

**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	840	372	Renewable energy producing systems - Con.		
Solar panels .....farms	590	200	Small hydro systems .....farms	14	5
Wind turbines .....farms	23	15	Biodiesel production systems (see text) .....farms	24	79
Methane digesters .....farms	2	7	Ethanol production systems (see text) .....farms	27	23
Geothermal/geoexchange systems (see text) .....farms	209	62	Other .....farms	-	-
			Wind rights leased to others .....farms	58	20

**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	50	41	Market value of agricultural products sold (see text) - Con.		
Land in farms ..... acres	66,865	55,503	Crops, including nursery and greenhouse crops ..... \$1,000	12,721	14,583
Average size of farm ..... acres	1,337	1,354	Livestock, poultry, and their products ..... \$1,000	14,026	11,004
Estimated market value of land and buildings .....\$1,000	211,430	152,574	Total farm production expenses ..... \$1,000	25,428	20,757
Average per farm ..... dollars	4,228,600	3,721,307	Average per farm ..... dollars	508,561	506,277
Average per acre ..... dollars	3,162	2,749	Government payments <sup>1</sup> (see text) ..... farms	13	8
Estimated market value of all machinery and equipment .....\$1,000	27,267	17,476	..... \$1,000	644	168
Land in farms according to use:			Average per farm ..... dollars	49,509	21,050
Total cropland .....farms	35	26	Total income from farm-related sources ..... farms	11	15
..... acres	30,211	26,954	..... \$1,000	269	150
Harvested cropland .....farms	33	23	Average per farm ..... dollars	24,474	9,979
..... acres	23,710	23,759	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvements .....farms	4	7	Full owners ..... farms	42	35
..... acres	753	432	Part owners ..... farms	6	5
Other cropland .....farms	14	9	Tenants ..... farms	2	1
..... acres	5,748	2,763	Farms by North American Industry Classification System:		
Total woodland .....farms	19	18	Oilseed and grain farming (1111) ..... farms	12	9
..... acres	19,602	15,733	Vegetable and melon farming (1112) ..... farms	1	2
Woodland pastured .....farms	3	8	Fruit and tree nut farming (1113) ..... farms	-	-
..... acres	81	130	Greenhouse, nursery, and floriculture production (1114) ..... farms	-	-
Woodland not pastured .....farms	18	15	Other crop farming (1119) ..... farms	5	4
..... acres	19,521	15,603	Tobacco farming (11191) ..... farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured .....farms	22	18	Cotton farming (11192) ..... farms	-	-
..... acres	11,729	9,412	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	5	4
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. ....farms	40	33	Beef cattle ranching and farming (11211) ..... farms	16	9
..... acres	5,323	3,404	Cattle feedlots (11212) ..... farms	-	-
Irrigated land .....farms	20	15	Dairy cattle and milk production (11212) ..... farms	-	1
..... acres	15,316	15,838	Hog and pig farming (1122) ..... farms	1	1
Market value of agricultural products sold (see text) .....\$1,000	26,747	25,587	Poultry and egg production (1123) ..... farms	2	2
Average per farm ..... dollars	534,932	624,071	Sheep and goat farming (1124) ..... farms	-	-
			Aquaculture and other animal production (1125, 1129) (see text) ..... farms	13	13

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