

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	2,205	1,996	Renewable energy producing systems (see text) - Con.		
Solar panels farms	1,800	1,444	Geothermal/geoexchange systems farms	426	396
Wind turbines farms	61	76	Small hydro systems farms	67	32
Methane digesters farms	22	6	Wind rights leased to others farms	90	170

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	101	118	Market value of agricultural products sold - Con.		
Land in farms acres	135,960	48,374	Crops, including nursery and greenhouse crops \$1,000	11,409	5,601
Average size of farm acres	1,346	410	Livestock, poultry, and their products \$1,000	14,411	9,313
Estimated market value of land and buildings \$1,000	537,764	184,668	Total farm production expenses ¹ \$1,000	23,669	21,811
Average per farm dollars	5,324,399	1,564,980	Average per farm dollars	234,343	184,840
Average per acre dollars	3,955	3,817	Government payments farms	3	11
Estimated market value of all machinery and equipment \$1,000	34,176	19,001	Average per farm \$1,000	28	117
Land in farms according to use:			Average per farm dollars	9,300	10,608
Total cropland farms	80	91	Total income from farm-related sources farms	41	30
Harvested cropland acres	97,861	16,620	Average per farm \$1,000	592	501
Other pasture and grazing land that could have been used for crops without additional improvements farms	10	9	Average per farm dollars	14,438	16,698
Other cropland acres	475	672	Tenure:		
Other cropland acres	14	22	Full owners farms	78	89
Total woodland farms	35	41	Part owners farms	19	20
Woodland pastured farms	17	10	Tenants farms	4	9
Woodland not pastured farms	1,275	1,211	Farms by North American Industry Classification System:		
Woodland not pastured acres	30	38	Oilseed and grain farming (1111) farms	12	10
Permanent pasture and rangeland other than cropland and woodland pastured farms	42	52	Vegetable and melon farming (112) farms	5	4
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	7,497	6,796	Fruit and tree nut farming (1113) farms	1	5
Irrigated land farms	66	70	Greenhouse, nursery, and floriculture production (1114) farms	25	44
Irrigated land acres	10,880	4,946	Other crop farming (1119) farms	9	10
Market value of agricultural products sold \$1,000	25,820	14,914	Tobacco farming (1191) farms	-	-
Average per farm dollars	255,642	126,390	Cotton farming (1192) farms	-	1
			Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	9	9
			Beef cattle ranching and farming (11211) farms	15	14
			Cattle feedlots (11212) farms	-	-
			Dairy cattle and milk production (11212) farms	5	5
			Hog and pig farming (1122) farms	-	2
			Poultry and egg production (1123) farms	1	3
			Sheep and goat farming (1124) farms	6	3
			Aquaculture and other animal production (1125, 1129) farms	22	18

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