

**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	2,645	2,215	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	2,326	1,831	Geothermal/geoexchange systems ..... farms	161	206
Wind turbines ..... farms	209	207	Small hydro systems ..... farms	63	58
Methane digesters ..... farms	21	10	Wind rights leased to others ..... farms	145	158

**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	253	234	Market value of agricultural products sold - Con.		
Land in farms ..... acres	2,365,438	2,850,896	Crops, including nursery and greenhouse crops ..... \$1,000	17,058	9,318
Average size of farm ..... acres	9,350	12,183	Livestock, poultry, and their products ..... \$1,000	88,735	53,939
Estimated market value of land and buildings ..... \$1,000	1,750,666	1,798,865	Total farm production expenses <sup>1</sup> ..... \$1,000	121,884	61,397
Average per farm ..... dollars	6,919,629	7,687,455	Average per farm ..... dollars	481,753	262,382
Average per acre ..... dollars	740	631	Government payments ..... farms	7	17
Estimated market value of all machinery and equipment ..... \$1,000	43,793	39,081	Average per farm ..... \$1,000	509	343
Land in farms according to use:			Average per farm ..... dollars	72,680	20,170
Total cropland ..... farms	65	63	Total income from farm-related sources ..... farms	90	130
Harvested cropland ..... farms	55	47	Average per farm ..... \$1,000	10,588	14,467
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	3	(D)	Tenure:		
Other cropland ..... farms	33	(D)	Full owners ..... farms	193	190
Woodland ..... farms	21	22	Part owners ..... farms	41	30
Woodland pastured ..... farms	7	9	Tenants ..... farms	19	14
Woodland not pastured ..... farms	19	18	Farms by North American Industry Classification System:		
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	27	23	Oilseed and grain farming (1111) ..... farms	9	8
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	224	208	Vegetable and melon farming (1112) ..... farms	4	8
Irrigated land ..... farms	47	41	Fruit and tree nut farming (1113) ..... farms	21	11
Market value of agricultural products sold ..... \$1,000	105,793	63,257	Greenhouse, nursery, and floriculture production (1114) ..... farms	9	11
Average per farm ..... dollars	418,155	270,328	Other crop farming (1119) ..... farms	15	22
			Tobacco farming (1191) ..... farms	-	-
			Cotton farming (1192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	15	22
			Beef cattle ranching and farming (11211) ..... farms	6	3
			Cattle feedlots (11212) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	1	1
			Hog and pig farming (1122) ..... farms	2	-
			Poultry and egg production (1123) ..... farms	4	1
			Sheep and goat farming (1124) ..... farms	-	-
			Aquaculture and other animal production (1125, 1129) ..... farms	182	169

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