

**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	1,435	465	Renewable energy producing systems - Con.		
Solar panels ..... farms	1,333	392	Small hydro systems ..... farms	-	-
Wind turbines ..... farms	55	59	Biodiesel production systems (see text) ..... farms	13	17
Methane digesters ..... farms	6	1	Ethanol production systems (see text) ..... farms	16	-
Geothermal/geoexchange systems (see text) ..... farms	58	18	Other ..... farms	70	15
			Wind rights leased to others ..... farms	9	8

**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	53	48	Market value of agricultural products sold (see text) - Con.		
Land in farms ..... acres	6,912	7,638	Crops, including nursery and greenhouse crops ..... \$1,000	2,005	1,181
Average size of farm ..... acres	130	159	Livestock, poultry, and their products ..... \$1,000	8,365	6,154
Estimated market value of land and buildings ..... \$1,000	75,893	82,106	Total farm production expenses ..... \$1,000	10,319	8,771
Average per farm ..... dollars	1,431,950	1,710,534	Average per farm ..... dollars	194,705	182,735
Average per acre ..... dollars	10,980	10,750	Government payments <sup>1</sup> (see text) ..... farms	4	1
Estimated market value of all machinery and equipment ..... \$1,000	5,950	5,116	..... \$1,000	19	(D)
Land in farms according to use:			Average per farm ..... dollars	4,781	(D)
Total cropland ..... farms	37	29	Total income from farm-related sources ..... farms	13	12
Harvested cropland ..... farms	35	24	..... \$1,000	312	74
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	6	7	Average per farm ..... dollars	24,012	6,139
..... acres	368	167	Tenure of producer (see text):		
Other cropland ..... farms	11	6	Full owners ..... farms	35	36
..... acres	208	93	Part owners ..... farms	9	6
Total woodland ..... farms	21	24	Tenants ..... farms	9	6
Woodland pastured ..... farms	7	7	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	17	21	Oilseed and grain farming (1111) ..... farms	-	-
..... acres	2,192	3,134	Vegetable and melon farming (1112) ..... farms	12	4
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	19	18	Fruit and tree nut farming (1113) ..... farms	7	3
..... acres	491	341	Greenhouse, nursery, and floriculture production (1114) ..... farms	5	5
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	40	38	Other crop farming (1119) ..... farms	4	7
Irrigated land ..... farms	23	16	Tobacco farming (11191) ..... farms	-	-
..... acres	140	112	Cotton farming (11192) ..... farms	-	-
Market value of agricultural products sold (see text) ..... \$1,000	10,371	7,334	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	4	7
Average per farm ..... dollars	195,672	152,801	Beef cattle ranching and farming (112111) ..... farms	2	2
			Cattle feedlots (112112) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	3	1
			Hog and pig farming (1122) ..... farms	-	2
			Poultry and egg production (1123) ..... farms	4	5
			Sheep and goat farming (1124) ..... farms	2	3
			Aquaculture and other animal production (1125, 1129) (see text) ..... farms	14	16

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