

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	6,201	5,042	Renewable energy producing systems (see text) - Con.		
Solar panels farms	3,369	1,205	Geothermal/geoexchange systems farms	2,262	2,557
Wind turbines farms	1,117	989	Small hydro systems farms	67	55
Methane digesters farms	21	54	Wind rights leased to others farms	1,513	1,009

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	160	145	Market value of agricultural products sold - Con.		
Land in farms acres	30,089	30,819	Crops, including nursery and greenhouse crops \$1,000	12,075	16,203
Average size of farm acres	188	213	Livestock, poultry, and their products \$1,000	13,043	14,284
Estimated market value of land and buildings \$1,000	209,834	237,299	Total farm production expenses ¹ \$1,000	32,715	29,004
Average per farm dollars	1,311,466	1,636,543	Average per farm dollars	204,468	200,030
Average per acre dollars	6,974	7,700	Government payments farms	37	43
Estimated market value of all machinery and equipment \$1,000	23,686	19,871	Average per farm \$1,000	747	195
Land in farms according to use:			Average per farm dollars	20,182	4,533
Total cropland farms	146	129	Total income from farm-related sources farms	36	33
Harvested cropland farms	14,720	13,969	Average per farm \$1,000	1,308	1,228
Other pasture and grazing land that could have been used for crops without additional improvements farms	2	3	Average per farm dollars	36,337	37,225
Other cropland farms	(D)	97	Tenure:		
Other cropland acres	46	45	Full owners farms	98	92
Other cropland acres	(D)	1,517	Part owners farms	29	14
Total woodland farms	27	21	Tenants farms	33	39
Woodland pastured farms	3,751	8,137	Farms by North American Industry Classification System:		
Woodland not pastured farms	3	2	Oilseed and grain farming (1111) farms	98	83
Woodland not pastured acres	(D)	(D)	Vegetable and melon farming (1112) farms	3	4
Woodland not pastured acres	(D)	(D)	Fruit and tree nut farming (1113) farms	1	1
Permanent pasture and rangeland other than cropland and woodland pastured farms	22	16	Greenhouse, nursery, and floriculture production (1114) farms	15	6
Permanent pasture and rangeland other than cropland and woodland pastured acres	7,916	5,379	Other crop farming (1119) farms	26	32
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	51	55	Tobacco farming (1191) farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. acres	3,702	3,334	Cotton farming (1192) farms	-	-
Irrigated land farms	32	24	Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) farms	26	32
Irrigated land acres	395	353	Beef cattle ranching and farming (112111) farms	3	3
Market value of agricultural products sold \$1,000	25,118	30,487	Cattle feedlots (112112) farms	3	1
Average per farm dollars	156,988	210,253	Dairy cattle and milk production (11212) farms	-	-
			Hog and pig farming (1122) farms	-	4
			Poultry and egg production (1123) farms	1	2
			Sheep and goat farming (1124) farms	-	-
			Aquaculture and other animal production (1125, 1129) farms	10	9

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