

**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	3,642	2,935	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	2,414	1,576	Geothermal/geoexchange systems ..... farms	1,231	1,183
Wind turbines ..... farms	263	340	Small hydro systems ..... farms	20	10
Methane digesters ..... farms	31	32	Wind rights leased to others ..... farms	306	223

**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	91	90	Market value of agricultural products sold - Con.		
Land in farms ..... acres	55,496	51,982	Crops, including nursery and greenhouse crops ..... \$1,000	17,801	20,453
Average size of farm ..... acres	610	578	Livestock, poultry, and their products ..... \$1,000	31,650	19,650
Estimated market value of land and buildings ..... \$1,000	364,716	366,721	Total farm production expenses <sup>1</sup> ..... \$1,000	50,368	44,364
Average per farm ..... dollars	4,007,865	4,074,683	Average per farm ..... dollars	553,490	492,938
Average per acre ..... dollars	6,572	7,055	Government payments ..... farms	6	23
Estimated market value of all machinery and equipment ..... \$1,000	26,584	29,222	Average per farm ..... \$1,000 (D)	(D)	175
Land in farms according to use:			Average per farm ..... dollars (D)	(D)	7,605
Total cropland ..... farms	41	57	Total income from farm-related sources ..... farms	42	31
Harvested cropland ..... farms	39	47	Average per farm ..... \$1,000	1,715	2,531
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	6	3	Average per farm ..... dollars	40,841	81,636
Other cropland ..... farms	471	242	Tenure:		
Woodland ..... farms	14	31	Full owners ..... farms	65	66
Woodland pastured ..... farms	2	3	Part owners ..... farms	16	17
Woodland not pastured ..... farms	35	39	Tenants ..... farms	10	7
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	15	8	Farms by North American Industry Classification System:		
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	74	72	Oilseed and grain farming (1111) ..... farms	15	19
Irrigated land ..... farms	17	20	Vegetable and melon farming (112) ..... farms	3	4
Market value of agricultural products sold ..... \$1,000	49,451	40,103	Fruit and tree nut farming (1113) ..... farms	4	4
Average per farm ..... dollars	543,421	445,588	Greenhouse, nursery, and floriculture production (1114) ..... farms	3	7
			Other crop farming (1119) ..... farms	6	11
			Tobacco farming (1191) ..... farms	-	-
			Cotton farming (1192) ..... farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) ..... farms	6	11
			Beef cattle ranching and farming (11211) ..... farms	1	2
			Cattle feedlots (11212) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	9	8
			Hog and pig farming (1122) ..... farms	3	2
			Poultry and egg production (1123) ..... farms	1	1
			Sheep and goat farming (1124) ..... farms	-	-
			Aquaculture and other animal production (1125, 1129) ..... farms	46	32

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