

**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	203	131	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	196	108	Geothermal/geoexchange systems ..... farms	7	3
Wind turbines ..... farms	10	5	Small hydro systems ..... farms	-	3
Methane digesters ..... farms	-	-	Wind rights leased to others ..... farms	9	2

**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	10	15	Market value of agricultural products sold - Con.		
Land in farms ..... acres	10,788	3,724	Crops, including nursery and greenhouse crops ..... \$1,000	(D)	(D)
Average size of farm ..... acres	1,079	248	Livestock, poultry, and their products ..... \$1,000	(D)	(D)
Estimated market value of land and buildings ..... \$1,000	179,236	64,454	Total farm production expenses <sup>1</sup> ..... \$1,000	2,201	4,935
Average per farm ..... dollars	17,923,574	4,296,923	Average per farm ..... dollars	220,135	329,016
Average per acre ..... dollars	16,614	17,308	Government payments ..... farms	2	1
Estimated market value of all machinery and equipment ..... \$1,000	1,573	3,008	Average per farm ..... \$1,000	(D)	(D)
Land in farms according to use:			Average per farm ..... dollars	(D)	(D)
Total cropland ..... farms	6	10	Total income from farm-related sources ..... farms	4	7
Harvested cropland ..... acres	(D)	652	Average per farm ..... \$1,000	(D)	225
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	2	2	Tenure:		
Other cropland ..... acres	(D)	(D)	Full owners ..... farms	7	10
Total woodland ..... farms	5	8	Part owners ..... farms	1	1
Woodland pastured ..... acres	(D)	8	Tenants ..... farms	2	4
Woodland not pastured ..... farms	4	7	Farms by North American Industry Classification System:		
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	-	2	Oilseed and grain farming (1111) ..... farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	8	14	Vegetable and melon farming (1112) ..... farms	1	2
Irrigated land ..... acres	(D)	(D)	Fruit and tree nut farming (1113) ..... farms	-	-
Market value of agricultural products sold ..... \$1,000	3,440	7,005	Greenhouse, nursery, and floriculture production (1114) ..... farms	1	2
Average per farm ..... dollars	343,953	467,008	Other crop farming (1119) ..... farms	3	4
			Tobacco farming (1191) ..... farms	-	-
			Cotton farming (1192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	3	4
			Beef cattle ranching and farming (11211) ..... farms	1	1
			Cattle feedlots (11212) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	-	-
			Hog and pig farming (1122) ..... farms	-	-
			Poultry and egg production (1123) ..... farms	-	-
			Sheep and goat farming (1124) ..... farms	-	-
			Aquaculture and other animal production (1125, 1129) ..... farms	4	6

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