

**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	835	772	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	699	555	Geothermal/geoexchange systems ..... farms	121	89
Wind turbines ..... farms	58	33	Small hydro systems ..... farms	71	13
Methane digesters ..... farms	23	5	Wind rights leased to others ..... farms	75	62

**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	49	57	Market value of agricultural products sold - Con.		
Land in farms ..... acres	53,675	32,675	Crops, including nursery and greenhouse crops ..... \$1,000	5,931	1,803
Average size of farm ..... acres	1,095	573	Livestock, poultry, and their products ..... \$1,000	4,915	2,675
Estimated market value of land and buildings ..... \$1,000	132,279	95,196	Total farm production expenses <sup>1</sup> ..... \$1,000	9,128	8,284
Average per farm ..... dollars	2,699,572	1,670,111	Average per farm ..... dollars	186,295	145,341
Average per acre ..... dollars	2,464	2,913	Government payments ..... farms	6	6
Estimated market value of all machinery and equipment ..... \$1,000	17,614	8,629	Average per farm ..... \$1,000	41	29
Land in farms according to use:			Average per farm ..... dollars	6,901	4,762
Total cropland ..... farms	36	32	Total income from farm-related sources ..... farms	11	18
Harvested cropland ..... acres	7,352	5,836	Average per farm ..... \$1,000	405	262
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	7	4	Average per farm ..... dollars	36,848	14,550
Other cropland ..... acres	1,853	488	Tenure:		
Other cropland ..... farms	10	8	Full owners ..... farms	39	49
Other cropland ..... acres	392	1,607	Part owners ..... farms	1	1
Total woodland ..... farms	27	29	Tenants ..... farms	9	7
Woodland pastured ..... acres	7,590	10,026	Farms by North American Industry Classification System:		
Woodland pastured ..... farms	9	11	Oilseed and grain farming (1111) ..... farms	4	2
Woodland not pastured ..... acres	539	8	Vegetable and melon farming (1112) ..... farms	3	4
Woodland not pastured ..... farms	23	26	Fruit and tree nut farming (1113) ..... farms	3	1
Woodland not pastured ..... acres	7,051	9,968	Greenhouse, nursery, and floriculture production (1114) ..... farms	7	6
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	19	25	Other crop farming (1119) ..... farms	13	18
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	4,681	3,608	Tobacco farming (1191) ..... farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	40	44	Cotton farming (1192) ..... farms	1	2
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	34,052	13,205	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	12	16
Irrigated land ..... farms	23	21	Beef cattle ranching and farming (11211) ..... farms	4	2
Irrigated land ..... acres	575	450	Cattle feedlots (11212) ..... farms	-	-
Market value of agricultural products sold ..... \$1,000	10,846	4,478	Dairy cattle and milk production (11212) ..... farms	1	1
Average per farm ..... dollars	221,345	78,569	Hog and pig farming (1122) ..... farms	1	3
			Poultry and egg production (1123) ..... farms	-	3
			Sheep and goat farming (1124) ..... farms	-	3
			Aquaculture and other animal production (1125, 1129) ..... farms	13	14

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