

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	1,438	840	Renewable energy producing systems (see text) - Con.		
Solar panels farms	1,200	590	Geothermal/geoexchange systems farms	256	209
Wind turbines farms	24	23	Small hydro systems farms	7	14
Methane digesters farms	7	2	Wind rights leased to others farms	55	58

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	55	50	Market value of agricultural products sold - Con.		
Land in farms acres	88,863	66,865	Crops, including nursery and greenhouse crops \$1,000	18,920	12,721
Average size of farm acres	1,610	1,337	Livestock, poultry, and their products \$1,000	27,215	14,026
Estimated market value of land and buildings \$1,000	270,648	211,430	Total farm production expenses ¹ \$1,000	43,463	25,428
Average per farm dollars	4,920,871	4,228,600	Average per farm dollars	790,230	508,561
Average per acre dollars	3,056	3,162	Government payments farms	7	13
Estimated market value of all machinery and equipment \$1,000	28,614	27,267	Average per farm \$1,000	373	644
Land in farms according to use:			Average per farm dollars	53,323	49,509
Total cropland farms	40	35	Total income from farm-related sources farms	16	11
Harvested cropland acres	39,173	30,211	Average per farm \$1,000	415	269
Other pasture and grazing land that could have been used for crops without additional improvements farms	4	4	Average per farm dollars	25,922	24,474
Other cropland acres	(D)	753	Tenure:		
Other cropland farms	8	14	Full owners farms	42	42
Other cropland acres	(D)	5,748	Part owners farms	9	6
Total woodland farms	27	19	Tenants farms	4	2
Woodland pastured acres	30,645	19,602	Farms by North American Industry Classification System:		
Woodland not pastured farms	6	3	Oilseed and grain farming (1111) farms	14	12
Woodland not pastured acres	24,049	19,521	Vegetable and melon farming (1112) farms	3	1
Permanent pasture and rangeland other than cropland and woodland pastured farms	24	22	Fruit and tree nut farming (1113) farms	1	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	39	40	Greenhouse, nursery, and floriculture production (1114) farms	-	-
Irrigated land acres	25,805	15,316	Other crop farming (1119) farms	6	5
Market value of agricultural products sold \$1,000	46,135	26,747	Tobacco farming (11191) farms	-	-
Average per farm dollars	838,823	534,932	Cotton farming (11192) farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	6	5
			Beef cattle ranching and farming (11211) farms	8	16
			Cattle feedlots (11212) farms	-	-
			Dairy cattle and milk production (11212) farms	-	-
			Hog and pig farming (1122) farms	4	1
			Poultry and egg production (1123) farms	4	2
			Sheep and goat farming (1124) farms	1	-
			Aquaculture and other animal production (1125, 1129) farms	14	13

¹ Landlord production expenses are included within total farm production expenses.