

**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	616	271	Renewable energy producing systems - Con.		
Solar panels ..... farms	466	216	Small hydro systems ..... farms	11	1
Wind turbines ..... farms	26	30	Biodiesel production systems (see text) ..... farms	7	31
Methane digesters ..... farms	3	-	Ethanol production systems (see text) ..... farms	11	-
Geothermal/geoexchange systems (see text) ..... farms	48	8	Other ..... farms	108	17
			Wind rights leased to others ..... farms	-	1

**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	42	43	Market value of agricultural products sold (see text) - Con.		
Land in farms ..... acres	10,723	17,773	Crops, including nursery and greenhouse crops ..... \$1,000	939	1,151
Average size of farm ..... acres	255	413	Livestock, poultry, and their products ..... \$1,000	4,050	3,906
Estimated market value of land and buildings ..... \$1,000	67,356	42,325	Total farm production expenses ..... \$1,000	4,766	6,612
Average per farm ..... dollars	1,603,724	984,311	Average per farm ..... dollars	113,465	153,765
Average per acre ..... dollars	6,281	2,381	Government payments <sup>1</sup> (see text) ..... farms	3	4
Estimated market value of all machinery and equipment ..... \$1,000	5,892	5,640	..... \$1,000	20	5
Land in farms according to use:			Average per farm ..... dollars	6,657	1,204
Total cropland ..... farms	26	32	Total income from farm-related sources ..... farms	10	19
..... acres	1,957	2,232	..... \$1,000	323	566
Harvested cropland ..... farms	24	30	Average per farm ..... dollars	32,334	29,806
..... acres	1,463	1,932	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	2	1	Full owners ..... farms	29	36
..... acres	(D)	(D)	Part owners ..... farms	5	5
Other cropland ..... farms	10	7	Tenants ..... farms	8	2
..... acres	(D)	(D)	Farms by North American Industry Classification System:		
Total woodland ..... farms	25	27	Oilseed and grain farming (1111) ..... farms	-	-
..... acres	7,720	14,261	Vegetable and melon farming (1112) ..... farms	3	6
Woodland pastured ..... farms	1	3	Fruit and tree nut farming (1113) ..... farms	-	1
..... acres	(D)	430	Greenhouse, nursery, and floriculture production (1114) ..... farms	9	7
Woodland not pastured ..... farms	25	24	Other crop farming (1119) ..... farms	6	13
..... acres	(D)	13,831	Tobacco farming (11191) ..... farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	10	15	Cotton farming (11192) ..... farms	-	-
..... acres	196	388	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	6	13
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	33	26	Beef cattle ranching and farming (112111) ..... farms	2	-
..... acres	850	892	Cattle feedlots (112112) ..... farms	-	-
Irrigated land ..... farms	9	17	Dairy cattle and milk production (11212) ..... farms	5	6
..... acres	24	60	Hog and pig farming (1122) ..... farms	-	-
Market value of agricultural products sold (see text) ..... \$1,000	4,988	5,056	Poultry and egg production (1123) ..... farms	-	-
Average per farm ..... dollars	118,767	117,590	Sheep and goat farming (1124) ..... farms	3	-
			Aquaculture and other animal production (1125, 1129) (see text) ..... farms	14	10

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