

**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	2,544	2,555	Renewable energy producing systems (see text) - Con.		
Solar panels ..... farms	2,170	1,999	Geothermal/geoexchange systems ..... farms	355	337
Wind turbines ..... farms	155	274	Small hydro systems ..... farms	44	35
Methane digesters ..... farms	10	2	Wind rights leased to others ..... farms	160	186

**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	192	183	Market value of agricultural products sold - Con.		
Land in farms ..... acres	4,312,055	4,241,165	Crops, including nursery and greenhouse crops ..... \$1,000	6,957	5,541
Average size of farm ..... acres	22,459	23,176	Livestock, poultry, and their products ..... \$1,000	29,726	17,422
Estimated market value of land and buildings ..... \$1,000	2,270,755	1,536,974	Total farm production expenses <sup>1</sup> ..... \$1,000	38,335	22,995
Average per farm ..... dollars	11,826,849	8,398,763	Average per farm ..... dollars	199,660	125,658
Average per acre ..... dollars	527	362	Government payments ..... farms	13	40
Estimated market value of all machinery and equipment ..... \$1,000	27,974	23,531	Average per farm ..... \$1,000	1,178	1,617
Land in farms according to use:			Average per farm ..... dollars	90,618	40,430
Total cropland ..... farms	77	82	Total income from farm-related sources ..... farms	109	103
Harvested cropland ..... farms	45,745	76,907	Average per farm ..... \$1,000	13,803	9,127
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	55	46	Tenure:		
Other cropland ..... farms	22,273	23,916	Full owners ..... farms	140	130
Other cropland ..... acres	14	15	Part owners ..... farms	33	32
Other cropland ..... acres	10,375	13,426	Tenants ..... farms	19	21
Other cropland ..... acres	34	52	Farms by North American Industry Classification System:		
Other cropland ..... acres	13,097	39,565	Oilseed and grain farming (1111) .....	12	8
Total woodland ..... farms	34	38	Vegetable and melon farming (112) .....	2	3
Woodland pastured ..... farms	1,059,134	1,085,822	Fruit and tree nut farming (1113) .....	1	1
Woodland pastured ..... acres	24	27	Greenhouse, nursery, and floriculture production (1114) .....	7	5
Woodland not pastured ..... farms	533,211	418,270	Other crop farming (1119) .....	29	49
Woodland not pastured ..... acres	22	21	Tobacco farming (1191) .....	-	-
Woodland not pastured ..... acres	525,923	667,552	Cotton farming (1192) .....	-	-
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	141	130	Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) .....	29	49
Permanent pasture and rangeland other than cropland and woodland pastured ..... acres	3,133,690	3,023,789	Beef cattle ranching and farming (112111) .....	25	22
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	89	92	Cattle feedlots (112112) .....	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... acres	73,486	54,647	Dairy cattle and milk production (11212) .....	-	1
Irrigated land ..... farms	51	52	Hog and pig farming (1122) .....	-	1
Irrigated land ..... acres	24,204	27,693	Poultry and egg production (1123) .....	1	1
Market value of agricultural products sold ..... \$1,000	36,683	22,963	Sheep and goat farming (1124) .....	2	3
Average per farm ..... dollars	191,059	125,481	Aquaculture and other animal production (1125, 1129) .....	113	89

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