

**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	1,396	1,193	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	1,148	894	Geothermal/geoexchange systems ..... farms	344	294
Wind turbines ..... farms	26	43	Small hydro systems ..... farms	-	12
Methane digesters ..... farms	14	6	Wind rights leased to others ..... farms	30	24

**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	34	31	Market value of agricultural products sold - Con.		
Land in farms ..... acres	8,172	14,631	Crops, including nursery and greenhouse crops ..... \$1,000	4,562	2,902
Average size of farm ..... acres	240	472	Livestock, poultry, and their products ..... \$1,000	5,511	9,596
Estimated market value of land and buildings ..... \$1,000	84,028	103,889	Total farm production expenses <sup>1</sup> ..... \$1,000	9,235	10,047
Average per farm ..... dollars	2,471,415	3,351,263	Average per farm ..... dollars	271,609	324,104
Average per acre ..... dollars	10,282	7,101	Government payments ..... farms	1	3
Estimated market value of all machinery and equipment ..... \$1,000	9,752	8,815	Average per farm ..... \$1,000	(D)	(D)
Land in farms according to use:			Average per farm ..... dollars	(D)	(D)
Total cropland ..... farms	18	22	Total income from farm-related sources ..... farms	13	12
Harvested cropland ..... farms	3,834	4,308	Average per farm ..... \$1,000	1,785	255
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	-	-	Average per farm ..... dollars	137,283	21,276
Other cropland ..... farms	4	6	Tenure:		
Woodland ..... farms	19	20	Full owners ..... farms	28	23
Woodland pastured ..... farms	2,653	6,056	Part owners ..... farms	5	6
Woodland not pastured ..... farms	-	2	Tenants ..... farms	1	2
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	8	13	Farms by North American Industry Classification System:		
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	30	28	Oilseed and grain farming (1111) ..... farms	8	7
Irrigated land ..... farms	13	13	Vegetable and melon farming (1112) ..... farms	2	2
Market value of agricultural products sold ..... \$1,000	10,073	12,498	Fruit and tree nut farming (1113) ..... farms	1	1
Average per farm ..... dollars	296,262	403,166	Greenhouse, nursery, and floriculture production (1114) ..... farms	4	5
			Other crop farming (1119) ..... farms	4	4
			Tobacco farming (1191) ..... farms	-	-
			Cotton farming (1192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	4	4
			Beef cattle ranching and farming (11211) ..... farms	1	2
			Cattle feedlots (11212) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	1	1
			Hog and pig farming (1122) ..... farms	-	-
			Poultry and egg production (1123) ..... farms	1	-
			Sheep and goat farming (1124) ..... farms	-	2
			Aquaculture and other animal production (1125, 1129) ..... farms	12	7

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