

**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	2,259	2,474	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	2,247	2,356	Geothermal/geoexchange systems ..... farms	2	6
Wind turbines ..... farms	54	90	Small hydro systems ..... farms	27	24
Methane digesters ..... farms	-	2	Wind rights leased to others ..... farms	20	7

**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	57	67	Market value of agricultural products sold - Con.		
Land in farms ..... acres	10,315	10,894	Crops, including nursery and greenhouse crops ..... \$1,000	(D)	46,056
Average size of farm ..... acres	181	163	Livestock, poultry, and their products ..... \$1,000	(D)	1,359
Estimated market value of land and buildings ..... \$1,000	226,318	247,296	Total farm production expenses <sup>1</sup> ..... \$1,000	52,651	71,111
Average per farm ..... dollars	3,970,499	3,690,987	Average per farm ..... dollars	923,708	1,061,363
Average per acre ..... dollars	21,941	22,700	Government payments ..... farms	3	3
Estimated market value of all machinery and equipment ..... \$1,000	10,551	13,866	Average per farm ..... \$1,000	1	167
Land in farms according to use:			Average per farm ..... dollars	228	55,571
Total cropland ..... farms	48	56	Total income from farm-related sources ..... farms	12	18
Harvested cropland ..... acres	6,957	6,846	Average per farm ..... \$1,000	575	126
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	2	3	Average per farm ..... dollars	47,900	7,018
Other cropland ..... farms	(D)	1,622	Tenure:		
Other cropland ..... acres	13	32	Full owners ..... farms	34	39
Other cropland ..... acres	6,019	5,218	Part owners ..... farms	2	10
Total woodland ..... farms	10	16	Tenants ..... farms	21	18
Woodland pastured ..... farms	3	3	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	110	15	Oilseed and grain farming (1111) ..... farms	3	5
Woodland not pastured ..... acres	394	(D)	Vegetable and melon farming (1112) ..... farms	16	11
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	11	11	Fruit and tree nut farming (1113) ..... farms	12	19
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	1,458	1,312	Greenhouse, nursery, and floriculture production (1114) ..... farms	13	5
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	37	40	Other crop farming (1119) ..... farms	3	16
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	1,396	2,259	Tobacco farming (11191) ..... farms	-	-
Irrigated land ..... farms	34	20	Cotton farming (11192) ..... farms	-	-
Irrigated land ..... acres	416	1,545	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	3	16
Market value of agricultural products sold ..... \$1,000	55,273	47,415	Beef cattle ranching and farming (11211) ..... farms	1	2
Average per farm ..... dollars	969,705	707,689	Cattle feedlots (11212) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	-	-
			Hog and pig farming (1122) ..... farms	-	3
			Poultry and egg production (1123) ..... farms	-	-
			Sheep and goat farming (1124) ..... farms	3	3
			Aquaculture and other animal production (1125, 1129) ..... farms	6	3

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