
Appendix B.

American Indian and Alaska Native Farm Operators

Appendix B provides additional agricultural census data for farms and ranches operated by American Indians or Alaska Natives. Census report forms asked respondents to identify the race of up to three operators per farm or ranch. The race category of “American Indian or Alaska Native” could be selected as either a single race or in combination of other races as part of a multi-racial identification. Appendix B tables include data for farms or ranches whose operators self-identified as American Indian or Alaska Native either as a single race or in combination with other races. Appendix B is the only part of the volume 1 publication that includes this breakout of multi-race designation. Tables in other parts of the publication include as American Indian or Alaska Native only those operators with single-race identification. All multi-race identifications are combined together in the category “more than one race reported.”

To improve coverage of reservation agriculture, special procedures were followed in the census. A reservation-level census report form was obtained from knowledgeable reservation officials of most large reservations. These reports covered agricultural activity on the entire reservation. NASS reviewed these data and removed duplication with any data reported by American Indian or Alaska native farm operators who responded on an individual census report form. Additionally NASS obtained, from knowledgeable reservation officials, the count of American Indian and Alaska Native farm operators (on reservations) who were not counted through individual census report forms, but whose agricultural activity was included in the reservation-level report. Appendix B is the only part of the volume 1 publication that provides a total count of American Indian and Alaska Native farm operators, including those who returned an individual report and those otherwise included in the reservation-level report. Tables in other parts of the

publication count the number of individual reports from reservations plus the reservation report as a single farm.

Table A, American Indian and Alaska Native Operators: 2002, provides the number of farm operators (for up to three operators per farm) reported as American Indian or Alaska Native in the race category on the individual census report forms, plus the total number of American Indian or Alaska Native operators farming on reservations as reported by reservation officials. The count from the individual report forms is summarized in the “individually reported” column. It includes operators on or off reservations. The “other” column provides counts of operators on reservations as reported by a reservation or tribal official.

Table B, Selected Characteristics for Farms Operated By American Indians or Alaska Natives and For Total Farms: 2002, provides aggregated data for operations where at least one operator was American Indian or Alaska Native. Data include resource and production inputs and outputs of farms and ranches operated by American Indians and Alaska Natives, and compares the data to all farms. Reservation-level reports are included.

Table C, Selected Operator Characteristics for American Indians and Alaska Natives and for Total Reporting: 2002, presents demographic data for up to three American Indian or Alaska Native operators reported per farm or ranch on individual and reservation-level census report forms.

Table A. American Indian or Alaska Native Operators: 2002

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

| Geographic area | American Indian or Alaska Native farm operators | | | Geographic area | American Indian or Alaska Native farm operators | | |
|--------------------|---|------------------------------------|--------------------|-----------------|---|------------------------------------|--------------------|
| | Total | Individually reported ¹ | Other ² | | Total | Individually reported ¹ | Other ² |
| STATE TOTAL | | | | Kent | 5 | 5 | - |
| Michigan | 499 | 499 | - | Lake | 1 | 1 | - |
| COUNTIES | | | | Lapeer | 5 | 5 | - |
| Alger | 1 | 1 | - | Leelanau | 5 | 5 | - |
| Allegan | 4 | 4 | - | Lenawee | 4 | 4 | - |
| Antrim | 1 | 1 | - | Livingston | 9 | 9 | - |
| Arenac | 8 | 8 | - | Mackinac | 3 | 3 | - |
| Baraga | 2 | 2 | - | Macomb | 4 | 4 | - |
| Barry | 10 | 10 | - | Manistee | 6 | 6 | - |
| Bay | 9 | 9 | - | Marquette | 4 | 4 | - |
| Berrien | 7 | 7 | - | Mason | 8 | 8 | - |
| Branch | 9 | 9 | - | Mecosta | 1 | 1 | - |
| Calhoun | 16 | 16 | - | Menominee | 1 | 1 | - |
| Cass | 10 | 10 | - | Midland | 1 | 1 | - |
| Charlevoix | 2 | 2 | - | Missaukee | 3 | 3 | - |
| Cheboygan | 5 | 5 | - | Monroe | 14 | 14 | - |
| Chippewa | 15 | 15 | - | Montcalm | 9 | 9 | - |
| Clare | 1 | 1 | - | Montmorency | 1 | 1 | - |
| Clinton | 10 | 10 | - | Muskegon | 4 | 4 | - |
| Delta | 12 | 12 | - | Newaygo | 8 | 8 | - |
| Dickinson | 2 | 2 | - | Oakland | 5 | 5 | - |
| Eaton | 10 | 10 | - | Oceana | 6 | 6 | - |
| Emmet | 5 | 5 | - | Ogemaw | 4 | 4 | - |
| Genesee | 14 | 14 | - | Osceola | 8 | 8 | - |
| Gladwin | 4 | 4 | - | Oscoda | 1 | 1 | - |
| Grand Traverse | 3 | 3 | - | Otsego | 8 | 8 | - |
| Gratiot | 11 | 11 | - | Ottawa | 3 | 3 | - |
| Hillsdale | 22 | 22 | - | Presque Isle | 4 | 4 | - |
| Houghton | 1 | 1 | - | Saginaw | 14 | 14 | - |
| Huron | 2 | 2 | - | St. Clair | 10 | 10 | - |
| Ingham | 15 | 15 | - | St. Joseph | 5 | 5 | - |
| Ionia | 22 | 22 | - | Sanilac | 8 | 8 | - |
| Iosco | 4 | 4 | - | Schoolcraft | 8 | 8 | - |
| Iron | 2 | 2 | - | Shiawassee | 5 | 5 | - |
| Isabella | 4 | 4 | - | Tuscola | 9 | 9 | - |
| Jackson | 12 | 12 | - | Van Buren | 15 | 15 | - |
| Kalamazoo | 9 | 9 | - | Washtenaw | 13 | 13 | - |
| Kalkaska | 1 | 1 | - | Wayne | 7 | 7 | - |
| | | | | Wexford | 5 | 5 | - |

¹ Data were collected for a maximum of three operators per farm.

² Data represent American Indian or Alaska Native farm or ranch operators on reservations who did not report individually. Data obtained from reservation officials.

Table B. Selected Characteristics of Farms Operated by American Indians or Alaska Native Operators and For Total Farms: 2002

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

| Characteristics | American Indian or Alaska Native operated farms ¹ | Total farms | Percent of total | Characteristics | American Indian or Alaska Native operated farms ¹ | Total farms | Percent of total |
|--|--|-------------|------------------|--|--|-------------|------------------|
| FARMS AND LAND IN FARMS | | | | FARM PRODUCTION EXPENSES - Con. | | | |
| Farms | 451 | 53,315 | 0.8 | Selected farm production expenses - Con. | | | |
| Land in farms | 45,632 | 10,142,958 | 0.4 | Fertilizer, lime, and soil conditioners | \$1,000 518 | 241,158 | 0.2 |
| Estimated market value of land and buildings ² | \$1,000 222,690 | 27,143,604 | 0.8 | Gasoline, fuels, and oils | \$1,000 671 | 145,503 | 0.5 |
| Average per farm | dollars 420,963 | 509,299 | (X) | Hired farm labor | \$1,000 808 | 469,731 | 0.2 |
| Average per acre | dollars 1,111 | 1,261 | (X) | Interest expense | \$1,000 999 | 211,406 | 0.5 |
| Estimated market value of all machinery and equipment ² | \$1,000 24,364 | 3,761,334 | 0.6 | Chemicals | \$1,000 368 | 181,198 | 0.2 |
| Average per farm | dollars 47,962 | 73,910 | (X) | LIVESTOCK AND POULTRY | | | |
| Farms by size: | | | | Beef cows inventory | farms 75 | 8,144 | 0.9 |
| 1 to 9 acres | 45 | 3,235 | 1.4 | number 835 | | 117,564 | 0.7 |
| 10 to 49 acres | 204 | 18,663 | 1.1 | Milk cows inventory | farms 14 | 3,013 | 0.5 |
| 50 to 179 acres | 141 | 18,605 | 0.8 | number 742 | | 298,429 | 0.2 |
| 180 to 499 acres | 45 | 7,993 | 0.6 | Cattle and calves sold | farms 78 | 11,293 | 0.7 |
| 500 to 999 acres | 10 | 2,856 | 0.4 | number 998 | | 516,107 | 0.2 |
| 1,000 acres or more | 6 | 1,963 | 0.3 | Hogs and pigs inventory | farms 32 | 2,180 | 1.5 |
| Total cropland | farms 381 | 47,904 | 0.8 | number 485 | | 927,400 | 0.1 |
| acres 31,617 | | 7,983,574 | 0.4 | Hogs and pigs sold | farms 30 | 2,336 | 1.3 |
| Harvested cropland | farms 278 | 38,244 | 0.7 | number 547 | | 2,789,197 | (Z) |
| acres 24,251 | | 6,827,903 | 0.4 | Sheep and lambs inventory | farms 32 | 2,236 | 1.4 |
| Irrigated land | farms 42 | 4,413 | 1.0 | number 879 | | 88,541 | 1.0 |
| acres 1,061 | | 456,278 | 0.2 | Sheep and lambs sold | farms 18 | 1,377 | 1.3 |
| | | | | number 525 | | 67,556 | 0.8 |
| TENURE | | | | Horses and ponies inventory | farms 203 | 14,988 | 1.4 |
| Full owners | farms 340 | 37,089 | 0.9 | number 1,394 | | 104,949 | 1.3 |
| acres 21,233 | | 3,325,819 | 0.6 | Horses and ponies sold | farms 38 | 3,238 | 1.2 |
| Part owners | farms 96 | 14,199 | 0.7 | number 156 | | 11,615 | 1.3 |
| acres 23,743 | | 6,317,989 | 0.4 | Bison inventory | farms 5 | 162 | 3.1 |
| Tenants | farms 15 | 2,027 | 0.7 | number 176 | | 4,057 | 4.3 |
| acres 656 | | 499,150 | 0.1 | Bison sold | farms 3 | 60 | 5.0 |
| | | | | number 60 | | 764 | 7.9 |
| MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD | | | | Layers 20 weeks old and older inventory | farms 69 | 3,491 | 2.0 |
| Market value of agricultural products sold (see text) | \$1,000 8,942 | 3,772,435 | 0.2 | number 2,223 | | 7,308,261 | (Z) |
| Average per farm | dollars 19,828 | 70,757 | (X) | Broilers and other meat-type chickens sold | farms 21 | 659 | 3.2 |
| Crops, including nursery and greenhouse crops | \$1,000 6,410 | 2,362,628 | 0.3 | number (D) | | 4,027,972 | (D) |
| Livestock, poultry, and their products | \$1,000 2,533 | 1,409,807 | 0.2 | SELECTED CROPS HARVESTED | | | |
| FARMS BY ECONOMIC CLASS (SEE TEXT) | | | | Corn for grain | farms 57 | 13,613 | 0.4 |
| Less than \$1,000 | 172 | 17,442 | 1.0 | acres 4,862 | | 2,007,021 | 0.2 |
| \$1,000 to \$2,499 | 81 | 5,849 | 1.4 | bushels 590,054 | | 234,709,542 | 0.3 |
| \$2,500 to \$4,999 | 52 | 4,749 | 1.1 | acres 8 | | 3,362 | 0.2 |
| \$5,000 to \$9,999 | 42 | 5,107 | 0.8 | Wheat for grain, All | farms 21 | 6,581 | 0.3 |
| \$10,000 to \$24,999 | 34 | 6,429 | 0.5 | acres 1,383 | | 43,783 | 0.3 |
| \$25,000 to \$49,999 | 28 | 4,019 | 0.7 | bushels 100,485 | | 28,248,938 | 0.4 |
| \$50,000 to \$99,999 | 18 | 3,229 | 0.6 | Winter wheat for grain | farms 21 | 6,488 | 0.3 |
| \$100,000 or more | 24 | 6,491 | 0.4 | acres 1,383 | | 430,193 | 0.3 |
| | | | | bushels 100,485 | | 28,080,725 | 0.4 |
| OTHER FARM CHARACTERISTICS | | | | Durum wheat for grain | farms - | - | - |
| Farms reporting - | | | | acres - | | - | - |
| Computers for farm business | 200 | 20,937 | 1.0 | bushels - | | 116 | - |
| Internet access | 277 | 27,663 | 1.0 | acres - | | 3,590 | - |
| Farms by type of organization: | | | | bushels - | | 168,213 | - |
| Family or individual | 423 | 48,070 | 0.9 | Barley for grain | farms 3 | 400 | 0.8 |
| Partnership | 17 | 3,172 | 0.5 | acres (D) | | 11,620 | (D) |
| Corporation | 8 | 1,817 | 0.4 | bushels (D) | | 576,461 | (D) |
| Other-cooperative, estate or trust, institutional, etc | 3 | 256 | 1.2 | Oats for grain | farms 9 | 2,756 | 0.3 |
| FARM PRODUCTION EXPENSES | | | | acres 345 | | 63,485 | 0.5 |
| Total farm production expenses | \$1,000 11,040 | 3,333,716 | 0.3 | bushels 24,680 | | 3,994,940 | 0.6 |
| Selected farm production expenses: | | | | Sunflower seed, All | farms 2 | 91 | 2.2 |
| Livestock and poultry purchased | \$1,000 164 | 196,578 | 0.1 | acres (D) | | 2,275 | (D) |
| Feed purchased | \$1,000 681 | 390,264 | 0.2 | pounds (D) | | 3,381,523 | (D) |
| | | | | Soybeans for beans | farms 38 | 11,683 | 0.3 |
| | | | | acres 6,037 | | 2,055,424 | 0.3 |
| | | | | bushels 241,619 | | 78,197,248 | 0.3 |
| | | | | Forage - land used for all hay and haylage, grass silage, and greenchop (see text) | farms 182 | 22,067 | 0.8 |
| | | | | acres 8,837 | | 1,212,603 | 0.7 |
| | | | | tons, dry 20,269 | | 3,557,828 | 0.6 |

¹ Data were collected for a maximum of three operators per farm or ranch on places where operators would identify themselves as American Indian or Alaska Native.

² Data are based on a sample of farms.

Table C. Selected Operator Characteristics for American Indians or Alaska Natives and For Total Reporting: 2002

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

| Characteristics | American Indian or Alaska Native operators reporting ¹ | Total operators reporting ¹ | Characteristics | American Indian or Alaska Native operators reporting ¹ | Total operators reporting ¹ |
|----------------------------|---|--|--|---|--|
| Operators | 499 | 78,193 | Years on present farm: | | |
| | | | 2 years or less | 12 | 3,201 |
| Sex of operator: | | | 3 or 4 years | 44 | 5,731 |
| Male | 285 | 56,366 | 5 to 9 years | 144 | 14,259 |
| Female | 214 | 21,827 | 10 years or more | 299 | 55,002 |
| Primary occupation: | | | Age group: | | |
| Farming | 222 | 40,552 | Under 25 years | 11 | 1,739 |
| Other | 277 | 37,641 | 25 to 34 years | 35 | 5,207 |
| Place of residence: | | | 35 to 44 years | 105 | 16,864 |
| On farm operated | 444 | 66,592 | 45 to 54 years | 211 | 22,621 |
| Not on farm operated | 55 | 11,601 | 55 to 64 years | 94 | 17,308 |
| Days worked off farm: | | | 65 to 74 years | 32 | 9,544 |
| None | 167 | 33,711 | 75 years and over | 11 | 4,910 |
| Any | 332 | 44,482 | Average age of - | | |
| 1 to 49 days | 32 | 4,133 | All operators ¹ | 49.3 | 52.0 |
| 50 to 99 days | 18 | 2,521 | Principal operator | 51.8 | 54.2 |
| 100 to 199 days | 12 | 5,689 | Second operator | 47.0 | 48.4 |
| 200 days or more | 240 | 32,139 | Third operator | 38.4 | 40.6 |
| | | | Living on an American Indian reservation | 8 | 169 |

¹ Data were collected for a maximum of three operators per farm.