

**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	4,143	3,689	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	2,511	1,589	Geothermal/geoexchange systems ..... farms	1,270	1,464
Wind turbines ..... farms	683	625	Small hydro systems ..... farms	53	36
Methane digesters ..... farms	32	16	Wind rights leased to others ..... farms	1,318	1,519

**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	173	180	Market value of agricultural products sold - Con.		
Land in farms ..... acres	55,095	56,729	Crops, including nursery and greenhouse crops ..... \$1,000	10,487	6,871
Average size of farm ..... acres	318	315	Livestock, poultry, and their products ..... \$1,000	9,809	10,162
Estimated market value of land and buildings ..... \$1,000	330,963	294,361	Total farm production expenses <sup>1</sup> ..... \$1,000	24,075	21,193
Average per farm ..... dollars	1,913,078	1,635,340	Average per farm ..... dollars	139,162	117,739
Average per acre ..... dollars	6,007	5,189	Government payments ..... farms	9	22
Estimated market value of all machinery and equipment ..... \$1,000	23,264	21,625	Average per farm ..... \$1,000	76	167
Land in farms according to use:			Average per farm ..... dollars	8,474	7,579
Total cropland ..... farms	125	115	Total income from farm-related sources ..... farms	58	69
Harvested cropland ..... farms	113	104	Average per farm ..... \$1,000	3,791	2,305
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	12	6	Average per farm ..... dollars	65,360	33,400
Other cropland ..... farms	940	198	Tenure:		
Other cropland ..... acres	29	46	Full owners ..... farms	144	144
Total woodland ..... farms	60	72	Part owners ..... farms	14	16
Woodland pastured ..... farms	24,228	25,987	Tenants ..... farms	15	20
Woodland pastured ..... acres	13	14	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	770	2,318	Oilseed and grain farming (1111) ..... farms	34	22
Woodland not pastured ..... acres	55	67	Vegetable and melon farming (1112) ..... farms	19	20
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	62	66	Fruit and tree nut farming (1113) ..... farms	5	10
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	5,496	4,166	Greenhouse, nursery, and floriculture production (1114) ..... farms	16	15
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	115	118	Other crop farming (1119) ..... farms	27	36
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	12,440	15,823	Tobacco farming (1191) ..... farms	-	-
Irrigated land ..... farms	41	48	Cotton farming (1192) ..... farms	-	-
Irrigated land ..... acres	1,077	1,121	Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	27	36
Market value of agricultural products sold ..... \$1,000	20,296	17,033	Beef cattle ranching and farming (112111) ..... farms	11	11
Average per farm ..... dollars	117,318	94,629	Cattle feedlots (112112) ..... farms	1	2
			Dairy cattle and milk production (11212) ..... farms	2	3
			Hog and pig farming (1122) ..... farms	9	5
			Poultry and egg production (1123) ..... farms	7	4
			Sheep and goat farming (1124) ..... farms	4	6
			Aquaculture and other animal production (1125, 1129) ..... farms	38	46

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