

**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	919	944	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	896	872	Geothermal/geoexchange systems ..... farms	11	40
Wind turbines ..... farms	9	10	Small hydro systems ..... farms	27	19
Methane digesters ..... farms	-	-	Wind rights leased to others ..... farms	43	68

**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	60	45	Market value of agricultural products sold - Con.		
Land in farms ..... acres	65,574	42,396	Crops, including nursery and greenhouse crops ..... \$1,000	6,034	5,527
Average size of farm ..... acres	1,093	942	Livestock, poultry, and their products ..... \$1,000	8,133	6,653
Estimated market value of land and buildings ..... \$1,000	217,456	94,904	Total farm production expenses <sup>1</sup> ..... \$1,000	14,855	10,176
Average per farm ..... dollars	3,624,270	2,108,987	Average per farm ..... dollars	247,586	226,133
Average per acre ..... dollars	3,316	2,239	Government payments ..... farms	1	2
Estimated market value of all machinery and equipment ..... \$1,000	19,014	15,061	Average per farm ..... \$1,000	(D)	(D)
Land in farms according to use:			Average per farm ..... dollars	(D)	(D)
Total cropland ..... farms	55	36	Total income from farm-related sources ..... farms	15	16
Harvested cropland ..... farms	26,836	19,363	Average per farm ..... \$1,000	523	1,596
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	9	3	Average per farm ..... dollars	34,891	99,755
Other cropland ..... farms	1,122	(D)	Tenure:		
Woodland ..... farms	23	(D)	Full owners ..... farms	49	38
Woodland pastured ..... farms	4	(D)	Part owners ..... farms	10	6
Woodland not pastured ..... farms	17	(D)	Tenants ..... farms	1	1
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	34	20	Farms by North American Industry Classification System:		
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	10,237	3,858	Oilseed and grain farming (1111) ..... farms	10	4
Irrigated land ..... farms	28	15	Vegetable and melon farming (112) ..... farms	5	3
Market value of agricultural products sold ..... \$1,000	14,167	12,180	Fruit and tree nut farming (1113) ..... farms	-	2
Average per farm ..... dollars	236,120	270,666	Greenhouse, nursery, and floriculture production (1114) ..... farms	4	4
			Other crop farming (1119) ..... farms	10	10
			Tobacco farming (1191) ..... farms	-	-
			Cotton farming (1192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	10	10
			Beef cattle ranching and farming (112111) ..... farms	10	8
			Cattle feedlots (112112) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	1	1
			Hog and pig farming (1122) ..... farms	2	1
			Poultry and egg production (1123) ..... farms	4	4
			Sheep and goat farming (1124) ..... farms	2	1
			Aquaculture and other animal production (1125, 1129) ..... farms	12	7

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