

**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	987	925	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	811	642	Geothermal/geoexchange systems ..... farms	135	156
Wind turbines ..... farms	76	73	Small hydro systems ..... farms	37	40
Methane digesters ..... farms	5	15	Wind rights leased to others ..... farms	39	46

**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	54	66	Market value of agricultural products sold - Con.		
Land in farms ..... acres	13,763	15,781	Crops, including nursery and greenhouse crops ..... \$1,000	4,866	1,448
Average size of farm ..... acres	255	239	Livestock, poultry, and their products ..... \$1,000	5,746	5,118
Estimated market value of land and buildings ..... \$1,000	48,375	34,617	Total farm production expenses <sup>1</sup> ..... \$1,000	8,577	6,571
Average per farm ..... dollars	895,838	524,502	Average per farm ..... dollars	158,828	99,557
Average per acre ..... dollars	3,515	2,194	Government payments ..... farms	-	7
Estimated market value of all machinery and equipment ..... \$1,000	5,090	7,520	Average per farm ..... \$1,000	-	38
Land in farms according to use:			Average per farm ..... dollars	-	5,432
Total cropland ..... farms	37	53	Total income from farm-related sources ..... farms	24	14
Harvested cropland ..... acres	4,387	5,170	Average per farm ..... \$1,000	446	293
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	2	5	Average per farm ..... dollars	18,594	20,937
Other cropland ..... acres	(D)	1,013	Tenure:		
Other cropland ..... farms	4	12	Full owners ..... farms	50	61
Other cropland ..... acres	(D)	705	Part owners ..... farms	4	4
Total woodland ..... farms	19	28	Tenants ..... farms	-	1
Woodland pastured ..... acres	4,191	5,923	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	3	8	Oilseed and grain farming (1111) ..... farms	-	-
Woodland not pastured ..... acres	336	819	Vegetable and melon farming (112) ..... farms	4	3
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	20	21	Fruit and tree nut farming (1113) ..... farms	3	2
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	3,782	3,592	Greenhouse, nursery, and floriculture production (1114) ..... farms	15	26
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	42	45	Other crop farming (1119) ..... farms	4	6
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	1,403	1,096	Tobacco farming (1191) ..... farms	-	-
Irrigated land ..... farms	22	29	Cotton farming (1192) ..... farms	-	-
Irrigated land ..... acres	87	88	Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	4	6
Market value of agricultural products sold ..... \$1,000	10,611	6,566	Beef cattle ranching and farming (112111) ..... farms	8	10
Average per farm ..... dollars	196,507	99,487	Cattle feedlots (112112) ..... farms	1	1
			Dairy cattle and milk production (11212) ..... farms	2	4
			Hog and pig farming (1122) ..... farms	-	-
			Poultry and egg production (1123) ..... farms	-	-
			Sheep and goat farming (1124) ..... farms	-	1
			Aquaculture and other animal production (1125, 1129) ..... farms	17	13

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