

provided for a detailed reenumeration of farms and land in 772 rural segments containing approximately 2,800 farms, and 700 additional farms located in the same enumeration districts as the 772 segments. The survey also entailed checking on places having agricultural operation in 3,000 segments in urban areas and the verification of the census reports of land in farms, cropland harvested and acreage in corn, wheat, and cotton harvested for 120 farms of 1,000 to 9,999 acres and 365 farms of 10,000 acres and over.

The re-enumeration was performed as soon as possible after the completion of the Census enumeration by approximately 60 specially selected and trained enumerators. These enumerators were provided with very detailed procedures and questionnaires and with aerial photographs of the segments to be re-enumerated. They were required to prepare maps showing the location of all dwellings and the location, area and land and crop use of all fields within the segment. For farms located outside the segment and covered by the special survey, the enumerators were required to fill a detailed questionnaire providing information on land in the farm and land use. The questionnaires obtained during the re-enumeration were matched at the central office with agriculture questionnaires obtained by the Census enumerators. When the information obtained during the re-enumeration differed appreciably from that obtained by the first Census enumerator, another

special survey enumerator was sent to determine the reasons for the differences. A description of the special survey and procedures for measuring the completeness of the 1950 Census of Agriculture follow.

The estimates of underenumeration prepared on the basis of the special survey are given in Tables 8 to 11. Comparable data of the 1950 Census are given in Tables 8 and 9. The estimates of underenumeration represent net underenumeration as some farms and farm land were included more than once in the Census while other farms and farm land were not included in the Census. Underenumeration resulted from the farm not being enumerated, two or more farms being enumerated as one farm, and the erroneous exclusion of farms from the tabulations because the information reported by the Census enumerators indicated that the place did not qualify as a farm according to the Census definition. On the other hand, overenumeration resulted from the same farm or the farm land being included in the Census tabulations more than once, or being erroneously included in the Census tabulations. (In such cases the reenumeration indicated that the place did not qualify as a farm in accordance with the Census definition.)

The estimates for underenumeration, include estimates for farms not included in the Census, and also for differences in the reported data for farms included both in the Census and the special survey.

TABLE 8.—ESTIMATES OF UNDERENUMERATION FOR NUMBER OF FARMS AND SELECTED ITEMS FOR THE UNITED STATES: 1954 AND 1950 CENSUSES OF AGRICULTURE

| Census and item | Estimated total (000) | Reported in the Census | | Estimated underenumeration | | | | |
|-----------------------------------|-----------------------|------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------------------|
| | | Amount (000) | Percent of estimated total | Amount (000) | Percent of estimated total | Sampling error of estimate | | |
| | | | | | | Amount (000) | Percent of estimated total | Percent of estimated underenumeration |
| 1954 | | | | | | | | |
| Farms.....number..... | 5,201 | 4,782 | 91.9 | 419 | 8.1 | 49 | 0.9 | 11.7 |
| Land in farms.....acres..... | 1,223,891 | 1,158,192 | 94.6 | 65,699 | 5.4 | 22,798 | 1.9 | 34.7 |
| Cropland harvested.....acres..... | 346,580 | 332,870 | 96.0 | 13,710 | 4.0 | 3,907 | 1.1 | 28.5 |
| Corn harvested.....acres..... | 80,886 | 78,123 | 96.6 | 2,763 | 3.4 | 950 | 1.2 | 34.4 |
| Wheat harvested.....acres..... | 54,263 | 51,362 | 94.7 | 2,901 | 5.3 | 2,248 | 4.1 | 77.5 |
| Cotton harvested.....acres..... | 19,026 | 18,354 | 99.1 | 172 | 0.9 | 286 | 1.5 | 166.0 |
| 1950¹ | | | | | | | | |
| Farms.....number..... | 5,656 | 5,382 | 95.2 | 274 | 4.8 | 36 | 0.6 | 13.1 |
| Land in farms.....acres..... | 1,209,601 | 1,159,789 | 95.9 | 49,812 | 4.1 | 13,917 | 1.2 | 27.9 |
| Cropland harvested.....acres..... | 363,022 | 345,528 | 95.2 | 17,494 | 4.8 | 3,801 | 1.0 | 21.7 |
| Corn harvested.....acres..... | 83,632 | 83,351 | 99.7 | 281 | 0.3 | 750 | 0.9 | 267.0 |
| Wheat harvested.....acres..... | 74,219 | 71,161 | 95.9 | 3,058 | 4.1 | 1,850 | 2.5 | 60.5 |
| Cotton harvested.....acres..... | 28,646 | 26,599 | 92.9 | 2,047 | 7.1 | 1,037 | 3.6 | 50.7 |

¹ These estimates of net underenumeration in 1950 are not fully comparable to the estimates presented in Table 11 of the Introduction to Vol. II of the Reports of the 1950 Census of Agriculture. The estimates in Table 11 reflect only coverage errors in the count of farms and do not reflect errors in reporting.

TABLE 9.—ESTIMATES OF UNDERENUMERATION FOR NUMBER OF FARMS BY SIZE OF FARM FOR THE UNITED STATES: 1954 AND 1950 CENSUSES OF AGRICULTURE

| Census and size of farm (total acres in farm) | Estimated total (000) | Reported in the Census | | Estimated under enumeration | | | | |
|---|-----------------------|------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|--|
| | | Amount (000) | Percent of estimated total | Amount (000) | Percent of estimated total | Sampling error of estimate | | |
| | | | | | | Amount (000) | Percent of estimated total | Percent of estimated under enumeration |
| 1954 | | | | | | | | |
| All farms.....number..... | 5,201 | 4,782 | 91.9 | 419 | 8.1 | 49 | 0.9 | 11.7 |
| Under 10 acres.....number of farms..... | 588 | 484 | 82.3 | 104 | 17.7 | 24 | 4.1 | 23.1 |
| 10-49 acres.....number of farms..... | 1,364 | 1,213 | 88.9 | 151 | 11.1 | 30 | 2.2 | 19.9 |
| 50-99 acres.....number of farms..... | 925 | 864 | 93.4 | 61 | 6.6 | 18 | 1.9 | 29.5 |
| 100-219 acres.....number of farms..... | 1,271 | 1,210 | 95.2 | 61 | 4.8 | 11 | 0.9 | 18.0 |
| 220 acres and over.....number of farms..... | 1,053 | 1,011 | 96.0 | 42 | 4.0 | 10 | 0.9 | 23.8 |
| 1950 | | | | | | | | |
| All farms.....number..... | 5,656 | 5,382 | 95.2 | 274 | 4.8 | 36 | 0.6 | 13.1 |
| Under 10 acres.....number of farms..... | 565 | 485 | 85.8 | 80 | 14.2 | 22 | 3.9 | 27.5 |
| 10-49 acres.....number of farms..... | 1,579 | 1,478 | 93.6 | 101 | 6.4 | 19 | 1.2 | 13.8 |
| 50-99 acres.....number of farms..... | 1,090 | 1,048 | 96.1 | 42 | 3.9 | 17 | 1.6 | 40.5 |
| 100-219 acres.....number of farms..... | 1,419 | 1,377 | 97.0 | 42 | 3.0 | 15 | 1.1 | 35.7 |
| 220 acres and over.....number of farms..... | 1,003 | 994 | 99.1 | 9 | 0.9 | 4 | 0.4 | 44.4 |