

**Table 49. Renewable Energy: 2022 and 2017**

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

Item	2022	2017	Item	2022	2017
Renewable energy producing systems (see text) ..... farms	1,656	1,435	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	1,602	1,333	Geothermal/geoexchange systems ..... farms	59	58
Wind turbines ..... farms	53	55	Small hydro systems ..... farms	-	-
Methane digesters ..... farms	8	6	Wind rights leased to others ..... farms	35	9

**Table 50. Institutional, Research, Experimental, and American Indian Reservation Farms: 2022 and 2017**

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

Characteristics	2022	2017	Characteristics	2022	2017
Farms ..... number	51	53	Market value of agricultural products sold - Con.		
Land in farms ..... acres	7,006	6,912	Crops, including nursery and greenhouse crops ..... \$1,000	2,832	2,005
Average size of farm ..... acres	137	130	Livestock, poultry, and their products ..... \$1,000	8,669	8,365
Estimated market value of land and buildings ..... \$1,000	98,348	75,893	Total farm production expenses <sup>1</sup> ..... \$1,000	12,801	10,319
Average per farm ..... dollars	1,928,397	1,431,950	Average per farm ..... dollars	251,001	194,705
Average per acre ..... dollars	14,038	10,980	Government payments ..... farms	-	4
Estimated market value of all machinery and equipment ..... \$1,000	7,402	5,950	Average per farm ..... \$1,000	-	19
Land in farms according to use:			Average per farm ..... dollars	-	4,781
Total cropland ..... farms	41	37	Total income from farm-related sources ..... farms	6	13
Harvested cropland ..... acres	1,547	1,923	Average per farm ..... \$1,000	119	312
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	12	6	Average per farm ..... dollars	19,855	24,012
Other cropland ..... acres	370	368	Tenure:		
Other cropland ..... acres	19	11	Full owners ..... farms	35	35
Total woodland ..... farms	31	21	Part owners ..... farms	6	9
Woodland pastured ..... farms	3,787	2,353	Tenants ..... farms	10	9
Woodland pastured ..... acres	8	7	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	355	161	Oilseed and grain farming (1111) ..... farms	-	-
Woodland not pastured ..... acres	28	17	Vegetable and melon farming (112) ..... farms	12	12
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	16	19	Fruit and tree nut farming (1113) ..... farms	2	7
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	553	491	Greenhouse, nursery, and floriculture production (1114) ..... farms	5	5
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	38	40	Other crop farming (1119) ..... farms	8	4
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	1,119	2,145	Tobacco farming (1191) ..... farms	-	-
Irrigated land ..... farms	16	23	Cotton farming (1192) ..... farms	-	-
Irrigated land ..... acres	245	140	Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	8	4
Market value of agricultural products sold ..... \$1,000	11,501	10,371	Beef cattle ranching and farming (11211) ..... farms	-	2
Average per farm ..... dollars	225,513	195,672	Cattle feedlots (11212) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	1	3
			Hog and pig farming (1122) ..... farms	2	-
			Poultry and egg production (1123) ..... farms	4	4
			Sheep and goat farming (1124) ..... farms	2	2
			Aquaculture and other animal production (1125, 1129) ..... farms	15	14

<sup>1</sup> Landlord production expenses are included within total farm production expenses.