

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	4,696	4,007	Renewable energy producing systems (see text) - Con.		
Solar panels farms	3,079	2,612	Geothermal/geoexchange systems farms	900	812
Wind turbines farms	944	791	Small hydro systems farms	131	34
Methane digesters farms	-	1	Wind rights leased to others farms	1,808	2,167

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	139	125	Market value of agricultural products sold - Con.		
Land in farms acres	392,512	306,689	Crops, including nursery and greenhouse crops \$1,000	4,516	3,854
Average size of farm acres	2,824	2,454	Livestock, poultry, and their products \$1,000	32,109	31,689
Estimated market value of land and buildings \$1,000	777,272	501,629	Total farm production expenses ¹ \$1,000	35,924	32,599
Average per farm dollars	5,591,884	4,013,033	Average per farm dollars	258,443	260,796
Average per acre dollars	1,980	1,636	Government payments farms	18	18
Estimated market value of all machinery and equipment \$1,000	26,050	22,665	Average per farm \$1,000	766	426
Land in farms according to use:			Average per farm dollars	42,555	23,663
Total cropland farms	101	85	Total income from farm-related sources farms	31	37
Harvested cropland acres	40,900	44,095	Average per farm \$1,000	1,012	1,613
Other pasture and grazing land that could have been used for crops without additional improvements farms	11	12	Average per farm dollars	32,633	43,582
Other cropland acres	5,892	14,972	Tenure:		
Other cropland acres	22	28	Full owners farms	106	99
Total woodland farms	50	37	Part owners farms	28	20
Woodland pastured acres	110,429	93,589	Tenants farms	5	6
Woodland pastured acres	27	20	Farms by North American Industry Classification System:		
Woodland not pastured farms	33,436	21,091	Oilseed and grain farming (1111)	8	14
Woodland not pastured acres	34	29	Vegetable and melon farming (112)	3	-
Permanent pasture and rangeland other than cropland and woodland pastured farms	86	76	Fruit and tree nut farming (1113)	5	3
Permanent pasture and rangeland other than cropland and woodland pastured acres	232,604	160,356	Greenhouse, nursery, and floriculture production (1114)	6	4
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	94	81	Other crop farming (1119)	32	33
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. acres	8,579	8,649	Tobacco farming (1191)	-	-
Irrigated land farms	33	20	Cotton farming (1192)	6	4
Irrigated land acres	2,961	1,753	Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199)	26	29
Market value of agricultural products sold \$1,000	36,626	35,543	Beef cattle ranching and farming (11211)	56	35
Average per farm dollars	263,496	284,342	Cattle feedlots (11212)	1	1
			Dairy cattle and milk production (11212)	2	2
			Hog and pig farming (1122)	1	5
			Poultry and egg production (1123)	-	-
			Sheep and goat farming (1124)	6	11
			Aquaculture and other animal production (1125, 1129)	19	17

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