

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	3,234	3,283	Renewable energy producing systems (see text) - Con.		
Solar panels farms	2,683	2,493	Geothermal/geoexchange systems farms	420	306
Wind turbines farms	368	490	Small hydro systems farms	5	51
Methane digesters farms	22	46	Wind rights leased to others farms	466	519

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	86	78	Market value of agricultural products sold - Con.		
Land in farms acres	38,747	37,032	Crops, including nursery and greenhouse crops \$1,000	8,472	3,669
Average size of farm acres	451	475	Livestock, poultry, and their products \$1,000	19,812	15,420
Estimated market value of land and buildings \$1,000	159,024	196,980	Total farm production expenses ¹ \$1,000	28,748	21,088
Average per farm dollars	1,849,115	2,525,390	Average per farm dollars	334,279	270,361
Average per acre dollars	4,104	5,319	Government payments farms	4	1
Estimated market value of all machinery and equipment \$1,000	22,022	14,786	Average per farm \$1,000	(D)	(D)
Land in farms according to use:			Average per farm dollars	(D)	(D)
Total cropland farms	54	48	Total income from farm-related sources farms	27	31
Harvested cropland farms	52	46	Average per farm \$1,000	222	2,217
Other pasture and grazing land that could have been used for crops without additional improvements farms	8	3	Average per farm dollars	8,212	71,506
Other cropland farms	547	276	Tenure:		
Woodland farms	21	29	Full owners farms	73	66
Woodland not pastured farms	45	39	Part owners farms	6	6
Woodland pastured farms	4	7	Tenants farms	7	6
Woodland not pastured acres	(D)	147	Farms by North American Industry Classification System:		
Woodland pastured acres	(D)	12,887	Oilseed and grain farming (1111) farms	5	5
Permanent pasture and rangeland other than cropland and woodland pastured farms	25	26	Vegetable and melon farming (1112) farms	15	12
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	68	69	Fruit and tree nut farming (1113) farms	7	4
Irrigated land farms	29	28	Greenhouse, nursery, and floriculture production (1114) farms	7	10
Market value of agricultural products sold \$1,000	28,284	19,088	Other crop farming (1119) farms	10	9
Average per farm dollars	328,883	244,723	Tobacco farming (1191) farms	-	-
			Cotton farming (1192) farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) farms	10	9
			Beef cattle ranching and farming (11211) farms	-	1
			Cattle feedlots (11212) farms	-	-
			Dairy cattle and milk production (11212) farms	6	7
			Hog and pig farming (1122) farms	-	-
			Poultry and egg production (1123) farms	4	-
			Sheep and goat farming (1124) farms	2	4
			Aquaculture and other animal production (1125, 1129) farms	30	26

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