	482	11.5	143	15.5	120	20.0	298	5.0	275	12.0
Gloucester	70	7.0	854	6.8	57	8.3	334	8.7	97	3.3	242	5.9
Goochland	104	10.8	448	5.9	26	22.8	218	2.0	215	2.9	293	7.9
Grayson	604	5.2	961	7.8	303	9.9	233	14.8	831	1.7	795	6.9
Greene	114	11.9	402	16.1	39	25.6	47	6.2	180	4.1	178	12.3
Greensville	112	3.0	1 256	2.4	92	4.6	1 890	2.3	133	1.6	835	2.0
Halifax	801	3.1	2 889	3.7	561	4.4	844	5.3	918	1.3	3 051	3.7
Hanover	356	5.0	2 792	2.6	200	8.6	1 270	3.4	476	2.2	1 058	2.4
Henrico	82	8.1	747	7.1	59	8.6	232	22.4	139	2.6	306	2.7
Henry	193	6.7	328	9.0	46	23.7	70	5.4	277	2.4	272	5.5
Highland	91	13.5	182	17.2	46	18.2	86	21.8	262	2.6	419	5.7
Isle of Wight	150	6.0	3 307	3.3	138	5.9	3 527	2.0	183	2.2	1 416	2.6
James City	37	3.5	260	.9	28	4.4	115	1.3	55	3.1	84	1.1
King and Queen	103	5.1	2 070	1.4	74	7.7	1 039	1.5	117	3.6	378	2.2
King George..........	95	6.0	977	3.6	68	8.0	281	5.7	128	3.1	180	6.1
King William	89	6.2	2 069	1.5	78	6.7	1 377	1.5	110	3.8	479	1.5
Lancaster	58	4.0	760	3.3	60	4.0	462	3.5	69	3.8	172	3.8
Lee...................	949	2.5	1 110	6.8	553	6.9	215	11.3	1 040	1.7	805	9.1
Loudoun	398	9.0	2 156	12.4	381	9.0	1 136	9.6	935	2.2	1 522	5.7
Louisa	214	8.7	752	16.9	142	13.8	190	14.0	352	3.0	404	9.8
Lunenburg	205	9.3	800	6.7	113	14.6	218	10.9	294	4.1	792	3.7
Madison	273	6.9	1 321	3.4	162	12.8	459	3.4	380	2.9	690	5.9
Mathews	34	5.2	220	5.9	26	5.8	173	6.4	54	4.1	194	2.4
Mecklenburg	485	4.0	2 659	3.7	272	7.0	1 283	2.9	563	2.5	2 864	4.4
Middlesex	51	4.2	883	3.7	40	4.6	433	2.2	64	3.8	261	1.6
Montgomery	347	6.3	833	9.1	181	12.7	233	7.2	483	2.9	661	7.0
Nelson................	194	10.7	367	11.9	60	25.7	281	1.1	323	3.3	378	10.1
New Kent	49	3.6	506	2.8	37	3.9	348	2.1	62	3.2	165	3.0
Northampton	134	3.0	2 781	1.4	125	2.7	2 699	1.8	151	1.3	1 206	1.3
Northumberland........	98	4.6	1 794	3.9	87	5.7	1 087	4.2	116	3.1	350	3.2
Nottoway.............	172	12.1	592	10.4	101	20.0	175	4.0	300	2.9	634	7.7
Orange	179	12.7	1 134	6.4	97	16.0	554	7.9	405	3.7	755	5.7
Page	198	12.8	392	17.7	243	10.0	379	15.5	541	.6	2 051	3.6
Patrick................	409	5.6	968	8.1	208	10.7	297	11.3	529	1.3	813	8.8
Pittsylvania	968	2.7	3 567	3.5	618	5.1	1 424	3.4	1 135	2.0	4 049	4.0
Powhatan	123	6.5	384	8.5	59	10.6	107	6.2	202	1.9	243	6.0
Prince Edward	180	9.4	657	9.9	118	15.1	216	10.5	299	1.9	442	9.1
Prince George	75	7.3	1 017	5.8	57	7.4	721	4.9	115	4.3	276	5.2
Prince William	138	8.9	600	6.3	83	13.6	242	3.9	240	2.6	335	3.0
Pulaski	241	9.5	794	3.9	91	18.1	244	13.5	361	2.0	537	7.0
Rappahannock	147	14.1	381	12.2	77	17.6	110	12.4	296	4.6	374	9.6
Richmond	116	5.1	1 442	4.2	111	4.8	625	3.5	129	3.3	415	4.2
Roanoke	135	9.2	144	15.6	80	13.7	105	33.0	253	3.3	239	8.9
Rockbridge	357	8.4	958	12.6	197	12.8	308	17.8	611	2.3	738	5.2
Rockingham	829	5.6	3 216	5.5	847	4.9	2 624	3.6	1 716	1.3	6 806	1.4

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	Farm production expenses[1]—Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Russell	863	2.9	839	6.2	509	7.7	245	12.9	971	2.2	679	7.5
Scott	1 193	2.3	1 248	5.3	755	5.5	258	8.9	1 362	1.2	759	6.9
Shenandoah...........	440	7.2	821	10.5	318	10.6	1 027	4.0	773	2.6	1 588	3.1
Smyth	637	4.0	972	7.8	395	7.8	219	7.3	738	1.9	700	6.3
Southampton	231	6.6	4 152	3.3	210	8.0	6 460	1.8	267	1.7	2 052	.8
Spotsylvania...........	156	8.5	547	10.5	71	14.9	171	14.5	238	3.0	274	8.3
Stafford	89	7.2	318	9.8	48	12.7	127	16.2	154	2.4	157	10.4
Surry	95	3.6	1 653	3.3	88	3.1	1 593	4.1	109	2.3	789	2.0
Sussex	105	3.7	1 616	2.4	89	4.8	2 015	1.3	127	2.4	1 139	1.0
Tazewell	279	8.9	361	7.5	154	15.4	84	14.6	452	3.0	408	5.4
Warren	95	12.8	198	22.3	61	18.9	75	27.3	239	3.5	209	9.7
Washington	1 379	2.4	1 950	3.8	827	5.2	427	5.8	1 615	1.6	1 329	4.0
Westmoreland	122	4.1	1 885	5.2	106	4.8	1 312	2.6	159	1.7	664	4.9
Wise	96	6.2	77	10.1	52	11.6	42	23.9	129	3.0	97	9.9
Wythe	449	6.5	1 458	10.1	284	9.5	506	14.5	724	1.1	849	4.8
York	28	5.5	45	5.2	19	6.7	(D)	(D)	35	4.9	(D)	(D)
Chesapeake (IC)	135	3.9	2 057	1.6	118	4.7	1 882	1.2	195	1.2	1 186	1.2
Suffolk (IC)	148	7.9	2 903	5.0	158	5.5	4 024	4.7	211	1.7	1 219	4.4
Virginia Beach (IC)	87	7.0	834	6.0	80	6.8	660	2.1	126	3.7	443	4.0

Geographic area	Farm production expenses[1]—Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Virginia	**21 392**	**1.0**	**27 444**	**.7**	**14 921**	**1.3**	**192 798**	**.5**	**3 320**	**3.2**	**14 269**	**2.3**
Accomack.............	169	8.0	669	.9	137	8.3	8 276	.1	53	14.8	825	.4
Albemarle	372	8.4	362	13.9	303	9.8	2 838	13.1	90	21.8	558	10.9
Alleghany	75	8.0	45	13.6	48	12.2	327	2.8	15	26.2	14	37.5
Amelia	172	5.8	657	1.6	98	9.0	3 902	1.0	22	22.6	178	2.4
Amherst	157	14.7	88	12.7	145	15.1	574	10.4	12	59.4	80	17.7
Appomattox	101	16.2	93	11.1	116	14.9	425	3.5	9	70.8	2	32.0
Arlington	1	–	(D)	(D)	1	–	(D)	(D)	–	–	–	–
Augusta...............	915	4.2	1 503	2.5	571	6.7	7 043	1.4	168	14.6	1 123	4.5
Bath	67	8.4	27	12.3	40	11.4	237	10.6	8	31.2	5	39.0
Bedford	521	7.4	297	6.1	331	9.9	1 366	7.1	94	23.2	123	32.2
Bland	132	14.0	83	13.4	95	18.1	274	5.4	9	47.6	18	22.4
Botetourt	236	11.0	207	10.7	118	20.7	1 103	2.4	37	36.5	42	19.0
Brunswick.............	172	10.2	368	6.5	128	13.8	2 446	10.8	24	29.9	197	1.5
Buchanan	24	15.8	(D)	(D)	18	19.9	14	31.4	2	81.7	(D)	(D)
Buckingham	160	12.7	184	5.0	97	19.6	1 349	5.5	34	42.9	47	35.3
Campbell	344	6.3	253	7.5	180	11.8	1 528	15.2	34	32.7	59	37.1
Caroline	89	8.0	74	4.1	60	9.0	1 013	2.2	12	26.5	49	8.6
Carroll	303	10.5	130	9.6	231	12.3	1 049	5.8	96	22.8	102	21.7
Charles City	45	2.8	86	1.5	21	2.6	954	.1	8	5.7	8	2.7
Charlotte..............	296	8.5	369	9.6	251	10.5	2 215	10.0	30	44.7	60	24.9
Chesterfield	82	7.6	116	3.7	49	9.7	1 530	1.8	8	31.0	12	16.9
Clarke	184	13.6	238	7.7	163	13.0	1 773	4.6	33	35.1	404	.8
Craig	85	7.9	33	11.5	67	8.7	308	7.1	8	34.1	7	36.1
Culpeper	341	6.8	418	3.6	152	14.4	3 372	2.3	8	–	108	–
Cumberland	103	11.4	354	2.7	69	15.3	1 140	17.7	12	38.3	71	2.6
Dickenson.............	30	17.7	7	24.1	27	19.0	17	40.4	14	32.6	4	45.6
Dinwiddie	183	11.9	284	3.9	100	18.3	2 197	3.2	28	35.5	240	6.0
Essex	78	7.3	80	5.0	43	11.2	813	1.1	8	47.1	3	48.6
Fairfax................	73	7.2	94	9.1	34	11.6	1 249	1.4	13	31.5	35	10.4
Fauquier	569	6.0	729	5.6	352	9.3	5 857	1.9	166	15.9	297	16.1
Floyd	290	9.6	186	7.6	175	13.3	3 572	2.3	58	24.3	575	1.2
Fluvanna.............	112	9.2	216	4.3	71	16.3	154	20.0	12	41.4	33	11.5
Franklin..............	440	7.2	545	2.9	251	9.3	4 379	5.3	29	28.4	94	5.0
Frederick.............	383	6.6	260	8.2	204	11.6	5 509	2.4	49	23.0	197	17.1
Giles	113	18.1	35	20.1	110	18.2	121	25.7	44	35.2	28	46.9
Gloucester	68	7.6	48	9.8	39	10.9	358	5.9	6	44.7	(D)	(D)
Goochland	105	12.0	93	8.0	75	14.3	765	1.9	23	30.4	59	26.8
Grayson	335	10.4	172	10.3	328	10.5	1 297	6.4	63	23.7	284	7.9
Greene	84	13.7	72	8.8	27	31.6	179	2.7	19	39.5	54	22.7
Greensville	96	4.4	174	2.1	72	5.1	1 314	2.7	17	15.6	129	6.8
Halifax	571	5.5	633	5.4	511	4.5	4 948	3.9	67	23.1	273	12.8
Hanover	260	8.8	295	3.8	197	10.0	3 882	2.2	24	34.6	226	8.6
Henrico...............	86	7.3	(D)	(D)	40	9.7	1 175	1.0	2	–	(D)	(D)
Henry................	93	16.2	53	5.7	62	19.8	(D)	(D)	6	65.2	(D)	(D)
Highland	150	9.5	152	8.9	74	15.4	484	3.3	25	33.1	70	29.6
Isle of Wight	155	5.2	441	1.9	99	11.9	3 162	1.1	21	35.6	217	12.5
James City	30	4.1	19	5.6	25	4.7	152	1.2	4	8.9	4	2.2
King and Queen	69	6.7	93	2.9	34	11.4	683	1.7	11	25.3	31	16.0
King George	52	11.6	35	8.6	53	9.9	374	9.4	16	26.9	12	54.8

See footnotes at end of table.

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

Geographic area	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
King William	64	8.4	111	3.2	44	11.9	982	2.6	10	29.2	30	15.8
Lancaster	36	4.8	18	4.1	28	5.0	247	5.9	6	8.3	13	8.5
Lee	484	7.7	165	14.0	444	8.4	720	11.9	65	28.3	66	29.7
Loudoun	496	7.2	455	8.9	354	8.7	3 490	5.5	102	20.4	252	11.8
Louisa	194	10.1	95	7.3	77	17.5	489	9.9	42	29.1	37	25.4
Lunenburg	150	13.3	248	6.0	155	10.7	1 782	12.0	66	24.0	239	14.6
Madison	200	10.5	248	8.6	132	14.1	1 474	2.1	37	32.1	170	19.9
Mathews	36	5.1	82	2.5	27	6.0	1 173	.8	5	15.6	5	22.5
Mecklenburg	416	6.1	683	5.9	309	7.7	6 704	3.2	43	26.3	249	13.3
Middlesex	44	4.3	41	1.8	30	4.8	913	.6	7	8.7	50	1.1
Montgomery	298	8.3	170	9.8	164	12.5	1 228	3.5	67	19.9	103	31.5
Nelson	68	24.2	51	8.4	92	20.1	1 143	3.4	31	36.1	83	6.0
New Kent	33	4.1	34	2.3	24	4.4	317	.8	3	11.6	8	2.7
Northampton	117	3.9	347	.8	95	6.0	5 606	.7	29	10.0	519	1.0
Northumberland	72	7.5	47	5.6	34	11.3	528	3.8	11	26.2	24	9.9
Nottoway	166	12.2	216	3.9	113	16.2	1 107	2.8	6	46.8	24	1.7
Orange	227	9.7	259	10.3	155	12.2	2 702	2.0	19	31.3	37	15.9
Page	361	6.6	942	2.5	198	12.0	1 435	3.0	18	32.8	44	2.9
Patrick	219	10.5	142	9.1	172	13.4	1 739	10.4	24	38.4	81	27.7
Pittsylvania	836	4.1	1 075	6.7	542	5.5	6 550	2.8	50	24.2	545	5.7
Powhatan	118	6.5	116	7.2	64	10.8	661	6.6	10	30.3	17	44.4
Prince Edward	175	11.1	369	2.7	104	16.6	755	13.4	20	43.2	48	65.0
Prince George	80	7.9	71	12.1	46	12.3	577	1.3	9	30.8	29	11.5
Prince William	151	8.3	148	8.0	69	15.4	1 478	1.1	24	26.7	26	23.9
Pulaski	216	9.4	153	10.6	144	14.2	1 042	5.0	35	40.5	46	47.8
Rappahannock	138	15.7	87	11.9	128	15.8	509	29.8	35	35.6	46	30.0
Richmond	69	7.9	73	4.3	46	11.0	1 137	4.8	1	–	(D)	(D)
Roanoke	95	13.7	80	14.6	76	14.5	790	12.8	6	40.9	27	10.9
Rockbridge	382	8.6	254	9.2	176	15.1	1 131	5.1	39	27.8	186	39.0
Rockingham	1 344	2.8	4 338	1.5	780	5.1	15 354	.9	152	12.0	858	19.8
Russell	442	8.6	154	11.9	414	9.3	974	9.9	117	19.5	224	19.6
Scott	507	8.4	104	10.3	590	7.6	549	14.8	76	26.0	226	59.2
Shenandoah	516	5.6	677	2.3	269	10.4	3 235	1.9	29	13.1	330	.8
Smyth	407	7.7	186	6.2	331	8.3	1 206	8.1	132	17.1	328	41.8
Southampton	222	7.0	537	2.7	171	8.8	3 866	.9	23	.9	152	.2
Spotsylvania	148	10.0	93	9.0	81	14.3	651	12.5	8	50.9	10	41.7
Stafford	93	7.6	(D)	(D)	40	13.5	159	34.5	4	46.3	(D)	(D)
Surry	80	5.4	272	.9	49	9.4	1 604	1.1	10	14.4	(D)	(D)
Sussex	102	4.2	402	.9	70	5.4	2 399	1.0	6	–	(D)	(D)
Tazewell	191	10.7	112	6.2	214	12.0	923	6.5	39	39.2	88	35.3
Warren	116	11.6	55	21.1	68	20.5	317	28.5	24	37.6	37	45.3
Washington	791	5.7	510	3.4	739	5.8	3 453	3.5	158	16.4	320	14.1
Westmoreland	99	5.5	(D)	(D)	68	7.5	4 649	.6	16	22.7	(D)	(D)
Wise	54	11.1	18	19.8	42	12.8	78	21.6	21	20.9	19	31.5
Wythe	344	8.1	257	6.9	218	12.4	1 379	10.5	67	22.5	76	15.6
York	18	6.9	28	4.6	14	7.2	415	3.1	5	13.6	(D)	(D)
Chesapeake (IC)	141	4.4	728	.6	88	5.5	7 017	.4	26	14.2	268	4.3
Suffolk (IC)	177	4.0	321	3.0	88	12.8	6 593	.9	29	33.9	214	36.1
Virginia Beach (IC)	88	6.3	169	5.5	53	9.9	1 138	2.6	7	30.8	125	7.4

Geographic area	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest			
	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)
Virginia	**33 209**	**.6**	**113 211**	**.8**	**8 936**	**1.9**	**19 619**	**1.4**	**12 402**	**1.5**	**85 752**	**1.2**
Accomack	238	2.7	2 857	2.3	134	8.2	712	4.0	123	8.8	1 721	1.2
Albemarle	634	3.9	2 335	13.2	100	20.6	112	17.6	140	15.4	1 194	16.8
Alleghany	131	4.2	248	16.2	18	18.8	14	23.9	29	15.4	222	20.0
Amelia	249	4.6	1 347	1.9	77	12.8	111	4.9	132	8.7	1 157	6.6
Amherst	340	5.4	549	8.0	47	30.5	61	35.0	78	22.8	329	29.8
Appomattox	292	5.7	485	8.9	74	21.9	32	24.7	60	23.9	302	24.4
Arlington	–	–	–	–	–	–	–	–	1	–	(D)	(D)
Augusta	1 274	2.5	4 945	3.7	403	8.6	1 046	5.5	575	6.7	5 547	5.0
Bath	98	5.4	200	9.9	14	22.6	32	3.5	31	15.5	117	18.1
Bedford	955	3.2	1 790	5.8	258	12.4	215	21.4	274	11.0	1 257	14.2
Bland	291	5.3	517	7.9	66	25.1	40	25.9	51	27.7	179	27.6
Botetourt	400	5.7	720	6.8	35	37.5	51	12.0	111	19.1	430	18.2
Brunswick	236	6.4	888	4.2	78	19.7	156	22.3	91	17.8	628	16.4
Buchanan	47	8.8	42	22.5	11	27.9	4	37.7	9	23.6	(D)	(D)
Buckingham	276	7.4	807	11.5	40	28.8	47	36.4	139	15.1	649	15.4
Campbell	461	4.4	1 232	9.6	104	18.2	103	13.3	218	9.1	1 348	13.1
Caroline	151	4.4	803	2.8	47	12.4	145	8.7	48	9.7	374	5.6
Carroll	716	4.2	1 172	7.5	166	16.4	106	22.0	241	12.8	732	15.9
Charles City	51	2.8	519	1.0	10	5.9	191	.6	28	3.5	282	1.7

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.											
	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)
Charlotte	409	5.8	1 228	6.8	134	16.7	109	14.2	212	11.1	905	12.1
Chesterfield	116	5.6	289	9.5	38	14.1	34	16.4	35	13.3	238	13.3
Clarke	289	5.3	1 123	4.9	54	29.7	148	3.8	122	17.3	1 049	23.0
Craig	151	3.5	244	10.5	34	14.0	39	22.7	57	11.2	174	14.5
Culpeper	441	4.0	1 927	3.6	138	15.2	235	6.0	158	14.4	1 249	10.9
Cumberland	192	6.5	727	9.5	55	17.5	134	2.4	67	12.4	759	9.4
Dickenson.............	67	7.5	52	18.8	4	42.8	3	52.1	8	47.8	24	68.7
Dinwiddie	311	4.7	1 237	4.8	59	21.7	125	2.3	82	18.1	781	7.4
Essex	99	5.0	855	4.1	26	17.5	213	18.4	52	10.6	680	4.7
Fairfax	85	6.7	263	6.5	13	24.5	9	8.9	14	18.5	143	2.8
Fauquier	774	3.6	3 730	6.2	192	15.1	484	21.5	328	10.0	2 068	10.8
Floyd	567	4.2	1 594	11.4	130	17.3	182	17.1	159	14.4	857	7.8
Fluvanna	219	4.3	611	10.1	34	28.8	33	42.8	66	14.8	220	19.7
Franklin	716	3.6	2 286	4.9	138	14.2	254	7.3	208	10.3	1 784	5.6
Frederick..............	511	3.0	1 618	5.3	123	17.6	260	8.5	126	15.9	779	10.8
Giles	239	7.5	289	11.0	66	24.7	43	51.8	77	21.4	270	30.8
Gloucester	84	4.7	330	7.3	17	17.9	13	8.7	39	9.9	161	11.2
Goochland	168	6.8	455	8.3	43	23.5	80	11.5	38	21.5	269	19.4
Grayson	603	5.6	1 101	7.8	174	16.3	95	14.2	223	13.8	709	13.7
Greene	149	7.7	428	30.0	72	17.7	150	27.6	45	23.0	168	23.5
Greensville	113	3.5	1 170	1.7	48	8.1	451	2.1	72	6.8	596	3.5
Halifax	827	2.7	2 445	4.5	235	11.6	337	9.5	324	8.7	1 458	7.6
Hanover	446	3.2	1 429	4.6	112	16.9	218	12.3	124	13.5	635	11.3
Henrico	114	4.6	360	7.1	15	22.7	12	29.7	39	13.2	160	15.5
Henry.................	265	3.3	477	7.1	47	25.8	85	33.9	48	22.6	378	47.3
Highland	252	3.0	623	6.1	65	18.0	105	33.9	110	13.3	581	12.6
Isle of Wight	172	3.8	2 019	4.6	102	10.8	599	7.3	113	10.4	1 845	5.7
James City	53	3.2	136	2.3	13	5.5	30	2.2	10	5.9	55	4.1
King and Queen	109	4.8	676	3.1	46	13.4	180	8.3	48	9.6	304	7.8
King George...........	126	2.8	446	8.5	25	13.8	104	6.5	30	12.3	153	17.3
King William	101	4.7	764	2.7	36	13.4	223	15.1	44	10.1	826	5.8
Lancaster	57	4.0	266	4.5	24	6.1	86	6.8	42	4.6	209	4.2
Lee...................	784	4.7	963	9.6	141	17.4	106	34.8	326	9.8	906	14.6
Loudoun	783	3.9	3 320	9.1	253	11.7	510	12.1	194	13.1	1 459	21.4
Louisa	324	4.3	768	7.3	36	25.2	46	8.0	112	16.8	732	16.5
Lunenburg	243	7.3	741	7.0	48	26.9	129	10.1	124	15.9	667	10.1
Madison	373	3.8	1 398	5.2	84	17.7	126	5.6	123	16.5	732	9.3
Mathews	50	4.2	196	2.8	8	10.0	10	4.7	23	6.3	97	3.7
Mecklenburg	504	4.2	2 505	4.9	132	14.6	272	11.6	216	11.0	1 588	7.8
Middlesex	56	4.0	329	2.7	14	6.1	18	3.4	36	4.9	194	3.3
Montgomery	416	5.6	898	6.0	121	18.8	192	33.3	88	17.1	509	16.2
Nelson................	296	5.6	621	17.1	38	33.9	50	14.2	82	22.1	228	10.7
New Kent	57	3.3	199	3.5	15	6.7	34	7.5	18	5.5	120	3.3
Northampton	127	3.4	2 124	1.1	81	6.8	716	2.0	75	6.3	1 209	2.3
Northumberland........	104	3.5	659	3.2	40	13.0	149	20.8	55	9.5	380	4.4
Nottoway..............	263	5.6	823	7.3	67	28.2	103	16.5	73	22.5	546	5.3
Orange	361	5.2	1 694	6.9	61	23.3	189	8.7	128	16.4	946	11.4
Page	474	4.0	1 536	5.3	128	17.7	187	14.1	294	8.5	2 768	2.7
Patrick	444	4.6	986	10.4	98	20.0	123	27.5	197	12.8	877	10.7
Pittsylvania	1 050	2.4	3 081	4.5	327	10.0	647	7.9	423	8.6	2 425	6.2
Powhatan	179	3.2	511	8.0	37	14.7	54	19.9	44	13.8	270	10.7
Prince Edward	270	5.0	637	5.8	102	16.2	90	10.1	121	15.4	681	9.8
Prince George	100	5.9	509	7.4	19	22.0	24	12.9	50	10.8	179	20.0
Prince William	201	5.7	745	10.0	44	18.3	58	8.7	56	14.3	603	11.3
Pulaski	307	5.7	769	5.7	67	25.0	39	17.4	117	17.7	688	15.3
Rappahannock	238	7.4	495	17.7	78	23.0	83	37.3	73	23.6	379	25.9
Richmond	112	5.2	530	7.1	40	13.6	74	12.5	55	10.5	318	7.5
Roanoke	203	6.6	418	11.0	21	32.9	21	11.8	77	16.7	312	17.4
Rockbridge	499	5.4	1 312	6.1	163	16.6	243	24.1	182	11.7	827	9.6
Rockingham	1 561	2.1	9 146	2.1	684	5.8	1 934	2.2	893	3.6	10 520	3.9
Russell	822	3.9	1 124	8.6	199	16.1	158	22.0	213	13.3	670	14.4
Scott	1 077	3.5	940	7.8	256	13.9	103	18.1	295	11.9	685	19.8
Shenandoah...........	687	4.2	2 214	4.1	236	12.2	452	13.1	279	10.9	2 247	5.4
Smyth	625	4.2	1 149	7.5	184	14.3	158	9.6	241	11.6	1 229	14.4
Southampton	231	6.5	3 285	3.2	143	11.1	1 853	2.5	144	9.3	2 248	4.0
Spotsylvania...........	186	6.9	638	7.9	51	20.9	101	6.7	57	21.4	305	13.6
Stafford	125	4.9	311	9.7	25	17.1	14	17.1	31	16.5	77	33.8
Surry	102	3.0	1 169	2.3	39	12.2	224	5.8	68	6.2	521	7.3
Sussex	110	3.8	1 580	1.8	40	6.8	300	1.2	74	6.6	1 339	1.2
Tazewell	375	5.2	835	11.2	118	19.6	116	36.3	98	19.4	348	6.8
Warren	217	4.9	482	10.7	47	23.5	32	54.7	57	21.1	291	34.2
Washington	1 222	3.5	2 189	5.5	281	11.1	344	11.6	486	7.9	2 212	9.7
Westmoreland	140	3.4	998	5.1	41	13.5	130	8.8	67	8.7	735	5.0
Wise	103	5.1	112	9.0	15	25.0	9	21.9	40	12.7	95	30.3
Wythe	615	3.9	1 440	5.7	151	15.4	187	10.4	265	10.8	1 532	10.5
York	32	5.0	91	14.1	3	12.1	1	12.1	7	9.1	16	7.8
Chesapeake (IC)	182	2.2	1 553	1.3	44	7.7	278	6.3	62	7.4	956	2.9
Suffolk (IC)	193	2.7	1 851	3.5	70	15.1	566	6.5	112	10.9	1 458	5.3
Virginia Beach (IC)	121	3.6	686	3.6	52	10.4	120	14.7	52	9.8	660	4.8

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]

Geographic area	Farm production expenses[1]—Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Virginia	**9 733**	**1.6**	**62 469**	**.9**	**39 188**	**.4**	**56 889**	**.9**	**35 852**	**.5**	**179 447**	**.4**
Accomack	115	11.8	2 462	3.6	256	2.2	770	12.8	262	1.8	5 604	.6
Albemarle	107	19.0	443	7.0	717	2.0	1 625	7.8	689	2.8	2 081	4.3
Alleghany	30	11.5	76	11.0	160	1.6	160	5.6	138	3.8	286	4.0
Amelia	78	11.2	473	3.2	329	1.6	430	4.0	284	3.6	3 344	1.8
Amherst	94	20.6	92	19.7	405	.8	390	6.0	329	5.4	545	7.6
Appomattox	78	21.6	104	40.8	352	.9	322	9.8	263	6.8	542	15.9
Arlington	–	–	–	–	1	–	(D)	(D)	1	–	(D)	(D)
Augusta...............	392	8.7	1 493	6.5	1 444	1.2	2 136	3.5	1 351	2.0	9 088	1.4
Bath	29	15.9	84	5.3	123	3.1	152	4.9	110	4.5	311	7.5
Bedford	219	12.5	398	14.9	1 151	1.5	925	5.2	1 049	2.4	2 064	5.4
Bland	67	22.5	87	22.0	339	1.5	306	11.9	312	3.3	578	9.2
Botetourt	156	16.1	238	11.3	484	2.4	588	9.0	419	4.6	1 141	3.7
Brunswick	63	20.8	821	2.6	294	1.0	390	7.0	244	5.4	1 108	4.2
Buchanan	7	32.2	1	43.1	70	2.5	(D)	(D)	45	8.9	(D)	(D)
Buckingham	57	25.0	96	17.8	361	2.3	394	9.3	301	5.7	1 494	2.4
Campbell	150	13.1	495	12.5	594	2.1	611	4.7	482	4.3	1 408	5.0
Caroline	66	9.1	984	1.4	176	1.5	308	4.2	151	4.0	864	1.7
Carroll	220	13.1	340	13.7	878	1.8	666	5.0	838	2.4	1 435	5.8
Charles City	24	3.2	366	.5	56	2.7	230	2.9	54	2.7	421	.5
Charlotte.............	121	13.9	714	7.4	483	2.0	825	6.3	391	6.1	1 489	7.6
Chesterfield	33	14.5	184	10.7	151	1.9	255	7.8	137	4.2	385	7.1
Clarke	79	23.4	379	11.4	314	2.2	974	8.3	301	3.8	1 539	4.2
Craig	50	10.7	80	13.3	172	2.2	246	6.6	158	3.1	358	9.8
Culpeper	120	15.7	438	11.1	481	3.0	843	10.0	449	3.8	3 376	3.1
Cumberland	50	20.1	118	16.8	234	2.8	295	5.5	211	5.1	788	6.8
Dickenson.............	8	29.6	6	36.0	100	2.9	41	14.0	71	6.3	62	19.8
Dinwiddie	95	14.0	996	5.3	333	3.0	563	7.1	311	4.8	1 846	4.2
Essex	63	8.8	1 331	3.3	107	3.9	343	6.1	103	3.8	857	5.5
Fairfax	10	17.9	9	38.4	111	2.8	317	7.4	107	3.5	562	1.8
Fauquier	210	12.8	1 254	4.6	905	1.6	2 655	5.6	847	2.8	4 384	5.0
Floyd	155	14.6	427	10.7	703	1.8	726	5.8	640	3.0	2 735	2.6
Fluvanna.............	47	18.2	49	31.9	247	2.6	293	9.3	231	3.4	347	11.6
Franklin	274	10.0	920	7.5	863	1.3	716	4.4	807	2.4	3 813	2.4
Frederick.............	138	15.8	401	12.4	522	2.7	805	5.0	539	2.2	1 959	4.7
Giles	71	24.4	87	28.6	332	2.0	280	8.2	296	4.8	407	14.6
Gloucester	30	8.8	317	16.1	105	2.0	180	5.0	103	2.7	531	11.3
Goochland	28	28.6	227	4.2	219	2.8	420	8.4	179	6.1	582	5.2
Grayson	175	15.5	330	11.0	827	1.6	815	4.8	757	3.4	1 522	6.1
Greene	32	28.5	75	18.0	187	3.5	297	14.5	183	4.1	411	9.5
Greensville	70	6.2	1 209	4.3	128	2.4	287	2.9	124	2.4	745	1.1
Halifax	291	8.8	1 906	8.2	881	1.9	796	5.1	811	2.9	3 078	5.7
Hanover	188	8.5	1 355	4.6	462	3.0	941	5.3	447	3.5	2 933	2.2
Henrico	33	13.8	213	10.8	136	3.4	211	7.6	133	3.5	462	3.4
Henry	50	21.4	64	12.5	286	1.2	239	8.5	223	5.6	398	6.0
Highland	59	19.4	156	23.5	275	1.6	375	6.2	266	3.0	798	7.7
Isle of Wight	131	5.7	2 494	3.3	168	5.5	465	9.5	179	2.1	3 109	.8
James City	11	5.3	69	1.1	53	3.3	114	3.9	52	3.2	164	2.6
King and Queen	52	9.9	1 207	2.0	125	2.2	256	3.9	110	4.3	676	3.4
King George...........	31	11.7	531	1.5	134	2.1	214	7.3	103	5.9	266	7.0
King William	43	7.4	854	1.3	122	1.8	340	4.3	100	4.5	1 087	1.9
Lancaster	44	4.6	224	4.5	68	3.7	92	3.8	65	3.8	238	3.3
Lee...................	120	18.8	191	22.9	1 022	2.2	853	6.9	871	3.7	945	7.9
Loudoun	172	14.3	984	6.9	973	1.9	2 869	7.7	864	3.0	2 864	6.3
Louisa	44	25.7	108	16.3	362	2.8	480	15.5	316	4.2	778	5.1
Lunenburg	47	26.8	943	2.5	329	2.8	540	7.7	245	6.3	858	8.1
Madison	70	21.2	534	5.3	411	2.1	825	4.5	392	2.6	1 544	4.5
Mathews	19	7.0	108	9.4	56	4.1	91	5.9	52	4.2	421	1.4
Mecklenburg	212	11.7	1 724	3.5	560	2.6	577	4.6	562	2.5	3 704	2.9
Middlesex	35	4.8	322	2.5	66	3.7	106	2.7	59	3.8	568	1.2
Montgomery	105	16.6	230	13.2	478	3.4	561	7.0	447	4.2	1 194	4.1
Nelson...............	82	19.9	139	23.4	348	1.6	469	11.9	329	3.4	1 077	6.0
New Kent	23	4.7	286	2.2	61	3.3	173	2.9	59	3.3	240	3.3
Northampton	99	5.4	1 758	1.2	123	4.1	434	7.7	148	1.6	2 742	1.6
Northumberland........	69	7.5	1 231	3.8	118	2.4	165	4.6	111	3.2	409	3.4
Nottoway.............	88	22.9	248	10.8	287	5.4	365	7.5	292	4.4	1 081	2.4
Orange	98	16.5	425	6.9	426	1.9	1 046	6.9	374	4.5	2 015	3.8
Page	176	13.7	521	15.6	516	2.5	686	5.0	493	3.0	3 573	3.7
Patrick...............	101	18.6	207	13.8	529	1.4	434	6.6	440	4.7	1 467	5.6
Pittsylvania	344	8.5	3 390	6.4	1 181	1.5	1 311	3.6	1 114	2.0	4 919	2.4
Powhatan	33	15.9	80	13.3	200	1.9	281	6.9	184	3.0	635	7.3
Prince Edward	77	16.8	113	10.1	298	2.7	376	6.9	256	5.9	714	8.0
Prince George	45	10.8	255	5.3	126	3.0	276	5.3	111	4.6	471	6.2
Prince William	45	14.5	357	4.4	242	2.6	504	8.2	230	3.8	718	3.2
Pulaski	83	18.9	516	5.9	360	2.0	388	9.1	339	3.8	1 026	9.0
Rappahannock	89	20.4	139	25.8	301	4.9	633	9.9	302	4.6	609	13.5
Richmond	64	8.7	871	4.5	137	1.8	189	5.7	111	5.4	951	2.2
Roanoke	50	16.7	52	23.5	265	2.0	348	5.3	237	4.1	476	6.0
Rockbridge	178	13.1	722	16.3	610	2.1	669	6.1	596	3.2	1 622	5.9
Rockingham	550	6.1	3 060	10.2	1 754	1.2	3 387	3.6	1 693	1.5	26 184	1.3

See footnotes at end of table.

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

Geographic area	Farm production expenses[1]—Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)
Russell	127	19.7	161	26.8	981	1.7	699	6.2	912	2.6	1 500	13.5
Scott	136	18.7	164	21.9	1 324	1.5	806	5.2	1 126	3.1	1 162	7.0
Shenandoah...........	234	12.0	625	12.5	797	2.2	1 222	4.8	763	2.8	3 447	2.2
Smyth	147	15.8	381	12.7	762	1.1	669	5.8	693	3.1	1 786	5.1
Southampton	160	7.2	4 208	1.4	265	2.4	887	3.3	260	2.7	4 528	2.5
Spotsylvania...........	51	20.2	121	8.4	237	3.1	455	17.5	217	4.8	607	6.3
Stafford	27	17.5	104	21.2	154	2.4	333	7.4	142	3.3	204	12.3
Surry	58	8.5	956	3.0	104	3.5	409	3.5	103	2.8	2 757	1.0
Sussex	69	6.2	1 342	2.0	126	2.4	537	2.2	124	2.5	3 750	.5
Tazewell	65	25.9	275	12.0	474	1.8	584	10.7	411	4.0	911	4.7
Warren	56	21.1	75	39.3	247	2.8	463	15.7	196	6.3	350	8.5
Washington	227	12.3	476	8.6	1 646	1.3	1 361	4.1	1 488	2.2	4 619	2.6
Westmoreland	77	6.8	978	1.7	139	3.7	377	3.4	146	2.8	2 643	.9
Wise	37	12.0	46	15.2	121	3.7	83	8.8	109	4.8	101	9.1
Wythe	158	14.9	375	11.4	693	2.1	646	4.2	635	3.3	2 072	2.9
York	9	10.1	51	2.7	37	4.7	92	5.8	35	4.8	135	2.7
Chesapeake (IC)	66	6.2	1 307	2.5	183	2.1	595	4.0	190	2.0	4 439	.5
Suffolk (IC)	128	9.1	2 988	4.6	200	2.8	673	3.7	190	3.3	5 399	1.1
Virginia Beach (IC)	39	9.8	641	5.0	135	3.0	310	7.0	129	3.0	939	5.9

Geographic area	Net cash return from agricultural sales for the farm unit (see text)[1]				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Virginia	**41 075**	**.4**	**364 331**	**1.1**	**37 177**	**.4**	**4 322 425**	**.3**	**32 124**	**.4**	**2 520 961**	**.2**
Accomack.............	267	.8	9 988	4.4	227	.7	74 864	.8	209	.8	71 493	.8
Albemarle	746	.7	1 720	39.0	641	.7	75 073	1.2	516	.9	38 929	1.3
Alleghany	160	1.6	−318	32.6	148	.8	12 642	3.1	127	1.2	5 026	2.0
Amelia	336	1.1	8 920	2.2	299	.6	37 279	1.2	223	1.1	21 795	1.6
Amherst	406	.8	−215	(H)	350	.7	33 705	1.6	279	1.1	13 942	1.5
Appomattox	353	.9	1 481	16.4	336	.6	38 610	1.1	283	1.0	16 445	1.1
Arlington	1	−	(D)	(D)	1	−	(D)	(D)	1	−	(D)	(D)
Augusta...............	1 501	.5	15 323	6.2	1 277	.4	146 588	.7	1 080	.5	79 565	.5
Bath	131	2.2	−192	42.2	114	1.1	20 839	1.5	100	1.5	9 068	1.7
Bedford	1 197	.5	1 556	33.4	1 103	.4	101 933	.9	962	.5	46 636	.9
Bland	345	.8	1 118	19.8	322	.6	28 000	1.5	303	.7	12 410	1.1
Botetourt	506	.7	1 051	23.5	462	.5	40 662	1.1	405	.7	20 023	1.1
Brunswick	294	1.0	3 929	9.7	275	.8	32 599	1.0	239	1.1	17 626	1.1
Buchanan	70	2.5	60	80.7	66	.8	1 940	4.5	53	1.8	505	4.3
Buckingham	370	.9	2 458	13.3	340	.6	38 475	1.4	281	1.0	18 014	2.1
Campbell	621	.8	2 891	16.4	578	.6	63 120	1.1	473	.8	30 040	1.3
Caroline	178	1.5	2 092	6.0	164	1.0	38 877	.9	146	1.3	33 655	.9
Carroll	912	.6	3 255	10.7	844	.5	62 660	1.0	715	.7	25 271	1.2
Charles City	59	2.6	710	1.9	54	1.2	(D)	(D)	40	2.0	(D)	(D)
Charlotte	493	.8	3 725	17.3	468	.7	54 452	1.2	390	.9	21 485	1.5
Chesterfield	158	1.7	1 994	5.6	138	1.2	10 384	4.0	107	2.0	6 472	4.4
Clarke	324	.8	−298	(H)	279	.9	48 181	1.5	234	1.2	27 773	1.5
Craig	178	1.7	85	(H)	166	.6	19 590	2.2	146	1.0	7 401	2.1
Culpeper	520	.8	(D)	(D)	469	.6	72 199	1.0	381	.9	43 369	1.1
Cumberland	247	.8	3 355	6.0	229	.7	28 674	1.4	195	1.0	13 014	1.3
Dickenson.............	102	2.5	40	(H)	96	.7	4 506	2.1	74	1.6	1 342	2.2
Dinwiddie	351	.5	3 757	8.9	320	.6	43 673	1.0	255	1.0	30 455	.7
Essex	113	1.7	523	36.1	104	1.1	42 690	1.0	98	1.3	39 310	1.0
Fairfax	121	1.8	1 647	4.1	84	2.2	3 517	4.3	60	3.1	2 098	4.2
Fauquier	956	.6	8 739	12.7	797	.6	121 563	.8	608	.8	70 688	.8
Floyd	733	.6	6 827	7.0	681	.4	60 660	.9	615	.5	27 962	.8
Fluvanna	256	1.3	1 189	18.1	233	.8	25 582	1.6	200	1.1	13 033	1.9
Franklin..............	890	.6	8 521	6.7	815	.5	81 721	.7	723	.6	44 127	.6
Frederick.............	569	.7	1 844	19.8	509	.6	60 367	1.3	436	.8	34 668	1.0
Giles	342	.8	798	77.2	304	.7	28 000	1.7	274	.9	9 545	1.6
Gloucester	107	1.9	808	9.7	98	.8	17 104	1.4	82	1.4	16 153	1.5
Goochland	229	1.0	695	27.2	199	.8	25 502	1.8	158	1.2	15 286	1.6
Grayson	854	.6	3 249	13.0	767	.5	64 519	1.0	687	.6	22 840	1.0
Greene	198	1.0	37	(H)	172	1.0	18 293	2.5	151	1.4	7 632	2.3
Greensville	133	1.6	2 870	2.9	129	.6	39 767	.7	111	1.4	29 571	.9
Halifax	939	.6	13 306	4.2	908	.5	92 098	.8	818	.6	37 960	.9
Hanover	500	.6	7 371	6.9	456	.5	60 606	.9	395	.7	47 815	1.0
Henrico	153	1.7	4 108	2.2	135	1.0	14 013	2.3	110	1.6	10 877	2.3
Henry................	288	1.2	2 154	11.8	256	1.0	23 674	2.7	205	1.5	8 998	2.9
Highland	283	1.1	474	38.4	243	.7	35 305	1.7	201	1.1	9 465	1.9
Isle of Wight	189	.7	4 603	8.9	176	.7	61 409	.5	161	.9	54 891	.5
James City	58	3.1	462	3.9	52	1.5	5 607	1.1	44	2.2	4 636	.8
King and Queen	126	2.1	775	10.7	117	.9	33 733	.9	111	1.1	32 038	1.0
King George	138	1.7	553	16.1	130	.7	20 218	1.4	112	1.3	15 936	1.6

See footnotes at end of table.

USDA, National Agricultural Statistics Service

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

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

Geographic area	Net cash return from agricultural sales for the farm unit (see text)[1] — Farms		Value		Total cropland — Farms		Acres		Harvested cropland — Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total ($1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
King William	122	1.8	919	9.6	112	1.1	37 772	.9	100	1.6	34 654	.8
Lancaster	70	3.7	205	16.3	67	1.2	13 650	2.7	64	1.4	12 896	2.7
Lee	1 107	.7	3 237	15.6	1 055	.5	62 866	1.4	975	.6	21 093	1.2
Loudoun	1 030	.5	1 222	66.9	872	.6	117 122	1.0	666	.8	68 216	.9
Louisa	384	1.0	1 691	18.1	345	.8	41 351	1.6	308	1.0	23 122	1.8
Lunenburg	338	.7	3 548	25.3	310	.6	31 239	1.2	255	1.0	12 692	1.5
Madison	422	.7	1 214	29.4	374	.5	55 028	.7	307	.7	30 485	.7
Mathews	58	4.0	202	12.4	48	1.9	6 286	5.0	45	2.2	5 572	5.2
Mecklenburg	604	.6	11 929	7.9	553	.5	83 339	.8	491	.7	40 214	.8
Middlesex	67	3.7	648	6.0	63	1.1	15 217	2.0	57	1.6	14 376	2.1
Montgomery	517	.6	3 240	12.9	472	.5	43 648	1.0	418	.7	19 974	1.0
Nelson	356	.9	−74	(H)	316	.8	35 333	1.8	253	1.2	14 261	2.4
New Kent	64	3.2	239	8.4	60	.9	11 647	1.5	55	1.5	10 691	1.5
Northampton	151	1.3	12 953	.5	146	.6	49 974	.6	144	.7	46 980	.6
Northumberland	121	2.2	2 289	7.7	118	.6	30 963	1.0	110	.9	29 733	1.1
Nottoway	317	.8	3 223	10.0	296	.7	35 580	1.6	246	1.0	16 009	1.4
Orange	436	.8	5 761	5.5	387	.7	56 097	1.1	314	1.1	31 435	1.2
Page	543	.6	12 077	4.3	449	.6	39 335	1.1	382	.8	22 031	1.3
Patrick	537	.7	1 513	23.7	504	.5	36 084	1.3	440	.7	17 436	1.3
Pittsylvania	1 235	.5	18 781	3.6	1 153	.4	123 561	.6	1 022	.5	58 155	.7
Powhatan	207	1.5	937	23.1	191	.9	19 493	2.2	153	1.4	11 867	2.4
Prince Edward	311	.9	1 256	16.6	291	.5	34 934	1.3	234	1.0	16 604	1.8
Prince George	133	2.0	968	10.5	121	.9	21 402	1.0	99	1.5	18 643	1.1
Prince William	261	1.1	1 882	12.6	222	.9	25 758	1.6	165	1.5	18 226	1.5
Pulaski	370	.8	2 408	12.2	330	.6	40 132	1.1	287	.9	19 299	1.0
Rappahannock	335	.8	−227	(H)	308	.6	36 283	1.2	252	.9	17 971	1.2
Richmond	139	1.5	1 788	8.4	132	.7	25 519	1.6	120	1.0	23 416	1.3
Roanoke	273	1.3	599	28.0	243	.9	12 269	2.5	211	1.2	5 694	2.4
Rockbridge	633	.7	1 302	25.4	560	.6	63 667	1.1	476	.8	29 251	1.0
Rockingham	1 836	.4	60 257	1.6	1 551	.3	145 433	.5	1 339	.4	88 370	.5
Russell	1 026	.6	6 211	8.8	973	.5	61 505	1.4	899	.6	21 527	1.0
Scott	1 400	.6	4 766	10.9	1 350	.4	54 476	1.1	1 258	.5	20 319	1.1
Shenandoah	843	.5	5 127	8.3	744	.5	72 534	.9	627	.6	40 839	.8
Smyth	773	.6	3 675	13.3	714	.5	57 227	1.2	652	.6	23 280	1.2
Southampton	276	.8	8 154	4.7	265	.6	102 512	.5	238	.8	90 109	.4
Spotsylvania	253	1.1	183	(H)	238	.7	24 334	1.7	210	1.0	15 280	1.8
Stafford	158	2.0	61	(H)	144	1.0	11 118	2.8	117	1.6	7 261	3.5
Surry	114	1.7	879	8.4	109	.8	32 455	1.0	101	1.1	30 232	1.0
Sussex	134	1.6	3 943	2.2	112	1.1	45 046	.6	97	1.3	39 496	.6
Tazewell	488	.7	1 099	22.9	415	.7	50 094	1.5	356	1.0	17 115	1.3
Warren	258	1.1	−9	(H)	228	.7	22 703	1.9	196	1.0	10 580	2.2
Washington	1 743	.5	12 136	4.1	1 631	.4	90 817	.9	1 520	.5	39 160	.8
Westmoreland	159	1.7	2 444	7.7	150	.6	42 096	.9	139	1.0	37 930	1.0
Wise	137	2.2	−23	(H)	119	1.3	6 716	4.0	98	2.0	2 900	4.9
Wythe	733	.5	2 820	20.6	673	.4	77 979	.9	586	.6	34 145	1.0
York	39	4.6	731	7.5	39	.8	758	4.9	32	2.8	373	8.3
Chesapeake (IC)	200	1.2	8 912	1.4	179	.9	50 573	.8	161	1.1	47 915	.8
Suffolk (IC)	217	.7	3 418	11.0	185	.9	57 267	.6	163	1.1	54 216	.6
Virginia Beach (IC)	146	1.6	4 032	2.3	129	1.1	24 542	1.2	109	1.6	22 707	1.2

Geographic area	Irrigated land — Farms		Acres		Livestock and poultry — Cattle and calves inventory — Farms		Total		Beef cows inventory — Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Virginia	**2 337**	**.6**	**84 926**	**.4**	**26 547**	**.4**	**1 639 058**	**.3**	**21 753**	**.4**	**688 541**	**.3**
Accomack	61	2.8	9 399	.9	18	7.2	439	9.6	15	8.0	162	8.0
Albemarle	40	4.8	598	5.1	440	1.1	31 303	1.3	377	1.2	15 818	1.3
Alleghany	2	14.1	(D)	(D)	113	1.5	4 837	1.5	86	2.1	(D)	(D)
Amelia	15	5.9	716	4.4	196	1.3	13 964	2.0	163	1.6	5 351	2.8
Amherst	4	13.9	(D)	(D)	323	.9	16 857	1.2	285	1.0	9 092	1.4
Appomattox	10	6.8	59	7.0	262	1.0	17 441	1.3	228	1.2	9 030	1.5
Arlington	1	−	(D)	(D)	−	−	−	−	−	−	−	−
Augusta	53	2.8	2 699	1.6	1 147	.5	102 641	.5	840	.7	36 610	.8
Bath	3	20.5	(D)	(D)	97	1.5	5 812	1.6	83	1.9	(D)	(D)
Bedford	33	4.8	565	11.9	954	.5	52 043	.9	840	.6	24 769	1.1
Bland	−	−	−	−	293	.8	16 601	1.3	228	1.2	6 130	1.6
Botetourt	18	5.7	237	10.4	384	.8	23 087	1.0	332	.9	9 626	1.5
Brunswick	43	3.8	1 612	1.7	143	2.0	8 295	2.0	125	2.2	4 022	2.6
Buchanan	2	14.4	(D)	(D)	50	1.8	759	3.8	38	2.8	396	3.8
Buckingham	5	9.9	(D)	(D)	282	1.0	16 842	1.7	255	1.2	8 702	1.8
Campbell	57	3.7	1 033	2.4	423	1.0	27 118	1.2	378	1.1	13 135	1.4
Caroline	13	5.0	595	3.3	82	2.5	4 488	2.8	71	2.9	(D)	(D)
Carroll	17	5.9	464	4.9	688	.7	31 884	1.1	552	.9	13 131	1.4
Charles City	8	4.1	464	.1	20	4.2	896	4.0	16	5.1	372	5.1

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	Irrigated land				Livestock and poultry							
	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
					Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Charlotte	90	2.9	1 839	2.3	286	1.4	17 316	1.6	240	1.6	8 168	1.7
Chesterfield	26	5.1	246	3.2	59	3.6	1 967	5.3	52	3.9	1 099	5.9
Clarke	11	8.5	113	21.1	208	1.4	17 277	1.4	168	1.8	7 655	2.1
Craig	5	14.1	184	20.7	144	1.1	7 627	2.3	123	1.4	3 699	2.7
Culpeper	16	6.7	680	17.0	351	1.0	30 821	1.2	309	1.2	12 263	1.4
Cumberland	7	8.1	368	1.1	174	1.2	13 062	1.4	162	1.3	7 046	1.4
Dickenson	2	27.0	(D)	(D)	80	1.3	1 662	2.7	71	1.5	(D)	(D)
Dinwiddie	58	2.9	2 149	3.3	139	1.9	6 612	2.6	117	2.2	2 980	3.8
Essex	7	8.4	(D)	(D)	28	5.8	1 538	6.7	22	6.6	887	7.1
Fairfax	18	5.9	185	28.8	21	6.7	1 667	3.0	18	7.4	(D)	(D)
Fauquier	25	5.2	2 865	.2	577	.8	58 969	.8	451	1.1	23 703	1.2
Floyd	20	5.7	415	2.2	556	.6	33 948	1.0	463	.7	13 669	1.2
Fluvanna	13	8.0	54	12.3	176	1.3	9 772	1.6	162	1.4	5 016	1.7
Franklin	83	2.4	1 748	1.3	692	.6	45 508	.6	553	.8	13 355	1.2
Frederick	30	4.5	185	8.8	361	1.1	18 234	1.7	307	1.2	9 022	2.3
Giles	7	12.4	39	12.6	263	1.0	12 073	1.4	227	1.2	6 163	1.7
Gloucester	12	5.3	66	4.0	24	4.8	603	9.9	16	6.2	(D)	(D)
Goochland	6	12.7	22	16.0	159	1.3	8 464	2.2	146	1.4	(D)	(D)
Grayson	23	5.6	427	4.8	595	.7	33 917	.9	458	.9	13 307	1.1
Greene	8	12.2	22	15.7	157	1.3	8 912	2.5	132	1.8	3 932	2.8
Greensville	7	10.8	268	2.4	53	3.4	1 656	3.3	49	3.6	(D)	(D)
Halifax	178	2.0	3 990	1.4	457	1.1	21 566	1.3	405	1.3	11 920	1.4
Hanover	50	2.7	3 023	.7	233	1.3	12 829	1.8	205	1.4	5 668	1.7
Henrico	22	4.9	94	8.1	51	3.7	1 703	6.3	45	4.1	958	6.8
Henry	21	6.2	565	8.4	188	1.7	6 078	2.4	167	1.9	3 164	2.9
Highland	2	16.7	(D)	(D)	215	1.0	12 719	1.5	157	1.5	(D)	(D)
Isle of Wight	20	4.7	1 655	1.8	74	2.4	5 018	2.1	68	2.5	(D)	(D)
James City	11	4.7	62	1.0	16	5.7	916	4.3	12	7.6	(D)	(D)
King and Queen	7	11.1	321	7.3	34	4.1	1 061	4.0	27	4.7	(D)	(D)
King George	7	8.9	643	2.4	51	3.0	3 025	3.7	42	3.4	1 504	3.5
King William	8	7.7	1 243	1.2	35	4.6	2 944	3.0	27	5.9	662	6.9
Lancaster	1	36.7	(D)	(D)	5	7.5	281	1.5	5	7.5	154	1.7
Lee	11	10.1	43	14.8	777	.8	29 185	1.3	656	.9	14 427	1.4
Loudoun	39	4.3	755	1.0	525	1.0	32 650	1.4	432	1.2	16 667	1.5
Louisa	15	8.2	124	18.4	281	1.1	17 563	1.8	247	1.3	8 247	2.1
Lunenburg	31	4.7	971	1.9	198	1.4	9 395	2.0	178	1.6	(D)	(D)
Madison	14	6.1	269	10.2	331	.7	32 641	.6	265	.9	12 590	.9
Mathews	5	8.9	(D)	(D)	19	6.6	671	12.6	16	7.6	412	13.6
Mecklenburg	132	2.0	4 637	1.0	371	1.0	27 828	1.2	330	1.2	13 823	1.4
Middlesex	4	14.3	(D)	(D)	14	7.4	547	7.5	12	8.6	248	9.9
Montgomery	25	5.3	150	9.2	399	.7	25 506	.8	323	1.0	10 310	1.1
Nelson	20	6.1	772	17.6	268	1.1	13 388	1.7	236	1.4	7 482	1.8
New Kent	7	6.7	407	.4	16	6.2	567	9.0	14	6.7	(D)	(D)
Northampton	56	2.3	9 295	.4	8	9.8	313	10.1	7	11.2	167	9.9
Northumberland	4	14.4	(D)	(D)	16	7.1	604	5.8	13	8.3	253	6.7
Nottoway	11	8.0	120	4.6	226	1.2	15 367	1.5	207	1.3	7 283	1.8
Orange	18	6.7	343	7.9	317	1.1	27 813	1.4	284	1.2	12 114	1.4
Page	12	9.0	187	9.1	375	.8	26 673	1.3	299	1.1	11 417	1.5
Patrick	20	5.2	497	3.3	350	1.0	16 033	1.5	311	1.1	6 697	1.9
Pittsylvania	244	1.3	7 052	.9	765	.7	36 046	.9	667	.8	17 281	1.1
Powhatan	8	10.9	113	8.4	128	1.8	7 591	1.9	102	2.3	2 334	3.0
Prince Edward	19	6.2	351	13.2	188	1.3	16 385	1.5	164	1.4	7 087	1.7
Prince George	8	8.2	(D)	(D)	48	3.2	1 410	4.1	36	4.0	705	4.8
Prince William	9	6.1	555	.2	138	1.8	8 164	2.0	110	2.2	3 256	2.4
Pulaski	7	10.2	(D)	(D)	294	.8	28 480	.8	233	1.1	11 140	1.2
Rappahannock	8	8.1	52	5.6	217	1.1	15 838	1.3	194	1.3	8 806	1.4
Richmond	7	8.2	244	4.3	35	4.0	1 334	3.0	31	4.4	(D)	(D)
Roanoke	19	5.8	138	10.2	167	1.6	5 612	3.6	143	1.9	2 880	4.3
Rockbridge	10	7.9	241	6.4	501	.7	37 562	1.0	427	.9	17 693	1.2
Rockingham	84	2.4	3 104	.6	1 334	.4	111 984	.4	807	.7	25 566	.9
Russell	13	8.2	141	16.9	791	.7	40 830	1.0	654	.9	18 774	1.2
Scott	19	6.0	52	9.7	933	.7	25 520	1.1	772	.8	13 016	1.3
Shenandoah	27	4.4	1 213	.7	631	.6	35 649	.8	516	.8	14 977	.9
Smyth	11	9.0	88	4.9	573	.7	37 161	1.2	421	1.0	14 833	1.5
Southampton	18	2.5	1 590	.2	91	2.1	5 628	1.8	81	2.2	(D)	(D)
Spotsylvania	11	8.0	(D)	(D)	158	1.5	10 084	1.9	139	1.7	4 455	2.2
Stafford	6	14.3	40	22.9	96	2.0	3 080	3.6	79	2.4	(D)	(D)
Surry	12	4.9	1 639	.1	30	3.2	1 627	1.3	24	3.4	(D)	(D)
Sussex	13	3.8	1 965	.2	37	3.2	1 584	3.0	36	3.3	826	3.7
Tazewell	4	17.3	7	19.5	373	.9	29 610	1.1	276	1.3	10 837	1.4
Warren	11	8.4	56	14.4	167	1.3	9 219	1.9	136	1.6	4 122	2.3
Washington	32	5.3	349	5.2	1 158	.6	59 090	.8	922	.8	22 464	1.2
Westmoreland	20	5.4	1 584	.9	31	4.3	2 360	2.1	27	4.8	(D)	(D)
Wise	2	22.9	(D)	(D)	104	1.8	3 000	3.1	91	2.2	(D)	(D)
Wythe	12	7.8	149	12.7	595	.6	46 924	.9	447	.8	15 839	1.6
York	12	6.7	28	3.9	6	12.4	150	13.5	5	13.0	(D)	(D)
Chesapeake (IC)	33	4.2	533	2.3	39	4.4	2 749	3.2	22	5.9	254	12.1
Suffolk (IC)	24	3.5	799	.5	35	4.5	2 171	2.7	32	4.7	(D)	(D)
Virginia Beach (IC)	24	5.9	160	6.3	16	8.6	420	11.8	11	10.4	259	13.7

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]

Geographic area	Livestock and poultry—Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Virginia	**1 671**	**.5**	**121 823**	**.2**	**1 170**	**.9**	**385 755**	**.2**	**1 456**	**.8**	**73 932**	**1.1**
Accomack	3	18.4	12	16.9	6	11.0	991	1.5	5	13.2	87	9.6
Albemarle	19	7.0	625	4.2	6	12.0	364	21.6	30	6.0	1 556	5.3
Alleghany	1	–	(D)	(D)	3	13.2	24	13.4	2	14.1	(D)	(D)
Amelia	20	3.7	1 849	.7	7	10.6	47	15.7	7	9.7	86	18.9
Amherst	9	8.3	77	9.3	6	13.1	43	19.0	14	7.9	378	8.3
Appomattox	16	5.6	751	2.0	9	11.5	111	13.3	11	10.2	187	14.3
Arlington	–	–	–	–	–	–	–	–	–	–	–	–
Augusta...............	105	1.6	10 234	.5	55	3.8	833	6.5	128	2.3	8 509	4.0
Bath	2	24.8	(D)	(D)	3	17.4	8	19.5	5	12.2	217	10.8
Bedford	47	3.0	3 490	1.1	21	6.5	808	16.9	19	6.2	578	11.3
Bland	20	5.2	815	1.9	8	10.5	88	12.4	25	5.2	891	7.2
Botetourt	22	4.1	1 803	1.9	11	7.9	614	19.9	14	7.4	746	4.6
Brunswick	8	7.6	768	.9	18	7.1	(D)	(D)	12	9.8	175	14.7
Buchanan	4	16.2	7	16.0	5	9.6	17	9.1	–	–	–	–
Buckingham	9	8.6	297	2.2	12	6.1	14 309	.1	7	10.3	203	9.9
Campbell	20	5.5	1 212	2.0	8	10.7	58	11.0	9	10.0	439	8.5
Caroline	3	18.6	(D)	(D)	5	15.4	97	20.7	8	12.1	106	21.5
Carroll	39	4.0	1 721	3.1	9	8.7	36	13.6	11	9.0	556	11.9
Charles City	–	–	–	–	3	7.6	(D)	(D)	3	10.5	87	13.7
Charlotte	17	6.1	1 069	4.1	18	7.5	(D)	(D)	16	8.2	577	10.0
Chesterfield	–	–	–	–	7	11.8	292	15.2	7	13.9	84	15.3
Clarke	11	6.2	1 105	.2	15	8.3	957	6.0	23	7.0	2 431	10.7
Craig	7	8.7	192	9.3	4	16.3	23	31.5	7	8.8	229	8.7
Culpeper	31	3.3	3 556	.7	11	10.0	166	6.0	25	5.9	1 656	10.1
Cumberland	4	–	676	–	13	7.4	305	6.5	5	11.9	89	10.5
Dickenson.............	2	10.3	(D)	(D)	7	7.7	33	12.5	1	–	(D)	(D)
Dinwiddie	10	7.5	670	.7	19	6.4	2 259	2.5	4	12.1	237	2.9
Essex	–	–	–	–	3	18.7	(D)	(D)	–	–	–	–
Fairfax	2	19.6	(D)	(D)	8	12.6	44	15.2	6	14.4	124	18.4
Fauquier	60	2.8	5 801	.7	30	5.0	461	10.6	28	5.6	1 650	4.3
Floyd	21	4.4	1 379	1.6	5	12.1	29	23.6	12	7.9	735	7.9
Fluvanna..............	3	18.3	4	21.7	12	8.2	157	11.7	6	10.6	217	3.7
Franklin	95	1.1	10 568	.3	12	6.5	426	17.0	7	11.6	128	14.8
Frederick..............	19	6.0	716	1.8	18	6.3	1 403	1.2	20	6.7	596	12.3
Giles	7	8.5	46	13.8	3	16.3	6	16.3	16	6.0	1 243	6.5
Gloucester	2	28.9	(D)	(D)	6	10.5	104	12.0	5	10.9	64	11.0
Goochland	4	5.4	(D)	(D)	1	32.3	(D)	(D)	6	11.6	19	12.5
Grayson	43	3.4	2 306	2.0	6	10.7	17	12.1	28	4.9	1 032	5.2
Greene	8	8.7	483	1.2	5	17.6	179	27.5	13	9.3	869	14.0
Greensville	1	45.5	(D)	(D)	14	8.0	(D)	(D)	1	32.2	(D)	(D)
Halifax	20	5.9	529	1.9	35	5.3	10 359	.1	5	16.0	(D)	(D)
Hanover	9	5.1	737	.2	8	8.1	508	6.8	12	8.2	601	11.9
Henrico	5	15.5	49	19.3	3	15.6	(D)	(D)	6	15.4	84	16.7
Henry	7	10.6	45	16.2	3	18.7	(D)	(D)	1	45.2	(D)	(D)
Highland	5	12.2	(D)	(D)	5	12.0	28	23.7	113	2.1	6 903	2.8
Isle of Wight	2	21.7	(D)	(D)	25	3.8	66 755	.1	2	27.8	(D)	(D)
James City	2	–	(D)	(D)	2	17.0	(D)	(D)	2	23.2	(D)	(D)
King and Queen	2	18.8	(D)	(D)	6	11.5	(D)	(D)	3	20.6	(D)	(D)
King George...........	–	–	–	–	2	11.0	(D)	(D)	6	11.9	231	20.0
King William	7	6.6	860	.1	6	10.5	151	15.0	4	17.3	42	16.4
Lancaster	–	–	–	–	3	17.4	(D)	(D)	2	18.3	(D)	(D)
Lee...................	37	5.2	382	6.9	17	8.0	156	23.0	10	10.7	336	15.5
Loudoun	14	8.1	504	4.7	20	6.7	869	13.5	78	3.4	1 923	6.2
Louisa	14	7.2	696	2.2	14	8.9	371	5.7	11	9.0	388	8.1
Lunenburg	2	16.1	(D)	(D)	11	8.8	(D)	(D)	5	13.7	105	15.7
Madison	24	3.1	2 493	.6	12	4.2	(D)	(D)	11	5.0	437	4.1
Mathews	–	–	–	–	5	13.1	43	11.5	5	12.8	74	10.6
Mecklenburg	13	5.4	1 593	1.3	15	8.5	1 094	2.3	2	25.9	(D)	(D)
Middlesex	–	–	–	–	4	14.8	78	17.4	–	–	–	–
Montgomery	40	2.9	2 641	1.4	9	8.1	(D)	(D)	35	4.5	3 602	7.0
Nelson................	4	18.3	29	28.9	9	11.3	415	16.2	11	10.0	1 662	5.8
New Kent	1	31.4	(D)	(D)	–	–	–	–	1	31.4	(D)	(D)
Northampton	–	–	–	–	8	12.0	189	20.2	4	14.3	46	5.5
Northumberland........	–	–	–	–	3	17.5	(D)	(D)	1	37.3	(D)	(D)
Nottoway..............	16	5.0	1 180	.2	9	10.5	52	14.7	6	10.7	664	4.3
Orange	15	4.9	1 360	2.0	17	7.3	287	10.6	14	8.9	318	14.4
Page	9	9.8	444	1.1	35	4.7	4 946	9.1	34	4.7	1 151	7.1
Patrick	16	5.4	1 388	.6	9	9.8	(D)	(D)	8	10.0	207	8.7
Pittsylvania	28	3.9	2 171	.7	35	4.6	1 018	3.8	7	11.1	133	13.7
Powhatan	14	6.1	1 552	2.5	7	10.6	(D)	(D)	7	13.7	165	26.6
Prince Edward	9	5.6	1 197	1.2	8	9.4	11 350	.1	3	18.3	(D)	(D)
Prince George	–	–	–	–	4	13.4	(D)	(D)	1	30.9	(D)	(D)
Prince William	11	5.1	1 116	.1	10	9.1	99	15.7	15	7.4	355	12.4
Pulaski	16	5.0	1 376	1.6	2	15.5	(D)	(D)	18	4.9	2 267	2.5
Rappahannock	3	17.9	11	25.6	11	7.7	183	3.9	11	6.3	286	6.4
Richmond	3	11.0	(D)	(D)	4	15.4	38	20.2	4	14.6	82	23.1
Roanoke	5	14.1	165	13.8	8	12.0	59	19.7	4	15.7	171	21.8
Rockbridge	21	4.1	1 625	1.2	18	6.8	244	12.9	24	6.1	1 185	8.1
Rockingham	283	.8	25 477	.3	72	2.5	5 035	3.2	122	2.3	7 557	2.7

See footnotes at end of table.

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

	Livestock and poultry—Con.											
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
Geographic area	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Russell	29	5.4	868	5.6	23	7.0	603	30.3	25	6.2	1 255	6.6
Scott	38	4.8	566	4.9	16	7.2	80	10.9	8	10.8	284	18.5
Shenandoah	40	2.8	2 701	1.0	27	4.9	2 322	8.6	62	3.0	4 992	3.9
Smyth	32	3.6	2 388	1.4	20	5.6	237	15.5	15	6.4	458	7.1
Southampton	1	35.7	(D)	(D)	24	4.4	43 891	.1	4	17.0	145	21.4
Spotsylvania	10	7.7	872	2.2	9	10.8	119	16.7	6	12.8	129	16.2
Stafford	2	27.1	(D)	(D)	7	13.2	23	17.6	4	14.1	(D)	(D)
Surry	3	15.1	(D)	(D)	20	4.4	(D)	(D)	2	30.7	(D)	(D)
Sussex	–	–	–	–	5	10.7	(D)	(D)	3	19.3	(D)	(D)
Tazewell	27	5.0	1 257	3.1	11	9.9	1 054	15.5	54	3.9	2 927	3.5
Warren	5	12.1	121	13.6	6	9.9	24	15.3	13	7.5	383	10.9
Washington	63	2.9	4 519	.8	31	5.4	196	5.8	31	5.3	1 348	10.2
Westmoreland	2	20.4	(D)	(D)	4	16.1	45	9.6	3	15.8	66	11.1
Wise	4	13.9	(D)	(D)	4	16.0	8	16.0	–	–	–	–
Wythe	58	2.6	4 048	1.2	21	6.1	484	13.5	47	3.5	2 596	6.1
York	1	41.6	(D)	(D)	2	26.1	(D)	(D)	1	41.6	(D)	(D)
Chesapeake (IC)	4	11.8	336	.1	13	8.2	9 704	.6	8	10.4	119	24.7
Suffolk (IC)	1	–	(D)	(D)	24	5.4	6 962	3.0	6	8.1	86	.8
Virginia Beach (IC)	–	–	–	–	17	7.3	14 113	.4	10	11.8	119	22.3

	Livestock and poultry—Con.							
	Layers 20 weeks old and older inventory				Broilers and other meat-type chickens sold			
Geographic area	Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Virginia	**1 519**	**.9**	**3 767 755**	**.6**	**671**	**.4**	**258 684 455**	**.1**
Accomack	9	10.0	(D)	(D)	61	1.3	22 432 410	1.4
Albemarle	33	5.6	1 084	12.1	–	–	–	–
Alleghany	6	13.9	158	15.4	–	–	–	–
Amelia	13	7.9	(D)	(D)	33	–	13 711 009	–
Amherst	17	7.3	248	7.6	1	36.4	(D)	(D)
Appomattox	11	10.4	517	11.3	–	–	–	–
Arlington	–	–	–	–	–	–	–	–
Augusta	57	3.6	216 053	2.3	24	1.2	7 934 301	(L)
Bath	3	16.5	93	15.3	–	–	–	–
Bedford	27	5.6	445	7.3	1	45.2	(D)	(D)
Bland	22	5.9	504	6.7	–	–	–	–
Botetourt	26	5.6	508	6.7	–	–	–	–
Brunswick	8	12.9	(D)	(D)	–	–	–	–
Buchanan	3	13.2	59	16.5	–	–	–	–
Buckingham	18	7.5	(D)	(D)	22	–	4 507 627	–
Campbell	15	8.4	726	11.1	1	36.6	(D)	(D)
Caroline	8	11.1	80	13.3	–	–	–	–
Carroll	18	7.3	246	7.3	–	–	–	–
Charles City	2	21.9	(D)	(D)	–	–	–	–
Charlotte	14	8.7	352	10.2	1	49.0	(D)	(D)
Chesterfield	9	11.2	297	19.4	5	7.5	1 624 600	(L)
Clarke	18	8.3	335	9.1	–	–	–	–
Craig	8	8.6	247	12.0	–	–	–	–
Culpeper	25	6.6	498	9.4	–	–	–	–
Cumberland	8	4.3	119 311	(L)	24	–	8 964 869	–
Dickenson	8	9.5	600	41.7	1	50.0	(D)	(D)
Dinwiddie	14	7.8	448	9.6	2	–	(D)	(D)
Essex	6	12.8	79	13.4	–	–	–	–
Fairfax	15	8.4	456	12.2	–	–	–	–
Fauquier	59	3.6	1 363	4.4	–	–	–	–
Floyd	15	6.7	428	9.0	–	–	–	–
Fluvanna	19	6.9	290	8.3	1	–	(D)	(D)
Franklin	35	4.9	860	7.6	1	–	(D)	(D)
Frederick	27	5.8	641	7.1	–	–	–	–
Giles	10	7.7	201	9.1	–	–	–	–
Gloucester	10	7.7	548	12.9	1	28.2	(D)	(D)
Goochland	6	10.7	102	13.2	4	–	616 781	–
Grayson	14	7.9	283	9.8	–	–	–	–
Greene	10	10.9	(D)	(D)	–	–	–	–
Greensville	5	9.1	(D)	(D)	1	–	(D)	(D)
Halifax	32	5.6	396	7.8	–	–	–	–
Hanover	18	6.3	410	9.7	6	7.3	1 169 212	(L)
Henrico	6	14.4	345	20.6	2	16.7	(D)	(D)
Henry	8	11.0	146	11.4	–	–	–	–
Highland	9	9.1	149	9.2	–	–	–	–
Isle of Wight	3	11.3	59	11.5	12	–	2 948 500	–
James City	5	12.1	(D)	(D)	1	37.3	(D)	(D)
King and Queen	5	11.6	139	14.3	–	–	–	–
King George	7	11.5	110	13.3	–	–	–	–

See footnotes at end of table.

USDA, National Agricultural Statistics Service

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

Geographic area	Livestock and poultry—Con.							
	Layers 20 weeks old and older inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
King William	3	20.0	(D)	(D)	–	–	–	–
Lancaster	1	–	(D)	(D)	–	–	–	–
Lee...................	28	6.3	645	8.3	–	–	–	–
Loudoun	72	3.6	1 954	6.6	–	–	–	–
Louisa	18	7.7	262	8.2	2	13.7	(D)	(D)
Lunenburg	15	6.9	(D)	(D)	1	–	(D)	(D)
Madison	11	7.2	280	6.6	–	–	–	–
Mathews	11	9.0	(D)	(D)	–	–	–	–
Mecklenburg	11	9.2	(D)	(D)	1	–	(D)	(D)
Middlesex	–	–	–	–	–	–	–	–
Montgomery	26	5.3	1 172	2.5	3	12.8	(D)	(D)
Nelson................	16	7.7	704	17.6	–	–	–	–
New Kent	4	14.1	97	15.0	–	–	–	–
Northampton	1	33.5	(D)	(D)	–	–	–	–
Northumberland........	3	17.1	170	17.5	–	–	–	–
Nottoway..............	10	9.6	(D)	(D)	16	2.2	6 523 408	(L)
Orange	13	9.1	376	12.2	1	33.7	(D)	(D)
Page	38	4.1	357 814	2.9	110	.7	44 498 867	.2
Patrick...............	10	8.4	223	10.1	–	–	–	–
Pittsylvania	43	4.5	749	5.3	4	11.4	(D)	(D)
Powhatan	12	9.2	139	12.3	2	–	(D)	(D)
Prince Edward	18	6.7	51 036	10.3	8	4.4	1 646 594	1.6
Prince George	8	10.6	183	12.6	–	–	–	–
Prince William	19	6.8	577	8.7	1	26.5	(D)	(D)
Pulaski	5	13.4	218	17.3	1	30.9	(D)	(D)
Rappahannock	15	7.3	619	20.3	1	42.1	(D)	(D)
Richmond	4	17.2	265	20.7	–	–	–	–
Roanoke	6	13.0	78	14.0	–	–	–	–
Rockbridge	18	7.1	437	9.0	2	22.4	(D)	(D)
Rockingham	95	2.3	1 406 258	1.2	245	.5	117 987 208	.1
Russell	23	6.9	344	7.5	–	–	–	–
Scott	31	4.7	648	5.3	–	–	–	–
Shenandoah...........	19	5.7	139 245	5.3	44	1.3	17 566 149	.2
Smyth	17	6.7	366	8.6	–	–	–	–
Southampton	6	11.4	72 178	(L)	7	–	1 424 497	–
Spotsylvania...........	20	6.5	594	8.3	1	32.7	(D)	(D)
Stafford	19	7.3	389	13.0	–	–	–	–
Surry	1	21.8	(D)	(D)	–	–	–	–
Sussex	–	–	–	–	2	–	(D)	(D)
Tazewell	21	6.9	456	7.7	–	–	–	–
Warren	11	7.4	197	8.4	1	–	(D)	(D)
Washington	28	5.5	(D)	(D)	1	30.5	(D)	(D)
Westmoreland	1	40.9	(D)	(D)	–	–	–	–
Wise	6	12.4	86	17.1	–	–	–	–
Wythe	27	4.9	504	6.1	–	–	–	–
York..................	3	17.4	70	27.8	–	–	–	–
Chesapeake (IC)	12	9.0	212	11.0	–	–	–	–
Suffolk (IC)	8	11.0	155	12.4	10	4.8	1 562 893	2.0
Virginia Beach (IC)	8	12.7	242	23.8	2	24.7	(D)	(D)

Geographic area	Selected crops harvested											
	Corn for grain or seed						Wheat for grain					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Virginia	**4 395**	**.4**	**318 208**	**.3**	**29 480 704**	**.2**	**2 888**	**.5**	**257 063**	**.3**	**15 504 394**	**.3**
Accomack............	72	2.2	13 536	1.3	1 460 838	1.1	107	1.8	24 764	1.0	1 688 615	1.0
Albemarle	18	5.6	1 799	1.7	148 421	1.7	6	10.2	343	5.3	26 223	4.5
Alleghany	5	10.3	(D)	(D)	(D)	(D)	2	17.4	(D)	(D)	(D)	(D)
Amelia...............	37	3.0	1 996	3.2	127 455	4.3	25	4.4	1 154	3.7	53 899	4.2
Amherst	9	9.7	137	11.7	11 535	12.1	–	–	–	–	–	–
Appomattox	42	3.7	538	3.7	37 770	3.7	25	4.1	641	1.9	28 454	1.8
Arlington	–	–	–	–	–	–	–	–	–	–	–	–
Augusta...............	226	1.4	11 674	1.0	1 202 151	.8	86	2.3	2 765	1.8	162 471	2.0
Bath	11	6.5	213	2.1	20 080	1.5	1	–	(D)	(D)	(D)	(D)
Bedford	34	4.5	399	3.2	27 361	3.8	28	4.5	631	8.9	35 633	8.9
Bland................	17	6.6	139	5.7	11 568	5.8	1	28.4	(D)	(D)	(D)	(D)
Botetourt.............	26	4.0	883	1.9	84 825	1.8	5	8.3	173	9.8	8 365	9.5
Brunswick	14	5.5	540	2.3	38 098	4.0	48	3.2	2 310	1.8	92 261	2.0
Buchanan	3	13.2	7	19.8	927	18.0	–	–	–	–	–	–
Buckingham	31	5.3	392	13.4	29 168	13.8	10	9.1	326	20.5	22 090	22.4
Campbell	50	4.2	1 389	4.3	93 643	3.7	51	4.0	1 480	4.8	75 918	5.0
Caroline	36	3.2	7 413	.8	843 675	.6	44	2.9	7 296	1.3	493 077	1.2
Carroll	16	5.5	185	5.2	13 486	4.8	2	15.8	(D)	(D)	(D)	(D)
Charles City	20	2.6	5 180	.8	433 841	.8	22	2.7	6 449	.5	452 421	.6

See footnotes at end of table.

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

Geographic area	Corn for grain or seed						Wheat for grain					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Charlotte	54	4.0	1 157	6.8	78 080	7.4	64	3.2	1 717	8.3	75 006	7.1
Chesterfield	15	8.2	393	12.8	25 995	13.4	10	8.0	690	4.9	46 771	4.4
Clarke	37	4.1	3 265	3.1	234 969	3.1	26	4.8	1 254	3.7	68 594	3.9
Craig	7	10.7	63	22.5	4 868	23.2	–	–	–	–	–	–
Culpeper	66	2.9	6 606	1.3	496 684	1.1	25	3.9	1 330	1.3	68 462	1.5
Cumberland	30	4.9	942	2.9	76 478	2.4	17	6.3	416	5.9	19 265	5.3
Dickenson	4	12.5	6	17.4	450	13.4	–	–	–	–	–	–
Dinwiddie	37	3.8	2 059	2.7	154 768	2.8	54	3.0	4 156	1.1	223 432	.8
Essex	55	2.3	13 043	1.1	1 300 529	1.0	66	2.2	12 220	1.2	757 373	1.3
Fairfax	3	17.3	11	17.2	660	17.2	2	27.0	(D)	(D)	(D)	(D)
Fauquier	95	2.4	9 123	1.2	803 327	1.1	27	3.9	1 524	1.7	66 888	1.4
Floyd	13	6.3	313	6.5	23 520	6.7	–	–	–	–	–	–
Fluvanna	18	5.7	436	6.5	38 153	7.4	9	8.3	305	11.0	18 525	10.1
Franklin	60	2.4	1 914	2.2	153 838	2.1	46	2.8	1 208	2.6	61 653	2.3
Frederick	66	3.0	3 053	4.0	198 292	2.3	16	5.3	584	2.6	32 774	2.5
Giles	10	8.3	71	10.3	4 476	11.6	2	10.1	(D)	(D)	(D)	(D)
Gloucester	37	2.8	5 939	1.7	465 109	2.1	14	5.1	1 208	2.5	78 057	2.8
Goochland	13	5.1	2 094	1.5	206 731	1.4	12	3.9	1 833	1.9	101 620	1.4
Grayson	8	8.4	289	3.0	25 641	2.6	2	13.7	(D)	(D)	(D)	(D)
Greene	11	8.1	295	4.4	28 426	4.7	3	18.6	41	21.8	2 074	26.3
Greensville	38	3.9	2 008	2.7	134 723	3.3	16	4.4	904	1.7	48 980	1.8
Halifax	94	2.9	2 414	1.4	145 805	1.0	215	1.7	5 849	1.5	245 194	1.4
Hanover	64	2.4	9 178	1.3	1 043 577	.9	73	2.3	8 816	1.4	581 782	1.4
Henrico	13	7.5	1 961	3.3	133 524	3.6	21	6.0	2 445	3.1	139 243	3.9
Henry	12	10.2	155	13.1	12 396	16.7	7	6.6	315	1.0	14 280	1.2
Highland	3	9.3	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Isle of Wight	102	1.7	10 919	1.1	764 408	1.1	73	2.1	8 305	1.0	461 394	1.1
James City	8	4.2	1 363	1.2	135 461	.6	6	5.7	787	.8	44 650	.8
King and Queen	65	2.1	11 669	1.0	1 085 180	1.0	46	3.1	7 605	1.7	502 039	1.7
King George	37	3.5	4 461	1.7	549 926	1.6	21	4.7	2 276	4.5	155 810	4.5
King William	54	2.9	10 751	.9	1 043 166	.6	46	2.8	9 696	1.2	665 709	1.0
Lancaster	45	2.7	4 179	2.7	429 253	2.4	41	2.9	3 078	2.8	181 260	2.9
Lee	94	3.2	612	4.2	48 616	4.8	1	33.9	(D)	(D)	(D)	(D)
Loudoun	109	2.5	8 683	1.5	615 967	1.6	46	3.4	4 544	1.3	242 272	1.3
Louisa	55	3.7	2 652	4.8	270 638	5.0	30	5.5	1 078	4.6	54 432	5.5
Lunenburg	21	6.5	310	4.8	21 394	5.0	26	5.3	569	5.8	25 885	4.8
Madison	70	1.9	5 607	1.0	574 693	1.0	15	2.3	755	1.2	47 162	.9
Mathews	8	9.5	1 010	7.3	98 054	7.3	6	11.3	348	8.6	23 145	8.5
Mecklenburg	45	3.9	916	3.7	62 655	4.6	92	2.4	2 838	1.9	126 786	2.0
Middlesex	25	4.6	3 847	1.7	404 241	1.7	21	4.7	4 115	2.2	249 224	1.9
Montgomery	19	4.2	1 116	.7	124 031	.5	6	4.6	354	1.3	22 198	.8
Nelson	19	6.7	418	13.0	17 320	12.3	–	–	–	–	–	–
New Kent	20	4.1	3 329	2.3	235 820	2.1	18	3.8	2 919	2.1	204 198	2.2
Northampton	21	2.2	2 647	.4	278 150	.3	100	1.7	19 621	.8	1 306 573	.8
Northumberland	76	1.9	10 089	1.5	1 181 201	1.4	72	2.0	10 369	1.3	669 482	1.2
Nottoway	13	5.4	346	2.5	26 900	2.3	6	8.7	206	2.8	8 877	1.7
Orange	39	4.0	4 073	1.7	449 158	1.9	11	7.8	552	1.3	37 745	1.0
Page	127	2.0	3 411	2.4	272 913	2.6	18	4.8	348	3.7	18 050	3.9
Patrick	36	4.4	1 148	4.3	101 313	2.7	8	8.8	122	4.5	7 010	3.4
Pittsylvania	146	2.0	2 757	1.9	165 276	2.5	250	1.4	8 708	1.1	377 871	1.1
Powhatan	9	9.3	856	10.5	77 693	9.1	10	9.4	431	13.2	20 618	15.0
Prince Edward	40	3.8	896	4.9	50 249	5.4	23	5.4	534	7.4	23 021	6.9
Prince George	36	3.3	4 425	1.2	401 402	1.5	37	3.1	3 848	2.0	260 156	1.9
Prince William	21	5.1	2 853	1.7	212 759	1.8	16	6.1	833	4.0	35 477	4.8
Pulaski	9	6.0	1 092	.6	143 020	.3	8	3.9	279	.4	21 680	.2
Rappahannock	18	4.9	589	5.3	46 785	5.7	4	9.5	91	10.7	4 054	10.3
Richmond	78	1.7	8 420	1.4	870 812	1.5	70	2.0	7 288	1.3	443 683	1.4
Roanoke	6	9.9	64	9.9	5 800	10.1	3	20.5	54	20.5	3 031	22.8
Rockbridge	31	4.3	1 011	3.7	89 277	2.9	5	9.0	80	8.8	3 506	10.1
Rockingham	315	1.0	12 555	.7	1 341 116	.7	84	2.0	2 269	1.4	143 899	1.2
Russell	39	5.3	117	8.1	9 130	7.6	2	24.4	(D)	(D)	(D)	(D)
Scott	67	3.6	413	4.2	33 720	6.0	–	–	–	–	–	–
Shenandoah	167	1.7	5 512	1.4	540 843	1.3	48	3.2	874	3.3	51 993	3.4
Smyth	41	4.3	662	2.6	61 817	2.3	1	–	(D)	(D)	(D)	(D)
Southampton	137	1.5	10 037	1.3	732 671	1.1	61	2.4	5 001	1.0	285 798	1.2
Spotsylvania	28	4.7	1 913	5.5	192 588	6.3	23	4.8	877	4.9	46 470	4.9
Stafford	16	6.5	1 262	5.0	112 256	5.6	4	8.9	220	1.5	12 671	.9
Surry	58	2.4	5 310	1.8	466 819	1.2	63	2.2	7 112	1.2	416 653	1.1
Sussex	47	2.2	4 896	1.0	409 770	.7	46	1.9	5 850	.6	319 701	.6
Tazewell	29	5.2	280	4.5	19 647	4.6	4	14.5	10	19.2	427	25.5
Warren	12	6.8	367	8.5	28 045	9.3	3	14.5	57	16.0	3 510	14.0
Washington	82	2.9	1 157	1.7	109 580	1.7	2	15.2	(D)	(D)	(D)	(D)
Westmoreland	69	2.3	10 838	1.7	1 189 173	1.6	67	2.5	10 274	1.9	678 750	1.7
Wise	8	12.8	24	14.2	2 005	15.8	–	–	–	–	–	–
Wythe	54	3.3	1 552	2.1	118 515	2.1	15	6.9	259	10.1	18 380	10.6
York	1	41.6	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Chesapeake (IC)	61	2.7	14 815	1.0	1 513 221	1.0	41	3.3	11 018	1.1	607 791	1.1
Suffolk (IC)	99	1.7	10 718	1.1	718 679	1.3	71	2.1	7 241	1.2	404 235	1.2
Virginia Beach (IC)	33	3.8	5 809	1.8	625 100	1.5	28	3.9	7 928	1.1	461 992	.9

See footnotes at end of table.

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

Geographic area	Selected crops harvested—Con.											
	Tobacco						Soybeans for beans					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Pounds	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Virginia	**5 870**	**.5**	**54 035**	**.4**	**115 735 107**	**.3**	**3 135**	**.5**	**487 001**	**.3**	**11 406 611**	**.3**
Accomack	–	–	–	–	–	–	151	1.4	43 285	1.1	839 129	1.0
Albemarle	–	–	–	–	–	–	3	11.7	140	7.5	4 785	8.1
Alleghany	–	–	–	–	–	–	–	–	–	–	–	–
Amelia	25	5.3	563	2.1	1 142 263	1.9	50	2.6	5 283	2.6	97 291	3.1
Amherst	2	21.1	(D)	(D)	(D)	(D)	3	17.2	68	19.4	918	15.0
Appomattox	16	5.3	153	1.9	273 710	1.7	13	5.7	648	1.7	16 195	1.9
Arlington	–	–	–	–	–	–	–	–	–	–	–	–
Augusta	–	–	–	–	–	–	63	2.4	2 354	1.5	90 409	1.1
Bath	–	–	–	–	–	–	–	–	–	–	–	–
Bedford	12	7.4	85	8.9	161 832	9.2	3	10.2	130	7.1	2 610	11.6
Bland	26	5.3	41	7.6	75 847	7.3	–	–	–	–	–	–
Botetourt	–	–	–	–	–	–	–	–	–	–	–	–
Brunswick	113	2.4	2 911	.9	6 548 781	.9	67	3.0	4 817	2.2	110 855	2.3
Buchanan	29	3.3	39	4.2	71 896	5.0	–	–	–	–	–	–
Buckingham	9	10.5	20	18.2	33 543	17.7	2	26.1	(D)	(D)	(D)	(D)
Campbell	83	2.9	1 244	2.4	2 715 590	2.3	43	4.4	1 984	6.3	34 157	4.0
Caroline	3	9.3	(D)	(D)	(D)	(D)	65	2.6	19 393	1.2	517 461	1.3
Carroll	–	–	–	–	–	–	2	15.8	(D)	(D)	(D)	(D)
Charles City	–	–	–	–	–	–	25	2.7	9 028	.4	176 276	.2
Charlotte	162	1.9	2 445	1.9	5 368 165	1.8	10	10.1	349	14.7	12 259	20.1
Chesterfield	7	7.4	144	4.9	464 100	4.7	13	6.6	1 878	7.8	44 277	7.7
Clarke	–	–	–	–	–	–	14	5.4	2 017	4.7	58 405	4.2
Craig	–	–	–	–	–	–	–	–	–	–	–	–
Culpeper	–	–	–	–	–	–	28	3.4	4 258	1.1	124 749	1.4
Cumberland	13	6.6	178	9.5	360 043	10.2	2	–	(D)	(D)	(D)	(D)
Dickenson	12	4.0	27	1.2	48 693	1.4	–	–	–	–	–	–
Dinwiddie	91	2.3	1 748	1.2	4 467 048	1.1	107	2.1	12 761	1.2	244 404	1.3
Essex	–	–	–	–	–	–	72	1.8	20 860	1.2	375 821	1.1
Fairfax	–	–	–	–	–	–	2	27.0	(D)	(D)	(D)	(D)
Fauquier	–	–	–	–	–	–	49	3.0	7 722	1.0	283 024	.7
Floyd	3	18.3	4	22.8	5 884	22.3	1	–	(D)	(D)	(D)	(D)
Fluvanna	–	–	–	–	–	–	3	6.9	(D)	(D)	(D)	(D)
Franklin	95	2.1	1 391	2.1	3 172 407	2.2	9	7.1	401	7.5	10 934	8.8
Frederick	–	–	–	–	–	–	13	6.3	872	6.4	21 463	5.6
Giles	1	20.1	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Gloucester	–	–	–	–	–	–	36	2.8	8 352	1.7	182 178	2.3
Goochland	–	–	–	–	–	–	11	4.6	3 115	.9	104 917	.5
Grayson	174	1.8	292	2.6	492 550	2.5	–	–	–	–	–	–
Greene	–	–	–	–	–	–	–	–	–	–	–	–
Greensville	12	6.3	389	2.3	1 025 846	2.2	65	2.7	5 693	2.2	119 251	2.0
Halifax	516	1.0	9 034	.9	19 196 993	.9	70	3.3	2 445	2.8	55 625	2.6
Hanover	–	–	–	–	–	–	116	1.9	21 806	1.2	456 740	1.2
Henrico	–	–	–	–	–	–	26	5.4	5 305	2.7	132 500	2.0
Henry	27	5.2	520	2.4	1 166 513	2.8	4	17.9	57	21.1	1 080	20.8
Highland	–	–	–	–	–	–	–	–	–	–	–	–
Isle of Wight	1	35.0	(D)	(D)	(D)	(D)	118	1.5	12 977	.9	288 351	1.1
James City	–	–	–	–	–	–	7	4.9	1 965	.3	31 618	.5
King and Queen	–	–	–	–	–	–	75	1.9	16 197	1.4	336 526	1.3
King George	–	–	–	–	–	–	34	3.7	6 314	3.1	191 054	2.1
King William	–	–	–	–	–	–	64	2.6	17 341	1.2	336 876	1.4
Lancaster	–	–	–	–	–	–	53	1.6	7 661	2.8	188 516	2.9
Lee	643	1.0	2 083	1.4	3 487 725	1.4	–	–	–	–	–	–
Loudoun	–	–	–	–	–	–	43	3.6	8 856	1.5	276 308	1.8
Louisa	12	9.4	33	12.1	57 401	11.7	23	5.8	1 727	2.7	61 074	3.1
Lunenburg	92	2.4	2 361	1.3	5 265 682	1.3	20	5.0	1 342	2.6	31 160	3.2
Madison	–	–	–	–	–	–	25	3.1	2 705	2.4	95 146	2.3
Mathews	–	–	–	–	–	–	17	5.6	3 373	7.5	69 111	7.7
Mecklenburg	233	1.4	6 716	.8	15 266 937	.8	72	2.7	7 740	1.2	195 637	1.2
Middlesex	–	–	–	–	–	–	37	3.6	8 254	2.8	152 361	2.6
Montgomery	7	9.5	11	7.2	16 966	6.3	–	–	–	–	–	–
Nelson	–	–	–	–	–	–	2	19.6	(D)	(D)	(D)	(D)
New Kent	–	–	–	–	–	–	25	3.5	5 041	1.7	96 298	1.7
Northampton	–	–	–	–	–	–	110	1.6	24 925	1.1	501 273	1.0
Northumberland	–	–	–	–	–	–	81	1.8	17 165	1.1	418 612	1.3
Nottoway	38	4.2	876	2.7	1 666 394	3.0	19	6.2	710	2.8	16 922	2.2
Orange	–	–	–	–	–	–	17	5.1	3 004	1.4	108 536	1.2
Page	–	–	–	–	–	–	17	5.9	480	3.6	18 124	2.9
Patrick	52	3.6	952	3.0	1 935 639	2.8	11	7.9	197	2.7	7 482	2.1
Pittsylvania	449	.9	11 132	.6	24 945 874	.5	85	2.6	2 565	2.6	60 903	2.2
Powhatan	4	15.9	59	16.6	88 916	19.6	16	7.0	1 081	9.3	25 532	8.3
Prince Edward	39	4.1	324	5.3	600 365	5.6	3	18.1	(D)	(D)	(D)	(D)
Prince George	1	–	(D)	(D)	(D)	(D)	53	2.7	9 224	1.8	186 281	2.0
Prince William	–	–	–	–	–	–	15	5.1	2 426	2.1	73 924	2.2
Pulaski	1	26.5	(D)	(D)	(D)	(D)	1	–	(D)	(D)	(D)	(D)
Rappahannock	–	–	–	–	–	–	2	9.7	(D)	(D)	(D)	(D)
Richmond	–	–	–	–	–	–	87	1.6	11 793	1.4	235 195	1.5
Roanoke	1	32.7	(D)	(D)	(D)	(D)	–	–	–	–	–	–
Rockbridge	–	–	–	–	–	–	6	7.5	256	2.0	10 892	.9
Rockingham	–	–	–	–	–	–	98	1.7	4 442	2.2	170 626	2.3

See footnotes at end of table.

1997 CENSUS OF AGRICULTURE

USDA, National Agricultural Statistics Service

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

Selected crops harvested—Con.

Geographic area	Tobacco Farms Number	Farms Relative standard error of estimate (percent)	Acres Number	Acres Relative standard error of estimate (percent)	Quantity Pounds	Quantity Relative standard error of estimate (percent)	Soybeans Farms Number	Farms Relative standard error of estimate (percent)	Acres Number	Acres Relative standard error of estimate (percent)	Quantity Bushels	Quantity Relative standard error of estimate (percent)
Russell	623	1.0	1 678	1.5	3 122 911	1.6	–	–	–	–	–	–
Scott	809	.8	2 321	1.3	4 301 867	1.3	1	36.1	(D)	(D)	(D)	(D)
Shenandoah...........	–	–	–	–	–	–	84	2.4	4 145	2.5	156 661	2.5
Smyth	358	1.1	846	1.9	1 506 615	2.0	–	–	–	–	–	–
Southampton	2	16.0	(D)	(D)	(D)	(D)	141	1.5	12 778	1.1	323 971	.9
Spotsylvania...........	–	–	–	–	–	–	33	4.4	2 895	4.2	92 610	3.6
Stafford	–	–	–	–	–	–	13	6.3	1 548	5.9	49 200	6.5
Surry	1	21.8	(D)	(D)	(D)	(D)	75	1.7	10 743	1.2	192 074	.9
Sussex	12	4.4	247	3.1	597 410	2.7	73	1.8	16 255	1.0	333 437	1.2
Tazewell	36	5.0	71	6.6	127 351	7.3	–	–	–	–	–	–
Warren	–	–	–	–	–	–	1	23.8	(D)	(D)	(D)	(D)
Washington	1 000	.7	2 932	1.3	5 602 563	1.3	–	–	–	–	–	–
Westmoreland	–	–	–	–	–	–	93	1.8	19 360	1.2	384 306	1.0
Wise	18	8.0	36	9.8	53 965	11.9	–	–	–	–	–	–
Wythe	5	7.7	15	7.8	29 480	7.5	–	–	–	–	–	–
York..................	–	–	–	–	–	–	3	18.3	170	17.9	3 098	17.6
Chesapeake (IC)	–	–	–	–	–	–	83	2.2	25 647	.9	816 729	1.0
Suffolk (IC)	2	–	(D)	(D)	(D)	(D)	106	1.5	15 739	1.1	334 853	1.2
Virginia Beach (IC)	–	–	–	–	–	–	52	3.3	11 656	1.6	375 786	1.5

Selected crops harvested—Con.

Geographic area	Peanuts for nuts Farms Number	Farms Relative standard error of estimate (percent)	Acres Number	Acres Relative standard error of estimate (percent)	Quantity Pounds	Quantity Relative standard error of estimate (percent)	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. Farms Number	Farms Relative standard error of estimate (percent)	Acres Number	Acres Relative standard error of estimate (percent)	Quantity Tons, dry	Quantity Relative standard error of estimate (percent)
Virginia	**702**	**.6**	**74 867**	**.3**	**190 590 588**	**.3**	**25 028**	**.4**	**1 189 425**	**.3**	**2 291 672**	**.3**
Accomack.............	2	18.6	(D)	(D)	(D)	(D)	17	7.5	377	7.0	931	6.9
Albemarle	–	–	–	–	–	–	448	1.1	34 316	1.5	60 445	1.4
Alleghany	–	–	–	–	–	–	125	1.3	4 600	2.3	7 865	2.7
Amelia................	–	–	–	–	–	–	187	1.3	10 405	2.7	17 538	2.1
Amherst	–	–	–	–	–	–	267	1.1	13 039	1.6	22 326	2.0
Appomattox	–	–	–	–	–	–	257	1.1	13 738	1.4	21 480	1.5
Arlington	–	–	–	–	–	–	–	–	–	–	–	–
Augusta...............	–	–	–	–	–	–	1 000	.5	53 012	.6	119 876	.7
Bath	–	–	–	–	–	–	96	1.6	8 732	1.8	13 736	1.9
Bedford	–	–	–	–	–	–	915	.5	42 884	.9	76 312	1.1
Bland	–	–	–	–	–	–	290	.8	11 161	1.2	19 432	1.4
Botetourt	–	–	–	–	–	–	377	.8	17 107	1.2	32 818	1.3
Brunswick	1	–	(D)	(D)	(D)	(D)	145	1.9	6 769	2.0	13 219	2.3
Buchanan	–	–	–	–	–	–	34	3.2	459	4.8	1 147	8.2
Buckingham	–	–	–	–	–	–	269	1.1	16 604	1.8	29 640	2.0
Campbell	–	–	–	–	–	–	406	1.0	21 938	1.5	37 033	1.7
Caroline	–	–	–	–	–	–	90	2.3	3 479	2.8	7 468	2.7
Carroll	–	–	–	–	–	–	641	.8	22 492	1.3	46 391	1.6
Charles City	–	–	–	–	–	–	17	4.5	603	3.4	852	4.9
Charlotte	–	–	–	–	–	–	280	1.4	14 952	1.6	28 971	1.7
Chesterfield	2	22.3	(D)	(D)	(D)	(D)	72	3.0	2 417	8.1	3 060	7.3
Clarke	–	–	–	–	–	–	202	1.5	17 331	2.1	29 502	1.9
Craig	–	–	–	–	–	–	137	1.2	7 245	2.2	11 420	3.0
Culpeper	–	–	–	–	–	–	319	1.1	27 041	1.7	49 031	1.7
Cumberland	–	–	–	–	–	–	173	1.2	10 286	1.5	20 699	1.7
Dickenson.............	–	–	–	–	–	–	66	1.7	1 303	2.3	2 211	3.1
Dinwiddie	28	4.0	2 772	1.0	6 298 152	.8	134	2.0	5 004	2.5	8 633	2.4
Essex	–	–	–	–	–	–	23	6.3	1 140	7.9	2 223	8.2
Fairfax................	–	–	–	–	–	–	21	6.4	1 515	4.5	2 956	3.9
Fauquier	–	–	–	–	–	–	536	.9	42 264	1.2	80 962	1.8
Floyd	–	–	–	–	–	–	540	.6	21 397	.9	48 105	1.2
Fluvanna..............	–	–	–	–	–	–	180	1.3	11 807	2.1	21 036	2.5
Franklin...............	–	–	–	–	–	–	631	.7	28 943	.8	58 327	1.0
Frederick..............	1	35.2	(D)	(D)	(D)	(D)	354	1.1	19 665	1.5	32 086	1.9
Giles	–	–	–	–	–	–	260	1.0	9 130	1.6	15 165	1.8
Gloucester	–	–	–	–	–	–	24	5.1	720	8.6	1 024	9.4
Goochland	–	–	–	–	–	–	145	1.4	9 177	2.4	17 664	2.0
Grayson	–	–	–	–	–	–	555	.7	19 171	1.0	43 379	1.3
Greene	–	–	–	–	–	–	139	1.7	6 948	2.5	12 644	2.7
Greensville	72	2.4	8 384	1.1	20 585 992	1.1	25	5.9	1 151	3.6	2 732	2.1
Halifax................	–	–	–	–	–	–	455	1.1	18 673	1.7	30 444	2.0
Hanover	–	–	–	–	–	–	266	1.1	13 140	2.0	27 508	2.2
Henrico...............	–	–	–	–	–	–	59	3.4	2 628	5.7	3 509	5.5
Henry.................	–	–	–	–	–	–	177	1.8	8 030	3.5	13 976	4.9
Highland	–	–	–	–	–	–	191	1.2	9 018	1.9	15 623	2.2
Isle of Wight	129	1.3	13 075	.6	35 274 773	.6	20	5.0	1 061	1.4	3 083	.6
James City	–	–	–	–	–	–	21	4.0	900	2.7	1 605	2.7
King and Queen	1	20.8	(D)	(D)	(D)	(D)	40	3.5	915	6.0	1 359	6.4
King George	–	–	–	–	–	–	58	2.7	4 156	2.8	6 776	3.6

See footnotes at end of table.

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

| Geographic area | Peanuts for nuts | | | | | | Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) | | | | | |
| | Farms | | Acres | | Quantity | | Farms | | Acres | | Quantity | |
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Pounds	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
King William	–	–	–	–	–	–	29	5.0	1 298	4.6	2 761	4.9
Lancaster	–	–	–	–	–	–	5	–	179	–	370	–
Lee	–	–	–	–	–	–	726	.9	18 432	1.3	35 083	1.6
Loudoun	–	–	–	–	–	–	568	.9	42 720	1.1	73 011	1.3
Louisa	–	–	–	–	–	–	276	1.1	16 814	2.0	32 672	2.1
Lunenburg	–	–	–	–	–	–	199	1.4	8 350	2.2	13 760	2.6
Madison	–	–	–	–	–	–	272	.9	18 520	1.0	44 389	.9
Mathews	–	–	–	–	–	–	23	5.6	787	8.9	2 014	8.1
Mecklenburg	2	14.8	(D)	(D)	(D)	(D)	348	1.1	21 565	1.3	39 034	1.5
Middlesex	–	–	–	–	–	–	27	4.3	752	10.4	1 365	11.6
Montgomery	–	–	–	–	–	–	379	.8	17 372	1.2	35 932	1.0
Nelson	–	–	–	–	–	–	219	1.4	11 626	2.4	21 292	2.6
New Kent	–	–	–	–	–	–	25	4.3	578	6.4	1 025	7.2
Northampton	3	–	219	–	534 300	–	6	10.0	71	1.5	100	2.2
Northumberland	–	–	–	–	–	–	23	5.5	570	7.9	1 343	11.3
Nottoway	–	–	–	–	–	–	218	1.3	12 815	1.8	24 041	2.3
Orange	–	–	–	–	–	–	285	1.2	21 113	1.7	37 156	1.7
Page	–	–	–	–	–	–	344	1.0	15 944	1.6	31 680	1.7
Patrick	–	–	–	–	–	–	352	1.0	13 191	1.7	22 564	2.3
Pittsylvania	3	14.3	(D)	(D)	(D)	(D)	740	.7	31 746	1.1	54 825	1.4
Powhatan	–	–	–	–	–	–	120	2.0	7 249	2.7	15 562	3.6
Prince Edward	–	–	–	–	–	–	195	1.3	12 937	1.9	22 415	2.3
Prince George	16	4.1	1 557	1.6	2 942 975	1.8	48	3.4	1 419	5.3	1 408	5.1
Prince William	–	–	–	–	–	–	152	1.6	10 295	2.3	15 692	2.0
Pulaski	–	–	–	–	–	–	277	.9	15 550	1.2	40 274	1.1
Rappahannock	–	–	–	–	–	–	220	1.1	16 293	1.3	30 351	1.4
Richmond	–	–	–	–	–	–	29	4.5	878	4.0	1 949	5.1
Roanoke	–	–	–	–	–	–	172	1.6	5 083	2.6	8 205	3.5
Rockbridge	–	–	–	–	–	–	458	.8	26 200	1.1	48 034	1.1
Rockingham	–	–	–	–	–	–	1 209	.5	51 722	.6	111 228	.7
Russell	–	–	–	–	–	–	711	.8	19 883	1.0	41 841	1.3
Scott	–	–	–	–	–	–	921	.7	17 517	1.2	36 954	1.5
Shenandoah	–	–	–	–	–	–	552	.7	24 056	1.1	46 248	1.2
Smyth	–	–	–	–	–	–	519	.8	19 353	1.3	47 356	1.6
Southampton	189	1.1	22 888	.4	62 716 099	.4	19	5.4	897	5.4	2 864	4.4
Spotsylvania	–	–	–	–	–	–	176	1.3	9 079	2.2	17 434	2.4
Stafford	–	–	–	–	–	–	100	2.0	4 676	5.0	7 788	3.7
Surry	69	1.4	6 002	1.0	14 210 105	1.0	21	4.7	887	3.8	3 528	2.0
Sussex	69	1.5	8 605	.7	21 869 120	.7	14	5.0	951	1.8	1 005	2.2
Tazewell	–	–	–	–	–	–	335	1.0	15 544	1.4	32 081	1.8
Warren	–	–	–	–	–	–	175	1.2	9 067	2.0	14 715	2.2
Washington	–	–	–	–	–	–	1 093	.7	32 298	.9	76 062	1.1
Westmoreland	–	–	–	–	–	–	33	4.5	1 353	3.6	3 024	2.2
Wise	–	–	–	–	–	–	82	2.6	2 750	5.1	5 214	6.0
Wythe	–	–	–	–	–	–	559	.6	27 330	1.1	56 287	1.2
York	–	–	–	–	–	–	6	7.9	87	6.8	162	13.0
Chesapeake (IC)	3	16.4	61	17.1	116 760	17.5	44	4.1	1 653	7.5	3 045	5.9
Suffolk (IC)	110	1.4	10 867	.8	24 960 728	1.0	24	5.1	395	10.7	1 175	16.1
Virginia Beach (IC)	2	18.4	(D)	(D)	(D)	(D)	16	8.5	737	12.1	1 132	14.3

| 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)
Virginia	**1 080**	**1.0**	**27 650**	**.8**
Accomack	4	16.3	33	28.9
Albemarle	48	4.7	1 633	2.2
Alleghany	2	14.1	(D)	(D)
Amelia	5	12.4	30	13.3
Amherst	12	8.4	380	2.3
Appomattox	2	21.3	(D)	(D)
Arlington	–	–	–	–
Augusta	14	8.0	98	10.8
Bath	5	12.7	17	11.6
Bedford	33	4.7	314	8.5
Bland	3	16.2	15	19.8
Botetourt	18	6.3	515	3.8
Brunswick	8	11.2	36	20.0
Buchanan	2	26.0	(D)	(D)
Buckingham	5	15.9	11	18.7
Campbell	8	12.9	18	14.4
Caroline	3	18.6	(D)	(D)
Carroll	52	4.1	660	3.5
Charles City	1	22.9	(D)	(D)

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)
Charlotte	5	14.9	21	26.1
Chesterfield	3	24.7	10	26.6
Clarke	18	5.8	2 744	1.1
Craig	1	30.8	(D)	(D)
Culpeper	16	7.7	62	7.3
Cumberland	5	8.3	37	7.5
Dickenson	2	16.3	(D)	(D)
Dinwiddie	6	12.2	14	13.6
Essex	6	12.1	34	25.2
Fairfax	11	10.2	166	32.2
Fauquier	44	4.1	415	4.6
Floyd	14	7.2	97	8.6
Fluvanna	8	11.3	27	11.3
Franklin	33	4.8	221	7.2
Frederick	82	2.5	9 670	.8
Giles	6	11.7	(D)	(D)
Gloucester	5	12.8	54	12.5
Goochland	6	9.4	28	10.2
Grayson	6	12.5	13	16.6
Greene	9	11.9	38	17.1
Greensville	2	33.3	(D)	(D)
Halifax	7	12.4	16	13.8
Hanover	10	7.9	46	10.9
Henrico	1	33.4	(D)	(D)
Henry	5	13.4	26	15.8
Highland	10	9.3	36	13.0
Isle of Wight	3	14.4	4	12.0
James City	5	12.1	74	4.5
King and Queen	1	33.1	(D)	(D)
King George	8	9.6	36	16.3
King William	6	14.0	15	18.2
Lancaster	—	—	—	—
Lee	17	8.2	37	13.0
Loudoun	50	4.2	284	5.7
Louisa	5	17.1	8	18.2
Lunenburg	2	22.5	(D)	(D)
Madison	18	5.5	486	5.6
Mathews	1	31.4	(D)	(D)
Mecklenburg	7	11.3	16	14.8
Middlesex	4	16.9	6	23.8
Montgomery	12	7.4	66	10.9
Nelson	30	5.5	1 239	4.5
New Kent	2	17.5	(D)	(D)
Northampton	5	15.7	29	18.6
Northumberland	1	—	(D)	(D)
Nottoway	4	18.5	11	23.1
Orange	12	5.8	399	2.4
Page	5	17.0	16	19.0
Patrick	48	3.9	744	3.6
Pittsylvania	19	7.1	67	11.2
Powhatan	6	13.1	9	13.7
Prince Edward	7	10.3	32	7.3
Prince George	4	16.1	10	16.7
Prince William	6	13.3	9	13.4
Pulaski	1	30.9	(D)	(D)
Rappahannock	40	3.7	751	3.6
Richmond	2	28.8	(D)	(D)
Roanoke	22	6.6	175	10.3
Rockbridge	16	7.9	139	11.8
Rockingham	32	4.9	1 635	.6
Russell	9	11.2	17	14.4
Scott	11	8.9	32	18.4
Shenandoah	19	6.1	2 418	.5
Smyth	5	12.4	84	2.9
Southampton	3	14.9	16	22.0
Spotsylvania	8	11.2	24	31.2
Stafford	5	13.2	15	10.7
Surry	4	11.4	20	12.9
Sussex	1	30.0	(D)	(D)
Tazewell	7	11.4	19	12.1
Warren	11	8.3	727	22.6
Washington	14	7.9	28	8.9
Westmoreland	5	13.5	41	5.9
Wise	5	15.4	33	13.6
Wythe	6	9.8	47	6.0
York	1	31.4	(D)	(D)
Chesapeake (IC)	6	14.0	48	32.0
Suffolk (IC)	5	11.2	12	4.7
Virginia Beach (IC)	8	11.1	10	12.7

[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		Coverage adjustment (percent)
			Total	Relative standard error (percent)	
Farms .... number..	41 095	8 250	49 345	3.1	16.7
Land in farms .... acres..	8 228 226	464 168	8 692 394	2.6	5.3
Average size of farm .... acres..	200	56	176	(X)	(X)
Farms by size of farm:					
Less than 10 acres	2 864	909	3 773	12.9	24.1
10 to 49 acres	10 283	4 399	14 682	7.0	30.0
50 to 179 acres	15 938	2 376	18 314	4.3	13.0
180 acres or more	12 010	566	12 576	3.1	4.5
Farms by value of sales:					
Less than $2,500	10 999	5 738	16 737	7.0	34.3
$2,500 to $9,999	13 957	1 619	15 576	4.5	10.4
$10,000 or more	16 139	893	17 032	3.0	5.2
Market value of agricultural products sold .... $1,000..	2 343 518	35 834	2 379 352	.8	1.5
Farms by type of organization:					
Individual or family..	35 824	8 071	43 895	3.3	18.4
Partnership, corporation, or other	5 271	179	5 450	5.8	3.3
Farms by tenure of operator:					
Full owners	25 644	6 224	31 868	4.0	19.5
Part owners	12 467	1 628	14 095	4.1	11.6
Tenants	2 984	398	3 382	10.3	11.8
Operators by place of residence:					
On farm operated	30 007	7 359	37 366	3.6	19.7
Not on farm operated	7 904	590	8 494	5.3	6.9
Not reported	3 184	301	3 485	7.8	8.6
Operators by principal occupation:					
Farming	18 410	1 980	20 390	3.7	9.7
Other	22 685	6 270	28 955	4.5	21.7
Operators by sex:					
Male	36 672	7 089	43 761	3.2	16.2
Female...	4 423	1 161	5 584	9.6	20.8
Operators by race:					
White	39 854	7 857	47 711	3.1	16.5
Black and other races	1 241	393	1 634	11.7	24.1
Operators by years on present farm:					
4 years or less	4 276	1 439	5 715	11.1	25.2
5 years or more	29 044	3 222	32 266	2.5	10.0
Not reported	7 775	3 589	11 364	8.4	31.6

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