

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	1,582	1,656	Renewable energy producing systems (see text) - Con.		
Solar panels farms	924	870	Geothermal/geoexchange systems farms	410	540
Wind turbines farms	331	330	Small hydro systems farms	13	26
Methane digesters farms	-	-	Wind rights leased to others farms	560	490

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	52	43	Market value of agricultural products sold - Con.		
Land in farms acres	917,960	823,123	Crops, including nursery and greenhouse crops \$1,000	7,105	4,063
Average size of farm acres	17,653	19,142	Livestock, poultry, and their products \$1,000	13,892	9,255
Estimated market value of land and buildings \$1,000	1,099,953	801,806	Total farm production expenses ¹ \$1,000	20,119	11,516
Average per farm dollars	21,152,943	18,646,662	Average per farm dollars	386,902	267,826
Average per acre dollars	1,198	974	Government payments farms	8	10
Estimated market value of all machinery and equipment \$1,000	26,060	21,013	Average per farm \$1,000 (D)	(D)	284
Land in farms according to use:			Average per farm dollars (D)	(D)	28,403
Total cropland farms	35	30	Total income from farm-related sources farms	22	19
Harvested cropland acres	41,443	34,539	Average per farm \$1,000	1,956	994
Other pasture and grazing land that could have been used for crops without additional improvements farms	11	6	Average per farm dollars	88,915	52,342
Other cropland acres	10,662	2,424	Tenure:		
Woodland farms	15	20	Full owners farms	34	26
Woodland not pastured acres	6,215	12,703	Part owners farms	18	16
Total woodland farms	10	4	Tenants farms	-	1
Woodland pastured acres	20,167	20,161	Farms by North American Industry Classification System:		
Woodland not pastured acres	(D)	(D)	Oilseed and grain farming (1111) farms	10	5
Permanent pasture and rangeland other than cropland and woodland pastured farms	40	23	Vegetable and melon farming (112) farms	2	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	33	23	Fruit and tree nut farming (1113) farms	-	-
Irrigated land farms	9	7	Greenhouse, nursery, and floriculture production (1114) farms	2	3
Market value of agricultural products sold \$1,000	20,997	13,318	Other crop farming (1119) farms	-	8
Average per farm dollars	403,790	309,719	Tobacco farming (1191) farms	-	-
			Cotton farming (1192) farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) farms	-	8
			Beef cattle ranching and farming (11211) farms	13	7
			Cattle feedlots (11212) farms	3	2
			Dairy cattle and milk production (11212) farms	-	2
			Hog and pig farming (1122) farms	-	-
			Poultry and egg production (1123) farms	-	-
			Sheep and goat farming (1124) farms	1	1
			Aquaculture and other animal production (1125, 1129) farms	21	15

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