

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	1,461	1,421	Renewable energy producing systems (see text) - Con.		
Solar panels farms	1,352	1,245	Geothermal/geoexchange systems farms	57	73
Wind turbines farms	165	158	Small hydro systems farms	15	5
Methane digesters farms	6	4	Wind rights leased to others farms	115	139

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	135	118	Market value of agricultural products sold - Con.		
Land in farms acres	3,142,923	2,307,104	Crops, including nursery and greenhouse crops \$1,000	1,287	510
Average size of farm acres	23,281	19,552	Livestock, poultry, and their products \$1,000	13,129	9,096
Estimated market value of land and buildings \$1,000	2,081,223	891,794	Total farm production expenses ¹ \$1,000	23,198	12,234
Average per farm dollars	15,416,470	7,557,580	Average per farm dollars	171,835	103,676
Average per acre dollars	662	387	Government payments farms	2	7
Estimated market value of all machinery and equipment \$1,000	18,683	14,641	Average per farm \$1,000 (D)	(D)	79
Land in farms according to use:			Average per farm dollars (D)	(D)	11,237
Total cropland farms	24	21	Total income from farm-related sources farms	24	27
Harvested cropland acres	10,916	10,610	Average per farm \$1,000	7,339	2,007
Other pasture and grazing land that could have been used for crops without additional improvements farms	11	7	Average per farm dollars	305,789	74,332
Other cropland acres	3,823	(D)	Tenure:		
Other cropland farms	4	5	Full owners farms	56	64
Other cropland acres	(D)	(D)	Part owners farms	68	47
Total woodland farms	5	10	Tenants farms	11	7
Woodland pastured acres	(D)	8,255	Farms by North American Industry Classification System:		
Woodland not pastured farms	3	6	Oilseed and grain farming (1111) farms	2	-
Woodland not pastured acres	(D)	6,806	Vegetable and melon farming (112) farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured farms	120	102	Fruit and tree nut farming (1113) farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	35	39	Greenhouse, nursery, and floriculture production (1114) farms	-	-
Irrigated land acres	18,272	6,301	Other crop farming (1119) farms	10	15
Market value of agricultural products sold \$1,000	14,416	9,606	Tobacco farming (1191) farms	-	-
Average per farm dollars	106,783	81,406	Cotton farming (1192) farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) farms	10	15
			Beef cattle ranching and farming (112111) farms	15	18
			Cattle feedlots (112112) farms	1	1
			Dairy cattle and milk production (11212) farms	2	-
			Hog and pig farming (1122) farms	-	-
			Poultry and egg production (1123) farms	-	-
			Sheep and goat farming (1124) farms	5	4
			Aquaculture and other animal production (1125, 1129) farms	100	80

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