

**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	1,438	840	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	1,200	590	Geothermal/geoexchange systems ..... farms	256	209
Wind turbines ..... farms	24	23	Small hydro systems ..... farms	7	14
Methane digesters ..... farms	7	2	Wind rights leased to others ..... farms	55	58

**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	55	50	Market value of agricultural products sold - Con.		
Land in farms ..... acres	88,563	66,865	Crops, including nursery and greenhouse crops ..... \$1,000	18,920	12,721
Average size of farm ..... acres	1,610	1,337	Livestock, poultry, and their products ..... \$1,000	27,215	14,026
Estimated market value of land and buildings ..... \$1,000	270,648	211,430	Total farm production expenses <sup>1</sup> ..... \$1,000	43,463	25,428
Average per farm ..... dollars	4,920,871	4,228,600	Average per farm ..... dollars	790,230	508,561
Average per acre ..... dollars	3,056	3,162	Government payments ..... farms	7	13
Estimated market value of all machinery and equipment ..... \$1,000	28,614	27,267	Average per farm ..... \$1,000	373	644
Land in farms according to use:			Average per farm ..... dollars	53,323	49,509
Total cropland ..... farms	40	35	Total income from farm-related sources ..... farms	16	11
Harvested cropland ..... acres	39,173	30,211	Average per farm ..... \$1,000	415	269
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	4	4	Average per farm ..... dollars	25,922	24,474
Other cropland ..... acres	(D)	753	Tenure:		
Other cropland ..... farms	8	14	Full owners ..... farms	42	42
Other cropland ..... acres	(D)	5,748	Part owners ..... farms	9	6
Total woodland ..... farms	27	19	Tenants ..... farms	4	2
Woodland pastured ..... acres	30,645	19,602	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	6	3	Oilseed and grain farming (1111) ..... farms	14	12
Woodland not pastured ..... acres	6,596	81	Vegetable and melon farming (1112) ..... farms	3	1
Woodland not pastured ..... farms	24	18	Fruit and tree nut farming (1113) ..... farms	1	-
Woodland not pastured ..... acres	24,049	19,521	Greenhouse, nursery, and floriculture production (1114) ..... farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	24	22	Other crop farming (1119) ..... farms	6	5
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	10,918	11,729	Tobacco farming (1191) ..... farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	39	40	Cotton farming (1192) ..... farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	7,827	5,323	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	6	5
Irrigated land ..... farms	24	20	Beef cattle ranching and farming (112111) ..... farms	8	16
Irrigated land ..... acres	25,805	15,316	Cattle feedlots (112112) ..... farms	-	-
Market value of agricultural products sold ..... \$1,000	46,135	26,747	Dairy cattle and milk production (11212) ..... farms	-	-
Average per farm ..... dollars	838,823	534,932	Hog and pig farming (1122) ..... farms	4	1
			Poultry and egg production (1123) ..... farms	4	2
			Sheep and goat farming (1124) ..... farms	1	-
			Aquaculture and other animal production (1125, 1129) ..... farms	14	13

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