would correspond directly to the June Survey classification of farm or nonfarm and to the value of sales class indicated by the June Survey value code. The coverage estimates for acres in table 4 and number of farms by value of sales class, type, tenure, etc. in tables 2, 3, and 8 do not include adjustments for the nonrespondent matches. Nonrespondents are also excluded from the sampling reliability estimates in tables 10 and 11.

The adjustment procedure used in tables 1 and 7 was needed to distribute the nonrespondents by value of sales class since census records could not be related to the nonrespondent matched units. Inclusion of the nonrespondents provides more complete estimates of the entire census universe of farms. The procedure involved a separate tabulation of nonrespondent matches by the June Survey value code, which reflected the 1968 value of products sold. The distribution of the units by value code were related to sales class and corresponding adjustments were made for the nonrespondent match units in each State, division, and region. It is believed that this procedure does not introduce any large degree of bias in the estimates.

The second estimation problem involved the coverage check farms which matched small farms not included in the 50-percent census sample. Since the nonsample places did not receive a census report, no measure of the effect of mailing, processing, and respondent reaction was available. Therefore, matches to nonsample cases were not used and coverage check estimates include only the matched sample of the small farms which received census reports. This part of the sample is weighted to represent the small farm portion of the population.

COVERAGE CHECK RESULTS

Estimates of Census Coverage

Estimates of census coverage of farms are presented in tables 1, 2, and 3 for the United States and census regions, and in tables

7 and 8 for specified States. Estimates of census coverage of land in farms and the sampling error of these estimates are presented in table 4 by census region and division. The major characteristics of farms missed in the census are presented in tables 5 and 6 for the United States and census regions, and in table 9 for specified States. Estimates of sampling error are presented in tables 10 and 11.

The estimates in tables 1 and 7 are from the entire coverage sample and include adjustments for matches to census non-respondents. The data presented in all tables other than 1 and 7 do not include the part of the coverage sample matched to nonrespondents and represent only those coverage units directly matched to census reports. In general, the estimates excluding nonrespondents indicate a lower level of census coverage, since all units matched to nonrespondents were assumed to be included in the census by virtue of the census replication procedure. The total group matched to nonrespondents is approximately 11 percent of the estimate of all farms included in the census. (See page 5, Estimation Procedure.)

Estimates of the components of coverage are presented in table 1 thru 4 and tables 7 and 8. The components of coverage are groups of farms included, overcounted, and missed in relation to the census. The overcounted farms are a part of the farms included in the census.

The coverage check estimates for number of farms by value of sale class are presented in table 1 and by value of sales class and type of farm in table 2 for the United States and census divisions. Estimates of farms $2,500 and over and under $2,500 value of sales are presented in tables 8 and 9 for specified States or State groups. The value of sales class is based upon 1969 census data for units included and overcounted in the census and 69-A90 data for units missed in the census. The 69-A90 value of sales class is assumed to be the same as would have been obtained if the operation had been included in the census.

The estimates in table A below and in table 1 indicate that 85 percent of all farms in the conterminous United States were

Table A. Estimates of Census Coverage and Sampling Error of Number of Farms by Value of Sales Group: United States

	All farms		$2,500 and over		Under $2,500	
	Number	Standard error of estimate	Number	Standard error of estimate	Number	Standard error of estimate
Estimated total farms, number ....1,000..	2,708	31	1,586	20	1,122	23
Included in census:						
Number of farms ....1,000..	2,301	34	1,534	25	768	19
Percent of estimated total .... percent..	85.0	—	96.7	—	68.4	—
Overcounted in census:						
Number of farms ....1,000..	70	5	51	3	19	4
Percent of estimated total .... percent..	2.6	—	32	—	1.7	—
Missed in census:						
Number of farms ....1,000..	477	13	103	6	374	12
Percent of estimated total .... percent..	17.6	—	6.5	—	33.3	—

Note: Data may not add to totals due to rounding. Coverage estimates include adjustments for nonrespondents; sampling error estimates do not include nonrespondents.