

**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	1,516	1,320	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	1,461	1,137	Geothermal/geoexchange systems ..... farms	34	21
Wind turbines ..... farms	72	89	Small hydro systems ..... farms	-	5
Methane digesters ..... farms	17	28	Wind rights leased to others ..... farms	20	12

**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	39	44	Market value of agricultural products sold - Con.		
Land in farms ..... acres	7,711	8,243	Crops, including nursery and greenhouse crops ..... \$1,000	829	406
Average size of farm ..... acres	198	187	Livestock, poultry, and their products ..... \$1,000	2,978	2,235
Estimated market value of land and buildings ..... \$1,000	38,865	36,661	Total farm production expenses <sup>1</sup> ..... \$1,000	6,930	4,144
Average per farm ..... dollars	996,544	833,198	Average per farm ..... dollars	177,681	94,171
Average per acre ..... dollars	5,040	4,447	Government payments ..... farms	5	2
Estimated market value of all machinery and equipment ..... \$1,000	6,960	4,709	Average per farm ..... \$1,000	4	(D)
Land in farms according to use:			Average per farm ..... dollars	880	(D)
Total cropland ..... farms	28	32	Total income from farm-related sources ..... farms	5	9
Harvested cropland ..... farms	1,758	1,706	Average per farm ..... \$1,000	533	205
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	5	6	Average per farm ..... dollars	106,676	22,756
Other cropland ..... farms	274	(D)	Tenure:		
Other cropland ..... acres	12	11	Full owners ..... farms	32	35
Other cropland ..... acres	475	(D)	Part owners ..... farms	5	7
Total woodland ..... farms	29	29	Tenants ..... farms	2	2
Woodland pastured ..... farms	4,602	4,664	Farms by North American Industry Classification System:		
Woodland pastured ..... acres	7	10	Oilseed and grain farming (1111) ..... farms	-	-
Woodland not pastured ..... farms	274	287	Vegetable and melon farming (112) ..... farms	2	2
Woodland not pastured ..... acres	26	26	Fruit and tree nut farming (1113) ..... farms	2	2
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	15	18	Greenhouse, nursery, and floriculture production (1114) ..... farms	5	7
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	350	656	Other crop farming (1119) ..... farms	5	10
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	37	37	Tobacco farming (1191) ..... farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	1,001	1,217	Cotton farming (1192) ..... farms	-	-
Irrigated land ..... farms	7	7	Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	5	10
Irrigated land ..... acres	147	19	Beef cattle ranching and farming (11211) ..... farms	-	-
Market value of agricultural products sold ..... \$1,000	3,807	2,641	Cattle feedlots (11212) ..... farms	-	-
Average per farm ..... dollars	97,613	60,020	Dairy cattle and milk production (11212) ..... farms	3	3
			Hog and pig farming (1122) ..... farms	-	-
			Poultry and egg production (1123) ..... farms	-	-
			Sheep and goat farming (1124) ..... farms	3	1
			Aquaculture and other animal production (1125, 1129) ..... farms	19	19

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