

**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	4,247	3,591	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	2,063	1,107	Geothermal/geoexchange systems ..... farms	1,695	1,822
Wind turbines ..... farms	819	888	Small hydro systems ..... farms	24	11
Methane digesters ..... farms	15	9	Wind rights leased to others ..... farms	1,189	1,202

**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	85	63	Market value of agricultural products sold - Con.		
Land in farms ..... acres	106,825	73,031	Crops, including nursery and greenhouse crops ..... \$1,000	16,134	(D)
Average size of farm ..... acres	1,257	1,159	Livestock, poultry, and their products ..... \$1,000	22,007	(D)
Estimated market value of land and buildings ..... \$1,000	405,427	323,595	Total farm production expenses <sup>1</sup> ..... \$1,000	37,530	107,827
Average per farm ..... dollars	4,769,728	5,136,422	Average per farm ..... dollars	441,530	1,711,545
Average per acre ..... dollars	3,795	4,431	Government payments ..... farms	4	22
Estimated market value of all machinery and equipment ..... \$1,000	24,559	26,609	Average per farm ..... \$1,000	304	378
Land in farms according to use:			Average per farm ..... dollars	75,995	17,171
Total cropland ..... farms	39	43	Total income from farm-related sources ..... farms	11	28
Harvested cropland ..... acres	39,074	54,120	Average per farm ..... \$1,000	835	1,574
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	2	3	Average per farm ..... dollars	75,871	56,210
Other cropland ..... acres	(D)	(D)	Tenure:		
Other cropland ..... farms	10	21	Full owners ..... farms	66	48
Other cropland ..... acres	(D)	(D)	Part owners ..... farms	16	12
Total woodland ..... farms	12	12	Tenants ..... farms	3	3
Woodland pastured ..... farms	4	2	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	11	11	Oilseed and grain farming (1111) ..... farms	19	22
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	13	11	Vegetable and melon farming (112) ..... farms	1	1
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	74	50	Fruit and tree nut farming (1113) ..... farms	3	1
Irrigated land ..... farms	18	17	Greenhouse, nursery, and floriculture production (1114) ..... farms	-	-
Market value of agricultural products sold ..... \$1,000	38,141	119,483	Other crop farming (1119) ..... farms	9	8
Average per farm ..... dollars	448,715	1,896,555	Tobacco farming (1191) ..... farms	-	-
			Cotton farming (11192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	9	8
			Beef cattle ranching and farming (112111) ..... farms	-	1
			Cattle feedlots (112112) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	2	3
			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	50	26

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