

**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	3,357	2,730	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	2,397	1,778	Geothermal/geoexchange systems ..... farms	719	759
Wind turbines ..... farms	449	363	Small hydro systems ..... farms	24	11
Methane digesters ..... farms	-	2	Wind rights leased to others ..... farms	824	800

**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	97	93	Market value of agricultural products sold - Con.		
Land in farms ..... acres	270,311	272,480	Crops, including nursery and greenhouse crops ..... \$1,000	15,990	10,603
Average size of farm ..... acres	2,787	2,930	Livestock, poultry, and their products ..... \$1,000	34,798	20,384
Estimated market value of land and buildings ..... \$1,000	507,067	494,771	Total farm production expenses <sup>1</sup> ..... \$1,000	40,820	35,170
Average per farm ..... dollars	5,227,494	5,320,116	Average per farm ..... dollars	420,820	378,175
Average per acre ..... dollars	1,876	1,816	Government payments ..... farms	14	39
Estimated market value of all machinery and equipment ..... \$1,000	24,939	27,010	Average per farm ..... \$1,000	329	984
Land in farms according to use:			Average per farm ..... dollars	23,508	25,235
Total cropland ..... farms	69	65	Total income from farm-related sources ..... farms	31	42
Harvested cropland ..... farms	30,250	31,922	Average per farm ..... \$1,000	2,986	3,014
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	6	55	Tenure:		
Other cropland ..... farms	21,724	23,634	Full owners ..... farms	77	72
Woodland ..... farms	19	19	Part owners ..... farms	14	16
Woodland pastured ..... farms	5,433	9,837	Tenants ..... farms	6	5
Woodland not pastured ..... farms	4	6	Farms by North American Industry Classification System:		
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	46	45	Oilseed and grain farming (1111) ..... farms	29	28
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	49	60	Vegetable and melon farming (1112) ..... farms	4	-
Irrigated land ..... farms	29	22	Fruit and tree nut farming (1113) ..... farms	1	-
Market value of agricultural products sold ..... \$1,000	50,788	30,987	Greenhouse, nursery, and floriculture production (1114) ..... farms	5	2
Average per farm ..... dollars	523,583	333,197	Other crop farming (1119) ..... farms	13	21
			Tobacco farming (1191) ..... farms	-	-
			Cotton farming (1192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	13	21
			Beef cattle ranching and farming (112111) ..... farms	15	11
			Cattle feedlots (112112) ..... farms	3	3
			Dairy cattle and milk production (11212) ..... farms	-	1
			Hog and pig farming (1122) ..... farms	2	3
			Poultry and egg production (1123) ..... farms	-	4
			Sheep and goat farming (1124) ..... farms	3	-
			Aquaculture and other animal production (1125, 1129) ..... farms	22	20

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