

**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	197	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	166	114	Geothermal/geoexchange systems ..... farms	41	62
Wind turbines ..... farms	-	5	Small hydro systems ..... farms	-	4
Methane digesters ..... farms	1	7	Wind rights leased to others ..... farms	8	4

**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	12	15	Market value of agricultural products sold - Con.		
Land in farms ..... acres	2,638	3,541	Crops, including nursery and greenhouse crops ..... \$1,000	(D)	(D)
Average size of farm ..... acres	220	236	Livestock, poultry, and their products ..... \$1,000	(D)	(D)
Estimated market value of land and buildings ..... \$1,000	33,168	27,351	Total farm production expenses <sup>1</sup> ..... \$1,000	2,079	1,676
Average per farm ..... dollars	2,763,990	1,823,416	Average per farm ..... dollars	173,286	111,741
Average per acre ..... dollars	12,573	7,724	Government payments ..... farms	1	2
Estimated market value of all machinery and equipment ..... \$1,000	(D)	1,093	Average per farm ..... \$1,000	(D)	(D)
Land in farms according to use:			Average per farm ..... dollars	(D)	(D)
Total cropland ..... farms	11	12	Total income from farm-related sources ..... farms	3	4
Harvested cropland ..... acres	1,107	1,109	Average per farm ..... \$1,000	187	(D)
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	2	2	Average per farm ..... dollars	62,240	(D)
Other cropland ..... acres	(D)	(D)	Tenure:		
Other cropland ..... farms	2	6	Full owners ..... farms	11	14
Other cropland ..... acres	(D)	(D)	Part owners ..... farms	1	1
Total woodland ..... farms	4	4	Tenants ..... farms	-	-
Woodland pastured ..... acres	391	(D)	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	1	1	Oilseed and grain farming (1111) ..... farms	5	3
Woodland not pastured ..... acres	(D)	(D)	Vegetable and melon farming (1112) ..... farms	2	4
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	2	1	Fruit and tree nut farming (1113) ..... farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	(D)	(D)	Greenhouse, nursery, and floriculture production (1114) ..... farms	2	1
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	11	6	Other crop farming (1119) ..... farms	-	4
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	(D)	(D)	Tobacco farming (1191) ..... farms	-	-
Irrigated land ..... farms	11	10	Cotton farming (1192) ..... farms	-	-
Irrigated land ..... acres	87	140	Sugarcane farming, hay farming, and all other crop farming (1193, 1194, 1199) ..... farms	-	4
Market value of agricultural products sold ..... \$1,000	1,871	1,647	Beef cattle ranching and farming (11211) ..... farms	-	2
Average per farm ..... dollars	155,885	109,824	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	-	-
			Sheep and goat farming (1124) ..... farms	-	-
			Aquaculture and other animal production (1125, 1129) ..... farms	2	-

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