

**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	5,484	4,570	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	3,455	2,328	Geothermal/geoeexchange systems ..... farms	1,891	2,075
Wind turbines ..... farms	377	335	Small hydro systems ..... farms	98	81
Methane digesters ..... farms	33	71	Wind rights leased to others ..... farms	669	639

**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	83	83	Market value of agricultural products sold - Con.		
Land in farms ..... acres	53,448	44,093	Crops, including nursery and greenhouse crops ..... \$1,000	5,028	4,795
Average size of farm ..... acres	644	531	Livestock, poultry, and their products ..... \$1,000	13,761	12,529
Estimated market value of land and buildings ..... \$1,000	240,862	203,507	Total farm production expenses <sup>1</sup> ..... \$1,000	32,607	37,285
Average per farm ..... dollars	2,901,954	2,451,894	Average per farm ..... dollars	392,850	449,212
Average per acre ..... dollars	4,506	4,615	Government payments ..... farms	8	19
Estimated market value of all machinery and equipment ..... \$1,000	18,435	13,415	Average per farm ..... \$1,000	39	124
Land in farms according to use:			Average per farm ..... dollars	4,828	6,507
Total cropland ..... farms	58	63	Total income from farm-related sources ..... farms	27	26
Harvested cropland ..... acres	14,081	14,491	Average per farm ..... \$1,000	2,138	1,011
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	5	6	Average per farm ..... dollars	79,174	38,887
Other cropland ..... acres	1,599	871	Tenure:		
Other cropland ..... farms	19	19	Full owners ..... farms	60	64
Other cropland ..... acres	3,267	1,744	Part owners ..... farms	19	17
Total woodland ..... farms	47	47	Tenants ..... farms	4	2
Woodland pastured ..... acres	15,878	11,282	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	14	21	Oilseed and grain farming (1111) ..... farms	11	23
Woodland not pastured ..... acres	1,308	2,007	Vegetable and melon farming (112) ..... farms	1	-
Woodland not pastured ..... farms	38	35	Fruit and tree nut farming (1113) ..... farms	3	2
Woodland not pastured ..... acres	14,570	9,275	Greenhouse, nursery, and floriculture production (1114) ..... farms	1	1
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	51	47	Other crop farming (1119) ..... farms	10	14
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	16,152	11,398	Tobacco farming (1191) ..... farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	66	66	Cotton farming (1192) ..... farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	7,337	6,922	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	10	14
Irrigated land ..... farms	14	16	Beef cattle ranching and farming (112111) ..... farms	24	21
Irrigated land ..... acres	518	1,600	Cattle feedlots (112112) ..... farms	3	1
Market value of agricultural products sold ..... \$1,000	18,789	17,324	Dairy cattle and milk production (11212) ..... farms	3	1
Average per farm ..... dollars	226,372	208,723	Hog and pig farming (1122) ..... farms	1	3
			Poultry and egg production (1123) ..... farms	2	1
			Sheep and goat farming (1124) ..... farms	-	-
			Aquaculture and other animal production (1125, 1129) ..... farms	24	16

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