

Table 49. Renewable Energy: 2017 and 2012

[For meaning of abbreviations and symbols, see introductory text.]

Item	2017	2012	Item	2017	2012
Renewable energy producing systems farms	133,176	57,299	Renewable energy producing systems - Con.		
Solar panels farms	90,142	36,331	Small hydro systems farms	1,710	1,323
Wind turbines farms	14,136	9,054	Biodiesel production systems (see text) farms	2,034	4,099
Methane digesters farms	686	537	Ethanol production systems (see text) farms	1,759	2,364
Geothermal/geoexchange systems (see text) farms	30,343	9,403	Other farms	3,171	1,243
			Wind rights leased to others farms	20,072	10,181

Table 50. Institutional, Research, Experimental, and American Indian Reservation Farms: 2017 and 2012

[For meaning of abbreviations and symbols, see introductory text.]

Characteristics	2017	2012	Characteristics	2017	2012
Farms number	5,037	4,513	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	39,507,636	47,594,126	Crops, including nursery and greenhouse crops \$1,000	500,926	545,506
Average size of farm acres	7,843	10,546	Livestock, poultry, and their products \$1,000	929,449	741,561
Estimated market value of land and buildings \$1,000	26,669,729	24,980,928	Total farm production expenses \$1,000	1,488,047	1,366,088
Average per farm dollars	5,294,765	5,535,326	Average per farm dollars	295,423	302,701
Average per acre dollars	675	525	Government payments ¹ (see text) farms	629	651
Estimated market value of all machinery and equipment \$1,000	980,228	848,271 \$1,000	14,857	12,050
Land in farms according to use:			Average per farm dollars	23,621	18,510
Total cropland farms	3,082	2,801	Total income from farm-related sources farms	1,599	1,431
..... acres	1,054,588	1,014,973 \$1,000	136,097	117,962
Harvested cropland farms	2,613	2,278	Average per farm dollars	85,114	82,434
..... acres	675,575	679,089	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvements farms	328	290	Full owners farms	3,897	3,474
..... acres	74,306	60,140	Part owners farms	630	526
Other cropland farms	1,284	1,006	Tenants farms	510	513
..... acres	304,707	275,744	Farms by North American Industry Classification System:		
Total woodland farms	1,408	1,262	Oilseed and grain farming (1111) farms	611	569
..... acres	4,883,353	4,675,060	Vegetable and melon farming (1112) farms	232	174
Woodland pastured farms	390	360	Fruit and tree nut farming (1113) farms	237	196
..... acres	2,585,080	2,774,917	Greenhouse, nursery, and floriculture production (1114) farms	449	441
Woodland not pastured farms	1,211	1,078	Other crop farming (1119) farms	913	892
..... acres	2,298,273	1,900,143	Tobacco farming (11191) farms	4	6
Permanent pasture and rangeland other than cropland and woodland pastured farms	2,052	1,780	Cotton farming (11192) farms	25	15
..... acres	31,174,697	39,549,485	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	884	871
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	3,309	2,973	Beef cattle ranching and farming (112111) farms	550	460
..... acres	2,394,998	2,354,608	Cattle feedlots (112112) farms	40	29
Irrigated land farms	1,483	1,386	Dairy cattle and milk production (11212) farms	97	100
..... acres	360,363	360,990	Hog and pig farming (1122) farms	95	64
Market value of agricultural products sold (see text) \$1,000	1,430,375	1,287,067	Poultry and egg production (1123) farms	53	56
Average per farm dollars	283,974	285,191	Sheep and goat farming (1124) farms	107	76
			Aquaculture and other animal production (1125, 1129) (see text) farms	1,653	1,456

¹ Data for 2012 include loan deficiency payments, marketing loan gains, and net value of commodity certificates.