

**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	2,431	2,041	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	2,273	1,662	Geothermal/geoexchange systems ..... farms	118	80
Wind turbines ..... farms	53	101	Small hydro systems ..... farms	110	50
Methane digesters ..... farms	30	21	Wind rights leased to others ..... farms	61	80

**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	170	164	Market value of agricultural products sold - Con.		
Land in farms ..... acres	407,324	433,776	Crops, including nursery and greenhouse crops ..... \$1,000	24,543	20,166
Average size of farm ..... acres	2,396	2,645	Livestock, poultry, and their products ..... \$1,000	53,605	34,292
Estimated market value of land and buildings ..... \$1,000	1,899,947	2,182,491	Total farm production expenses <sup>1</sup> ..... \$1,000	97,743	57,593
Average per farm ..... dollars	11,176,157	13,307,872	Average per farm ..... dollars	574,958	351,177
Average per acre ..... dollars	4,664	5,031	Government payments ..... farms	-	3
Estimated market value of all machinery and equipment ..... \$1,000	24,842	30,508	Average per farm ..... \$1,000	-	(D)
Land in farms according to use:			Average per farm ..... dollars	-	(D)
Total cropland ..... farms	111	99	Total income from farm-related sources ..... farms	38	48
Harvested cropland ..... acres	27,381	16,481	Average per farm ..... \$1,000	426	1,478
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	9	17	Average per farm ..... dollars	11,201	30,784
Improvements ..... acres	(D)	2,654	Tenure:		
Other cropland ..... farms	33	23	Full owners ..... farms	139	143
Acres ..... acres	(D)	2,972	Part owners ..... farms	15	14
Total woodland ..... farms	43	47	Tenants ..... farms	16	7
Woodland pastured ..... acres	51,480	160,221	Farms by North American Industry Classification System:		
Woodland not pastured ..... acres	27,295	81,241	Oilseed and grain farming (1111) ..... farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	95	94	Vegetable and melon farming (1112) ..... farms	19	10
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	103	97	Fruit and tree nut farming (1113) ..... farms	21	25
Irrigated land ..... acres	55,122	46,744	Greenhouse, nursery, and floriculture production (1114) ..... farms	28	21
Market value of agricultural products sold ..... \$1,000	78,149	54,458	Other crop farming (1119) ..... farms	22	13
Average per farm ..... dollars	459,697	332,063	Tobacco farming (1191) ..... farms	-	-
			Cotton farming (1192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	22	13
			Beef cattle ranching and farming (112111) ..... farms	41	50
			Cattle feedlots (112112) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	-	-
			Hog and pig farming (1122) ..... farms	11	6
			Poultry and egg production (1123) ..... farms	2	2
			Sheep and goat farming (1124) ..... farms	2	4
			Aquaculture and other animal production (1125, 1129) ..... farms	24	33

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