

**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	772	371	Renewable energy producing systems - Con.		
Solar panels .....farms	555	235	Small hydro systems .....farms	13	20
Wind turbines .....farms	33	15	Biodiesel production systems (see text) .....farms	13	52
Methane digesters .....farms	5	-	Ethanol production systems (see text) .....farms	30	42
Geothermal/geoexchange systems (see text) .....farms	89	43	Other .....farms	90	17
			Wind rights leased to others .....farms	62	15

**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	57	53	Market value of agricultural products sold (see text) - Con.		
Land in farms ..... acres	32,675	36,156	Crops, including nursery and greenhouse crops ..... \$1,000	1,803	2,127
Average size of farm ..... acres	573	682	Livestock, poultry, and their products ..... \$1,000	2,675	2,262
Estimated market value of land and buildings .....\$1,000	95,196	88,284	Total farm production expenses ..... \$1,000	8,284	10,976
Average per farm ..... dollars	1,670,111	1,665,737	Average per farm ..... dollars	145,341	207,089
Average per acre ..... dollars	2,913	2,442	Government payments <sup>1</sup> (see text) ..... farms	6	15
Estimated market value of all machinery and equipment .....\$1,000	8,629	10,208	..... \$1,000	29	66
Land in farms according to use:			Average per farm ..... dollars	4,762	4,409
Total cropland .....farms	32	35	Total income from farm-related sources ..... farms	18	18
Harvested cropland .....farms	30	28	..... \$1,000	262	205
Other pasture and grazing land that could have been used for crops without additional improvements .....farms	4	3	Average per farm ..... dollars	14,550	11,361
..... acres	488	(D)	Tenure of producer (see text):		
Other cropland .....farms	8	12	Full owners .....farms	49	46
..... acres	1,607	(D)	Part owners .....farms	1	4
Total woodland .....farms	29	32	Tenants .....farms	7	3
Woodland pastured .....farms	11	4	Farms by North American Industry Classification System:		
..... acres	58	46	Oilseed and grain farming (1111) .....farms	2	2
Woodland not pastured .....farms	26	31	Vegetable and melon farming (1112) .....farms	4	3
..... acres	9,968	17,309	Fruit and tree nut farming (1113) .....farms	1	2
Permanent pasture and rangeland other than cropland and woodland pastured .....farms	25	19	Greenhouse, nursery, and floriculture production (1114) .....farms	6	8
..... acres	3,608	3,869	Other crop farming (1119) .....farms	18	19
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. ....farms	44	38	Tobacco farming (11191) .....farms	-	-
..... acres	13,205	9,107	Cotton farming (11192) .....farms	2	1
Irrigated land .....farms	21	23	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) .....farms	16	18
..... acres	450	477	Beef cattle ranching and farming (11211) .....farms	2	6
Market value of agricultural products sold (see text) .....\$1,000	4,478	4,389	Cattle feedlots (11212) .....farms	-	-
Average per farm ..... dollars	78,569	82,813	Dairy cattle and milk production (11212) .....farms	1	1
			Hog and pig farming (1122) .....farms	3	-
			Poultry and egg production (1123) .....farms	3	2
			Sheep and goat farming (1124) .....farms	3	1
			Aquaculture and other animal production (1125, 1129) (see text) .....farms	14	9

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