

**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	131	63	Renewable energy producing systems - Con.		
Solar panels .....farms	108	33	Small hydro systems ..... farms	3	-
Wind turbines .....farms	5	4	Biodiesel production systems (see text) ..... farms	-	3
Methane digesters .....farms	-	-	Ethanol production systems (see text) ..... farms	-	-
Geothermal/geoexchange systems (see text) .....farms	3	9	Other .....farms	23	6
			Wind rights leased to others .....farms	2	4

**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	15	10	Market value of agricultural products sold (see text) - Con.		
Land in farms ..... acres	3,724	3,578	Crops, including nursery and greenhouse crops ..... \$1,000	(D)	(D)
Average size of farm ..... acres	248	358	Livestock, poultry, and their products ..... \$1,000	(D)	582
Estimated market value of land and buildings .....\$1,000	64,454	34,142	Total farm production expenses ..... \$1,000	4,935	2,923
Average per farm ..... dollars	4,296,923	3,414,218	Average per farm ..... dollars	329,016	292,276
Average per acre ..... dollars	17,308	9,542	Government payments <sup>1</sup> (see text) ..... farms	1	1
Estimated market value of all machinery and equipment .....\$1,000	3,008	2,550	..... \$1,000	(D)	(D)
Land in farms according to use:			Average per farm ..... dollars	(D)	(D)
Total cropland .....farms	10	6	Total income from farm-related sources ..... farms	7	4
..... acres	652	(D)	..... \$1,000	225	(D)
Harvested cropland .....farms	8	5	Average per farm ..... dollars	32,203	(D)
..... acres	(D)	(D)	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	10	8
..... acres	(D)	(D)	Part owners ..... farms	1	1
Other cropland .....farms	3	1	Tenants ..... farms	4	1
..... acres	(D)	(D)	Farms by North American Industry Classification System:		
Total woodland .....farms	8	4	Oilseed and grain farming (1111) ..... farms	-	-
..... acres	(D)	(D)	Vegetable and melon farming (1112) ..... farms	2	1
Woodland pastured .....farms	1	-	Fruit and tree nut farming (1113) ..... farms	-	-
..... acres	(D)	-	Greenhouse, nursery, and floriculture production (1114) ..... farms	2	1
Woodland not pastured .....farms	7	4	Other crop farming (1119) ..... farms	4	1
..... acres	(D)	(D)	Tobacco farming (1191) ..... farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured .....farms	2	3	Cotton farming (1192) ..... farms	-	-
..... acres	(D)	152	Sugarcane farming, hay farming, and all other crop farming (1193, 1194, 1199) ..... farms	4	1
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. ....farms	14	5	Beef cattle ranching and farming (11211) ..... farms	1	2
..... acres	531	190	Cattle feedlots (11212) ..... farms	-	-
Irrigated land .....farms	4	2	Dairy cattle and milk production (11212) ..... farms	-	-
..... acres	(D)	(D)	Hog and pig farming (1122) ..... farms	-	-
Market value of agricultural products sold (see text) .....\$1,000	7,005	(D)	Poultry and egg production (1123) ..... farms	-	-
Average per farm ..... dollars	467,008	(D)	Sheep and goat farming (1124) ..... farms	-	-
			Aquaculture and other animal production (1125, 1129) (see text) ..... farms	6	5

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