

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	6,589	5,859	Renewable energy producing systems (see text) - Con.		
Solar panels farms	4,402	3,211	Geothermal/geoexchange systems farms	1,958	2,230
Wind turbines farms	514	541	Small hydro systems farms	90	40
Methane digesters farms	31	46	Wind rights leased to others farms	624	682

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	131	110	Market value of agricultural products sold - Con.		
Land in farms acres	36,740	35,196	Crops, including nursery and greenhouse crops \$1,000	15,137	8,068
Average size of farm acres	280	320	Livestock, poultry, and their products \$1,000	6,864	4,980
Estimated market value of land and buildings \$1,000	219,738	216,677	Total farm production expenses ¹ \$1,000	20,660	15,068
Average per farm dollars	1,677,390	1,969,792	Average per farm dollars	157,710	136,984
Average per acre dollars	5,981	6,156	Government payments farms	8	27
Estimated market value of all machinery and equipment \$1,000	22,830	15,764	Average per farm \$1,000	35	240
Land in farms according to use:			Average per farm dollars	4,332	8,903
Total cropland farms	117	96	Total income from farm-related sources farms	38	28
Harvested cropland acres	16,407	15,907	Average per farm \$1,000	677	1,056
Other pasture and grazing land that could have been used for crops without additional improvements farms	4	7	Tenure:	17,803	37,716
Other cropland acres	379	480	Full owners farms	99	77
Other cropland farms	23	18	Part owners farms	22	18
Other cropland acres	767	935	Tenants farms	10	15
Total woodland farms	24	28	Farms by North American Industry Classification System:		
Woodland pastured acres	6,753	7,537	Oilseed and grain farming (1111) farms	85	67
Woodland not pastured acres	(D)	559	Vegetable and melon farming (1112) farms	2	1
Woodland not pastured farms	23	27	Fruit and tree nut farming (1113) farms	-	-
Woodland not pastured acres	(D)	6,978	Greenhouse, nursery, and floriculture production (1114) farms	6	6
Permanent pasture and rangeland other than cropland and woodland pastured farms	10	12	Other crop farming (1119) farms	21	19
Permanent pasture and rangeland other than cropland and woodland pastured acres	2,806	7,187	Tobacco farming (1191) farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	56	50	Cotton farming (1192) farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. acres	10,774	4,565	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	21	19
Irrigated land farms	17	13	Beef cattle ranching and farming (11211) farms	2	2
Irrigated land acres	460	417	Cattle feedlots (11212) farms	-	-
Market value of agricultural products sold \$1,000	22,001	13,048	Dairy cattle and milk production (11212) farms	-	2
Average per farm dollars	167,947	118,616	Hog and pig farming (1122) farms	-	-
			Poultry and egg production (1123) farms	-	1
			Sheep and goat farming (1124) farms	-	-
			Aquaculture and other animal production (1125, 1129) farms	15	12

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