

**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	872	666	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	812	583	Geothermal/geoexchange systems ..... farms	71	63
Wind turbines ..... farms	5	24	Small hydro systems ..... farms	6	5
Methane digesters ..... farms	4	2	Wind rights leased to others ..... farms	5	10

**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	43	44	Market value of agricultural products sold - Con.		
Land in farms ..... acres	6,410	7,212	Crops, including nursery and greenhouse crops ..... \$1,000	486	444
Average size of farm ..... acres	149	164	Livestock, poultry, and their products ..... \$1,000	10,377	4,467
Estimated market value of land and buildings ..... \$1,000	87,122	55,109	Total farm production expenses <sup>1</sup> ..... \$1,000	9,979	7,582
Average per farm ..... dollars	2,026,086	1,252,474	Average per farm ..... dollars	232,079	172,322
Average per acre ..... dollars	13,592	7,641	Government payments ..... farms	-	1
Estimated market value of all machinery and equipment ..... \$1,000	4,228	3,718	Average per farm ..... \$1,000	-	(D)
Land in farms according to use:			Average per farm ..... dollars	-	(D)
Total cropland ..... farms	34	23	Total income from farm-related sources ..... farms	12	10
Harvested cropland ..... acres	1,489	968	Average per farm ..... \$1,000	1,611	156
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	1	5	Average per farm ..... dollars	134,240	15,612
Other cropland ..... acres	(D)	439	Tenure:		
Other cropland ..... farms	8	7	Full owners ..... farms	38	38
Other cropland ..... acres	329	16	Part owners ..... farms	1	1
Total woodland ..... farms	16	17	Tenants ..... farms	4	5
Woodland pastured ..... acres	1,657	3,941	Farms by North American Industry Classification System:		
Woodland not pastured ..... acres	(D)	259	Oilseed and grain farming (1111) ..... farms	2	-
Woodland not pastured ..... acres	(D)	3,682	Vegetable and melon farming (112) ..... farms	6	4
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	14	11	Fruit and tree nut farming (1113) ..... farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	568	583	Greenhouse, nursery, and floriculture production (1114) ..... farms	14	12
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	28	28	Other crop farming (1119) ..... farms	9	9
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	2,696	1,720	Tobacco farming (1191) ..... farms	-	-
Irrigated land ..... farms	21	12	Cotton farming (1192) ..... farms	-	-
Irrigated land ..... acres	22	14	Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	9	9
Market value of agricultural products sold ..... \$1,000	10,863	4,911	Beef cattle ranching and farming (11211) ..... farms	-	-
Average per farm ..... dollars	252,624	111,617	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	1
			Sheep and goat farming (1124) ..... farms	3	4
			Aquaculture and other animal production (1125, 1129) ..... farms	7	13

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