

**Table 49. Renewable Energy: 2017 and 2012**

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

| Item  | 2017 | 2012 | Item  | 2017 | 2012 |
|---|------|------|---|------|------|
| Renewable energy producing systems ..... farms        | 946  | 343  | Renewable energy producing systems - Con.           |      |      |
| Solar panels ..... farms                              | 687  | 247  | Small hydro systems ..... farms                     | 18   | 13   |
| Wind turbines ..... farms                             | 41   | 10   | Biodiesel production systems (see text) ..... farms | 36   | 36   |
| Methane digesters ..... farms                         | 10   | 1    | Ethanol production systems (see text) ..... farms   | 45   | 16   |
| Geothermal/geoexchange systems (see text) ..... farms | 118  | 50   | Other ..... farms                                   | 62   | 8    |
|   |      |      | Wind rights leased to others ..... farms            | 88   | 5    |

**Table 50. Institutional, Research, Experimental, and American Indian Reservation Farms: 2017 and 2012**

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

| Characteristics  | 2017      | 2012      | Characteristics  | 2017    | 2012    |
|--|-----------|-----------|--|---------|---------|
| Farms ..... number   | 80        | 102       | Market value of agricultural products sold (see text) - Con.                                 |         |         |
| Land in farms ..... acres  | 41,384    | 41,694    | Crops, including nursery and greenhouse crops ..... \$1,000                                  | 7,085   | 10,655  |
| Average size of farm ..... acres   | 517       | 409       | Livestock, poultry, and their products ..... \$1,000   | 10,183  | 12,780  |
| Estimated market value of land and buildings ..... \$1,000   | 220,998   | 165,470   | Total farm production expenses ..... \$1,000   | 20,450  | 26,628  |
| Average per farm ..... dollars   | 2,762,478 | 1,622,258 | Average per farm ..... dollars   | 255,624 | 261,056 |
| Average per acre ..... dollars   | 5,340     | 3,969     | Government payments <sup>1</sup> (see text) ..... farms                                      | 9       | 9       |
| Estimated market value of all machinery and equipment ..... \$1,000  | 22,678    | 15,284    | ..... \$1,000  | 137     | 84      |
| Land in farms according to use:  |           |           | Average per farm ..... dollars   | 15,230  | 9,369   |
| Total cropland ..... farms   | 51        | 80        | Total income from farm-related sources ..... farms   | 17      | 29      |
| ..... acres  | 13,670    | 14,431    | ..... \$1,000  | (D)     | 1,013   |
| Harvested cropland ..... farms   | 45        | 73        | Average per farm ..... dollars   | (D)     | 34,914  |
| ..... acres  | 8,984     | 10,699    | Tenure of producer (see text):   |         |         |
| Other pasture and grazing land that could have been used for crops without additional improvements ..... farms | 3         | 5         | Full owners ..... farms  | 73      | 91      |
| ..... acres  | (D)       | (D)       | Part owners ..... farms  | 3       | 2       |
| Other cropland ..... farms   | 20        | 13        | Tenants ..... farms  | 4       | 9       |
| ..... acres  | (D)       | (D)       | Farms by North American Industry Classification System:                                      |         |         |
| Total woodland ..... farms   | 34        | 40        | Oilseed and grain farming (1111) ..... farms   | 2       | 5       |
| ..... acres  | 16,359    | 13,891    | Vegetable and melon farming (1112) ..... farms   | 1       | 3       |
| Woodland pastured ..... farms  | 9         | 11        | Fruit and tree nut farming (1113) ..... farms  | 2       | 6       |
| ..... acres  | 3,034     | 1,614     | Greenhouse, nursery, and floriculture production (1114) ..... farms                          | 23      | 40      |
| Woodland not pastured ..... farms  | 31        | 34        | Other crop farming (1119) ..... farms  | 16      | 9       |
| ..... acres  | 13,325    | 12,277    | Tobacco farming (11191) ..... farms  | -       | -       |
| Permanent pasture and rangeland other than cropland and woodland pastured ..... farms                          | 24        | 28        | Cotton farming (11192) ..... farms   | -       | -       |
| ..... acres  | 5,834     | 6,899     | Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms | 16      | 9       |
| Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms           | 53        | 56        | Beef cattle ranching and farming (112111) ..... farms  | 11      | 14      |
| ..... acres  | 5,521     | 6,473     | Cattle feedlots (112112) ..... farms   | -       | -       |
| Irrigated land ..... farms   | 38        | 64        | Dairy cattle and milk production (11212) ..... farms   | 2       | 2       |
| ..... acres  | 3,594     | 5,414     | Hog and pig farming (1122) ..... farms   | 1       | 2       |
| Market value of agricultural products sold (see text) ..... \$1,000  | 17,268    | 23,435    | Poultry and egg production (1123) ..... farms  | 2       | 2       |
| Average per farm ..... dollars   | 215,854   | 229,756   | Sheep and goat farming (1124) ..... farms  | 1       | 2       |
|  |           |           | Aquaculture and other animal production (1125, 1129) (see text) ..... farms                  | 19      | 17      |

<sup>1</sup> Data for 2012 include loan deficiency payments, marketing loan gains, and net value of commodity certificates.