

**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	1,582	1,656	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	924	870	Geothermal/geoexchange systems ..... farms	410	540
Wind turbines ..... farms	331	330	Small hydro systems ..... farms	13	26
Methane digesters ..... farms	-	-	Wind rights leased to others ..... farms	560	490

**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	52	43	Market value of agricultural products sold - Con.		
Land in farms ..... acres	917,960	823,123	Crops, including nursery and greenhouse crops ..... \$1,000	7,105	4,063
Average size of farm ..... acres	17,653	19,142	Livestock, poultry, and their products ..... \$1,000	13,892	9,255
Estimated market value of land and buildings ..... \$1,000	1,099,953	801,806	Total farm production expenses <sup>1</sup> ..... \$1,000	20,119	11,516
Average per farm ..... dollars	21,152,943	18,646,662	Average per farm ..... dollars	386,902	267,826
Average per acre ..... dollars	1,198	974	Government payments ..... farms	8	10
Estimated market value of all machinery and equipment ..... \$1,000	26,060	21,013	Average per farm ..... \$1,000	(D)	284
Land in farms according to use:			Average per farm ..... dollars	(D)	28,403
Total cropland ..... farms	35	30	Total income from farm-related sources ..... farms	22	19
Harvested cropland ..... acres	41,443	34,539	Average per farm ..... \$1,000	1,956	994
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	11	6	Average per farm ..... dollars	88,915	52,342
Other cropland ..... acres	10,662	2,424	Tenure:		
Other cropland ..... acres	15	20	Full owners ..... farms	34	26
Total woodland ..... farms	10	4	Part owners ..... farms	18	16
Woodland pastured ..... farms	6	3	Tenants ..... farms	-	1
Woodland not pastured ..... farms	(D)	(D)	Farms by North American Industry Classification System:		
Woodland not pastured ..... acres	(D)	(D)	Oilseed and grain farming (1111) ..... farms	10	5
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	40	23	Vegetable and melon farming (112) ..... farms	2	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	33	23	Fruit and tree nut farming (1113) ..... farms	-	-
Irrigated land ..... farms	9	7	Greenhouse, nursery, and floriculture production (1114) ..... farms	2	3
Irrigated land ..... acres	481	921	Other crop farming (1119) ..... farms	-	8
Market value of agricultural products sold ..... \$1,000	20,997	13,318	Tobacco farming (1191) ..... farms	-	-
Average per farm ..... dollars	403,790	309,719	Cotton farming (1192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	-	8
			Beef cattle ranching and farming (112111) ..... farms	13	7
			Cattle feedlots (112112) ..... farms	3	2
			Dairy cattle and milk production (11212) ..... farms	-	2
			Hog and pig farming (1122) ..... farms	-	-
			Poultry and egg production (1123) ..... farms	-	-
			Sheep and goat farming (1124) ..... farms	1	1
			Aquaculture and other animal production (1125, 1129) ..... farms	21	15

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