

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	8,471	7,057	Renewable energy producing systems (see text) - Con.		
Solar panels farms	3,381	2,050	Geothermal/geoexchange systems farms	3,805	3,978
Wind turbines farms	1,896	1,500	Small hydro systems farms	40	15
Methane digesters farms	7	4	Wind rights leased to others farms	2,585	2,070

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	154	148	Market value of agricultural products sold - Con.		
Land in farms acres	63,512	52,497	Crops, including nursery and greenhouse crops \$1,000	21,943	17,135
Average size of farm acres	412	355	Livestock, poultry, and their products \$1,000	31,852	15,713
Estimated market value of land and buildings \$1,000	536,929	612,378	Total farm production expenses ¹ \$1,000	54,734	39,456
Average per farm dollars	3,486,553	4,137,691	Average per farm dollars	355,417	266,594
Average per acre dollars	8,454	11,665	Government payments farms	18	43
Estimated market value of all machinery and equipment \$1,000	29,498	35,932	Average per farm \$1,000	218	544
Land in farms according to use:			Average per farm dollars	12,086	12,660
Total cropland farms	142	133	Total income from farm-related sources farms	52	47
Harvested cropland acres	34,285	36,411	Average per farm \$1,000	2,518	3,386
Other pasture and grazing land that could have been used for crops without additional improvements farms	9	16	Average per farm dollars	48,418	72,049
Other cropland acres	441	2,199	Tenure:		
Other cropland farms	37	41	Full owners farms	99	83
Other cropland acres	4,686	3,464	Part owners farms	25	28
Total woodland farms	37	35	Tenants farms	30	37
Woodland pastured acres	7,842	5,473	Farms by North American Industry Classification System:		
Woodland not pastured farms	1,732	1,082	Oilseed and grain farming (1111)	100	87
Woodland not pastured acres	33	30	Vegetable and melon farming (1112)	2	5
Permanent pasture and rangeland other than cropland and woodland pastured farms	35	30	Fruit and tree nut farming (1113)	-	-
Permanent pasture and rangeland other than cropland and woodland pastured acres	13,774	5,571	Greenhouse, nursery, and floriculture production (1114)	3	3
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	93	75	Other crop farming (1119)	22	15
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. acres	7,611	5,042	Tobacco farming (11191)	-	-
Irrigated land farms	16	15	Cotton farming (11192)	-	-
Irrigated land acres	1,094	440	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	22	15
Market value of agricultural products sold \$1,000	53,794	32,848	Beef cattle ranching and farming (112111)	4	10
Average per farm dollars	349,314	221,945	Cattle feedlots (112112)	1	4
			Dairy cattle and milk production (11212)	1	1
			Hog and pig farming (1122)	3	3
			Poultry and egg production (1123)	-	-
			Sheep and goat farming (1124)	1	-
			Aquaculture and other animal production (1125, 1129)	17	20

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