

**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	6,143	5,782	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	3,697	2,628	Geothermal/geoexchange systems ..... farms	2,433	2,865
Wind turbines ..... farms	309	363	Small hydro systems ..... farms	81	52
Methane digesters ..... farms	24	27	Wind rights leased to others ..... farms	604	826

**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	105	122	Market value of agricultural products sold - Con.		
Land in farms ..... acres	23,495	26,435	Crops, including nursery and greenhouse crops ..... \$1,000	4,310	2,106
Average size of farm ..... acres	224	217	Livestock, poultry, and their products ..... \$1,000	17,329	15,255
Estimated market value of land and buildings ..... \$1,000	217,128	250,147	Total farm production expenses <sup>1</sup> ..... \$1,000	20,245	18,355
Average per farm ..... dollars	2,067,884	2,050,383	Average per farm ..... dollars	192,812	150,448
Average per acre ..... dollars	9,241	9,463	Government payments ..... farms	21	37
Estimated market value of all machinery and equipment ..... \$1,000	12,521	14,480	Average per farm ..... \$1,000	141	125
Land in farms according to use:			Average per farm ..... dollars	6,725	3,367
Total cropland ..... farms	89	99	Total income from farm-related sources ..... farms	28	45
Harvested cropland ..... farms	77	73	Average per farm ..... \$1,000	428	1,841
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	5	8	Average per farm ..... dollars	15,295	40,913
Other cropland ..... farms	57	194	Tenure:		
Woodland ..... farms	32	49	Full owners ..... farms	81	99
Woodland not pastured ..... farms	51	52	Part owners ..... farms	12	10
Woodland pastured ..... farms	2	3	Tenants ..... farms	12	13
Woodland not pastured ..... acres	(D)	(D)	Farms by North American Industry Classification System:		
Woodland pastured ..... acres	(D)	(D)	Oilseed and grain farming (1111) .....	39	40
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	34	36	Vegetable and melon farming (112) .....	5	3
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	71	84	Fruit and tree nut farming (1113) .....	1	1
Irrigated land ..... farms	14	13	Greenhouse, nursery, and floriculture production (1114) .....	6	4
Market value of agricultural products sold ..... \$1,000	21,639	17,361	Other crop farming (1119) .....	25	42
Average per farm ..... dollars	206,085	142,303	Tobacco farming (1191) .....	-	-
			Cotton farming (1192) .....	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) .....	25	42
			Beef cattle ranching and farming (11211) .....	1	4
			Cattle feedlots (11212) .....	1	2
			Dairy cattle and milk production (11212) .....	1	1
			Hog and pig farming (1122) .....	1	1
			Poultry and egg production (1123) .....	2	1
			Sheep and goat farming (1124) .....	-	-
			Aquaculture and other animal production (1125, 1129) .....	23	23

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