

**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	4,960	4,609	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	4,294	3,768	Geothermal/geoexchange systems ..... farms	383	438
Wind turbines ..... farms	573	627	Small hydro systems ..... farms	99	78
Methane digesters ..... farms	17	3	Wind rights leased to others ..... farms	1,123	626

**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	180	180	Market value of agricultural products sold - Con.		
Land in farms ..... acres	1,124,565	1,136,825	Crops, including nursery and greenhouse crops ..... \$1,000	17,034	11,960
Average size of farm ..... acres	6,248	6,316	Livestock, poultry, and their products ..... \$1,000	23,763	26,177
Estimated market value of land and buildings ..... \$1,000	816,514	637,629	Total farm production expenses <sup>1</sup> ..... \$1,000	39,922	40,638
Average per farm ..... dollars	4,536,188	3,542,384	Average per farm ..... dollars	221,791	225,768
Average per acre ..... dollars	726	561	Government payments ..... farms	10	12
Estimated market value of all machinery and equipment ..... \$1,000	42,788	33,387	Average per farm ..... \$1,000	487	291
Land in farms according to use:			Average per farm ..... dollars	48,695	24,249
Total cropland ..... farms	79	82	Total income from farm-related sources ..... farms	51	55
Harvested cropland ..... acres	39,875	43,102	Average per farm ..... \$1,000	3,885	4,847
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	14	11	Average per farm ..... dollars	76,173	88,130
Other cropland ..... acres	3,318	1,512	Tenure:		
Other cropland ..... farms	36	72	Full owners ..... farms	141	142
Other cropland ..... acres	11,904	24,938	Part owners ..... farms	28	20
Total woodland ..... farms	24	19	Tenants ..... farms	11	18
Woodland pastured ..... acres	93,350	(D)	Farms by North American Industry Classification System:		
Woodland not pastured ..... acres	(D)	5,090	Oilseed and grain farming (1111) ..... farms	18	16
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	108	102	Vegetable and melon farming (112) ..... farms	3	3
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	104	109	Fruit and tree nut farming (1113) ..... farms	2	2
Irrigated land ..... farms	55	66	Greenhouse, nursery, and floriculture production (1114) ..... farms	7	9
Market value of agricultural products sold ..... \$1,000	40,797	38,137	Other crop farming (1119) ..... farms	35	32
Average per farm ..... dollars	226,651	211,872	Tobacco farming (1191) ..... farms	-	-
			Cotton farming (1192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	35	32
			Beef cattle ranching and farming (112111) ..... farms	17	16
			Cattle feedlots (112112) ..... farms	2	3
			Dairy cattle and milk production (11212) ..... farms	1	3
			Hog and pig farming (1122) ..... farms	5	1
			Poultry and egg production (1123) ..... farms	-	2
			Sheep and goat farming (1124) ..... farms	4	2
			Aquaculture and other animal production (1125, 1129) ..... farms	86	91

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