

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 systemsfarms	2,935	1,592	Renewable energy producing systems - Con.		
Solar panelsfarms	1,576	728	Small hydro systemsfarms	10	14
Wind turbinesfarms	340	264	Biodiesel production systems (see text)farms	1	1
Methane digestersfarms	32	29	Ethanol production systems (see text)farms	1	-
Geothermal/geoexchange systems (see text)farms	1,183	520	Otherfarms	35	55
			Wind rights leased to othersfarms	223	172

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
Farmsnumber	90	99	Market value of agricultural products sold (see text) - Con.		
Land in farmsacres	51,982	46,017	Crops, including nursery and greenhouse crops \$1,000	20,453	10,608
Average size of farmacres	578	465	Livestock, poultry, and their products \$1,000	19,650	20,537
Estimated market value of land and buildings\$1,000	366,721	299,274	Total farm production expenses \$1,000	44,364	33,276
Average per farmdollars	4,074,683	3,022,970	Average per farmdollars	492,938	336,120
Average per acredollars	7,055	6,504	Government payments ¹ (see text)farms	23	22
Estimated market value of all machinery and equipment\$1,000	29,222	27,685\$1,000	175	505
Land in farms according to use:			Average per farmdollars	7,605	22,935
Total croplandfarms	57	56	Total income from farm-related sourcesfarms	31	39
Harvested croplandfarms	47	44\$1,000	2,531	884
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	3	3	Average per farmdollars	81,636	22,663
.....acres	242	(D)	Tenure of producer (see text):		
Other croplandfarms	31	21	Full ownersfarms	66	70
.....acres	4,064	(D)	Part ownersfarms	17	18
Total woodlandfarms	39	36	Tenantsfarms	7	11
Woodland pasturedfarms	3	1	Farms by North American Industry Classification System:		
.....acres	100	(D)	Oilseed and grain farming (1111)farms	19	16
Woodland not pasturedfarms	39	36	Vegetable and melon farming (1112)farms	4	3
.....acres	9,892	(D)	Fruit and tree nut farming (1113)farms	4	3
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	8	12	Greenhouse, nursery, and floriculture production (1114)farms	7	6
.....acres	1,227	1,742	Other crop farming (1119)farms	11	23
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	72	86	Tobacco farming (11191)farms	-	-
.....acres	16,927	14,224	Cotton farming (11192)farms	-	-
Irrigated landfarms	20	26	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)farms	11	23
.....acres	705	1,020	Beef cattle ranching and farming (11211)farms	2	2
Market value of agricultural products sold (see text)\$1,000	40,103	31,145	Cattle feedlots (11212)farms	-	-
Average per farmdollars	445,588	314,592	Dairy cattle and milk production (11212)farms	8	7
			Hog and pig farming (1122)farms	2	1
			Poultry and egg production (1123)farms	1	2
			Sheep and goat farming (1124)farms	-	1
			Aquaculture and other animal production (1125, 1129) (see text)farms	32	35

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