

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	16,699	14,552	Renewable energy producing systems (see text) - Con.		
Solar panels farms	16,403	13,900	Geothermal/geoexchange systems farms	123	120
Wind turbines farms	312	415	Small hydro systems farms	210	186
Methane digesters farms	48	57	Wind rights leased to others farms	157	200

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	293	299	Market value of agricultural products sold - Con.		
Land in farms acres	251,499	295,318	Crops, including nursery and greenhouse crops \$1,000	88,292	52,070
Average size of farm acres	858	988	Livestock, poultry, and their products \$1,000	37,397	46,399
Estimated market value of land and buildings \$1,000	2,199,496	1,482,161	Total farm production expenses ¹ \$1,000	123,050	108,388
Average per farm dollars	7,506,811	4,957,060	Average per farm dollars	419,966	362,502
Average per acre dollars	8,746	5,019	Government payments farms	2	3
Estimated market value of all machinery and equipment \$1,000	45,432	46,343	Average per farm \$1,000	(D)	(D)
Land in farms according to use:			Average per farm dollars	(D)	(D)
Total cropland farms	206	217	Total income from farm-related sources farms	74	53
Harvested cropland farms	29,792	33,758	Average per farm \$1,000	4,965	4,083
Other pasture and grazing land that could have been used for crops without additional improvements farms	15	18	Average per farm dollars	67,099	77,042
Improvements acres	1,820	1,841	Tenure:		
Other cropland farms	58	79	Full owners farms	228	230
Improvements acres	4,873	6,276	Part owners farms	28	24
Total woodland farms	24	31	Tenants farms	37	45
Woodland pastured farms	65,890	54,904	Farms by North American Industry Classification System:		
Woodland not pastured farms	15	13	Oilseed and grain farming (1111) farms	5	9
Improvements acres	(D)	(D)	Vegetable and melon farming (1112) farms	39	27
Woodland not pastured farms	9	18	Fruit and tree nut farming (1113) farms	64	76
Improvements acres	(D)	(D)	Greenhouse, nursery, and floriculture production (1114) farms	28	26
Permanent pasture and rangeland other than cropland and woodland pastured farms	105	96	Other crop farming (1119) farms	47	34
Improvements acres	121,440	161,217	Tobacco farming (1191) farms	-	-
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	175	199	Cotton farming (1192) farms	2	2
Improvements acres	34,377	45,439	Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) farms	45	32
Irrigated land farms	204	200	Beef cattle ranching and farming (112111) farms	23	27
Improvements acres	21,956	23,676	Cattle feedlots (112112) farms	-	-
Market value of agricultural products sold \$1,000	125,689	98,469	Dairy cattle and milk production (11212) farms	4	4
Average per farm dollars	428,974	329,328	Hog and pig farming (1122) farms	15	14
			Poultry and egg production (1123) farms	1	3
			Sheep and goat farming (1124) farms	11	18
			Aquaculture and other animal production (1125, 1129) farms	56	61

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