

**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	666	279	Renewable energy producing systems - Con.		
Solar panels ..... farms	583	221	Small hydro systems ..... farms	5	3
Wind turbines ..... farms	24	11	Biodiesel production systems (see text) ..... farms	3	13
Methane digesters ..... farms	2	2	Ethanol production systems (see text) ..... farms	10	6
Geothermal/geoexchange systems (see text) ..... farms	63	34	Other ..... farms	6	3
			Wind rights leased to others ..... farms	10	-

**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	44	37	Market value of agricultural products sold (see text) - Con.		
Land in farms ..... acres	7,212	9,349	Crops, including nursery and greenhouse crops ..... \$1,000	444	723
Average size of farm ..... acres	164	253	Livestock, poultry, and their products ..... \$1,000	4,467	12,586
Estimated market value of land and buildings ..... \$1,000	55,109	75,132	Total farm production expenses ..... \$1,000	7,582	10,757
Average per farm ..... dollars	1,252,474	2,030,607	Average per farm ..... dollars	172,322	290,732
Average per acre ..... dollars	7,641	8,036	Government payments <sup>1</sup> (see text) ..... farms	1	3
Estimated market value of all machinery and equipment ..... \$1,000	3,718	2,945	..... \$1,000	(D)	(D)
Land in farms according to use:			Average per farm ..... dollars	(D)	(D)
Total cropland ..... farms	23	30	Total income from farm-related sources ..... farms	10	8
Harvested cropland ..... farms	21	26	..... \$1,000	156	1,188
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	5	2	Average per farm ..... dollars	15,612	148,478
..... acres	439	(D)	Tenure of producer (see text):		
Other cropland ..... farms	7	6	Full owners ..... farms	38	31
..... acres	16	435	Part owners ..... farms	1	1
Total woodland ..... farms	17	15	Tenants ..... farms	5	5
Woodland pastured ..... farms	8	1	Farms by North American Industry Classification System:		
Woodland not pastured ..... farms	14	15	Oilseed and grain farming (1111) ..... farms	-	-
..... acres	3,682	(D)	Vegetable and melon farming (1112) ..... farms	4	2
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	11	9	Fruit and tree nut farming (1113) ..... farms	-	1
..... acres	583	242	Greenhouse, nursery, and floriculture production (1114) ..... farms	12	16
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	28	19	Other crop farming (1119) ..... farms	9	6
Irrigated land ..... farms	12	20	Tobacco farming (11191) ..... farms	-	-
..... acres	14	31	Cotton farming (11192) ..... farms	-	-
Market value of agricultural products sold (see text) ..... \$1,000	4,911	13,309	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) ..... farms	9	6
Average per farm ..... dollars	111,617	359,694	Beef cattle ranching and farming (112111) ..... farms	-	1
			Cattle feedlots (112112) ..... farms	-	-
			Dairy cattle and milk production (11212) ..... farms	1	1
			Hog and pig farming (1122) ..... farms	-	-
			Poultry and egg production (1123) ..... farms	1	2
			Sheep and goat farming (1124) ..... farms	4	1
			Aquaculture and other animal production (1125, 1129) (see text) ..... farms	13	7

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