

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	1,146	946	Renewable energy producing systems (see text) - Con.		
Solar panels farms	968	687	Geothermal/geoexchange systems farms	173	118
Wind turbines farms	46	41	Small hydro systems farms	48	18
Methane digesters farms	14	10	Wind rights leased to others farms	75	88

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	84	80	Market value of agricultural products sold - Con.		
Land in farms acres	46,248	41,384	Crops, including nursery and greenhouse crops \$1,000	11,132	7,085
Average size of farm acres	551	517	Livestock, poultry, and their products \$1,000	9,087	10,183
Estimated market value of land and buildings \$1,000	192,320	220,998	Total farm production expenses ¹ \$1,000	21,710	20,450
Average per farm dollars	2,289,525	2,762,478	Average per farm dollars	258,451	255,624
Average per acre dollars	4,158	5,340	Government payments farms	13	9
Estimated market value of all machinery and equipment \$1,000	21,014	22,678	Average per farm \$1,000	216	137
Land in farms according to use:			Average per farm dollars	16,591	15,230
Total cropland farms	50	51	Total income from farm-related sources farms	19	17
Harvested cropland farms	12,987	13,670	Average per farm \$1,000	361	(D)
Other pasture and grazing land that could have been used for crops without additional improvements farms	5	45	Average per farm dollars	19,013	(D)
Other cropland farms	(D)	8,984	Tenure:		
Other cropland acres	11	3	Full owners farms	78	73
Total woodland farms	30	(D)	Part owners farms	3	3
Woodland pastured farms	20,630	20	Tenants farms	3	4
Woodland not pastured farms	4	(D)	Farms by North American Industry Classification System:		
Woodland not pastured acres	199	(D)	Oilseed and grain farming (1111) farms	5	2
Permanent pasture and rangeland other than cropland and woodland pastured farms	34	34	Vegetable and melon farming (112) farms	6	1
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	67	53	Fruit and tree nut farming (1113) farms	5	2
Irrigated land farms	30	38	Greenhouse, nursery, and floriculture production (1114) farms	11	23
Market value of agricultural products sold \$1,000	20,219	17,268	Other crop farming (1119) farms	17	16
Average per farm dollars	240,705	215,854	Tobacco farming (1191) farms	-	-
			Cotton farming (1192) farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) farms	17	16
			Beef cattle ranching and farming (112111) farms	10	11
			Cattle feedlots (112112) farms	-	-
			Dairy cattle and milk production (11212) farms	1	2
			Hog and pig farming (1122) farms	5	1
			Poultry and egg production (1123) farms	1	2
			Sheep and goat farming (1124) farms	-	1
			Aquaculture and other animal production (1125, 1129) farms	23	19

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