

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	3,763	3,029	Renewable energy producing systems (see text) - Con.		
Solar panels farms	2,457	1,879	Geothermal/geoexchange systems farms	704	680
Wind turbines farms	852	612	Small hydro systems farms	31	21
Methane digesters farms	1	-	Wind rights leased to others farms	1,618	1,604

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	76	73	Market value of agricultural products sold - Con.		
Land in farms acres	131,346	74,640	Crops, including nursery and greenhouse crops \$1,000	10,708	6,297
Average size of farm acres	1,728	1,022	Livestock, poultry, and their products \$1,000	14,379	6,990
Estimated market value of land and buildings \$1,000	363,842	133,898	Total farm production expenses ¹ \$1,000	24,118	16,841
Average per farm dollars	4,787,397	1,834,213	Average per farm dollars	317,343	230,692
Average per acre dollars	2,770	1,794	Government payments farms	12	20
Estimated market value of all machinery and equipment \$1,000	18,501	24,965	Average per farm \$1,000	142	493
Land in farms according to use:			Average per farm dollars	11,855	24,630
Total cropland farms	61	62	Total income from farm-related sources farms	34	26
Harvested cropland farms	29,293	24,584	Average per farm \$1,000	687	297
Other pasture and grazing land that could have been used for crops without additional improvements farms	2	3	Average per farm dollars	20,220	11,410
Other cropland farms	(D)	(D)	Tenure:		
Other cropland acres	25	35	Full owners farms	44	48
Other cropland acres	(D)	(D)	Part owners farms	23	17
Total woodland farms	18	16	Tenants farms	9	8
Woodland pastured farms	10,425	4,397	Farms by North American Industry Classification System:		
Woodland not pastured farms	6	3	Oilseed and grain farming (1111) farms	33	31
Woodland not pastured acres	514	314	Vegetable and melon farming (1112) farms	2	1
Woodland not pastured acres	9,911	4,083	Fruit and tree nut farming (1113) farms	-	2
Permanent pasture and rangeland other than cropland and woodland pastured farms	36	30	Greenhouse, nursery, and floriculture production (1114) farms	2	6
Permanent pasture and rangeland other than cropland and woodland pastured acres	(D)	39,894	Other crop farming (1119) farms	6	12
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	57	48	Tobacco farming (1119) farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. acres	(D)	5,765	Cotton farming (1119) farms	-	-
Irrigated land farms	27	29	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	6	12
Irrigated land acres	1,533	1,774	Beef cattle ranching and farming (11211) farms	10	9
Market value of agricultural products sold \$1,000	25,087	13,286	Cattle feedlots (11212) farms	3	5
Average per farm dollars	330,098	182,006	Dairy cattle and milk production (11212) farms	1	1
			Hog and pig farming (1122) farms	-	-
			Poultry and egg production (1123) farms	-	-
			Sheep and goat farming (1124) farms	-	-
			Aquaculture and other animal production (1125, 1129) farms	19	6

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