

**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	1,277	507	Renewable energy producing systems - Con.		
Solar panels ..... farms	1,081	425	Small hydro systems ..... farms	31	20
Wind turbines ..... farms	97	90	Biodiesel production systems (see text) ..... farms	8	12
Methane digesters ..... farms	7	5	Ethanol production systems (see text) ..... farms	2	2
Geothermal/geoexchange systems (see text) ..... farms	115	40	Other ..... farms	45	6
			Wind rights leased to others ..... farms	35	24

**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	79	78	Market value of agricultural products sold (see text) - Con.		
Land in farms ..... acres	4,254,412	4,282,151	Crops, including nursery and greenhouse crops ..... \$1,000	12,463	22,004
Average size of farm ..... acres	53,853	54,899	Livestock, poultry, and their products ..... \$1,000	43,467	55,297
Estimated market value of land and buildings ..... \$1,000	1,149,926	1,066,197	Total farm production expenses ..... \$1,000	41,821	57,702
Average per farm ..... dollars	14,556,027	13,669,194	Average per farm ..... dollars	529,379	739,767
Average per acre ..... dollars	270	249	Government payments <sup>1</sup> (see text) ..... farms	7	7
Estimated market value of all machinery and equipment ..... \$1,000	31,361	39,177	..... \$1,000	110	136
Land in farms according to use:			Average per farm ..... dollars	15,729	19,435
Total cropland ..... farms	46	40	Total income from farm-related sources ..... farms	32	31
..... acres	37,510	37,176	..... \$1,000	4,832	1,457
Harvested cropland ..... farms	37	37	Average per farm ..... dollars	150,997	46,984
..... acres	27,047	30,023	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvements ..... farms	1	2	Full owners ..... farms	69	69
..... acres	(D)	(D)	Part owners ..... farms	8	9
Other cropland ..... farms	20	12	Tenants ..... farms	2	-
..... acres	(D)	(D)	Farms by North American Industry Classification System:		
Total woodland ..... farms	5	3	Oilseed and grain farming (1111) ..... farms	7	7
..... acres	(D)	(D)	Vegetable and melon farming (1112) ..... farms	7	-
Woodland pastured ..... farms	-	1	Fruit and tree nut farming (1113) ..... farms	1	3
..... acres	(D)	(D)	Greenhouse, nursery, and floriculture production (1114) ..... farms	1	1
Woodland not pastured ..... farms	5	2	Other crop farming (1119) ..... farms	21	18
..... acres	(D)	(D)	Tobacco farming (1191) ..... farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured ..... farms	37	48	Cotton farming (1192) ..... farms	-	-
..... acres	4,163,333	4,181,768	Sugarcane farming, hay farming, and all other crop farming (1193, 1194, 1199) ..... farms	21	18
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. .... farms	41	39	Beef cattle ranching and farming (112111) ..... farms	10	15
..... acres	(D)	(D)	Cattle feedlots (112112) ..... farms	1	1
Irrigated land ..... farms	37	34	Dairy cattle and milk production (11212) ..... farms	2	2
..... acres	22,074	33,704	Hog and pig farming (1122) ..... farms	-	1
Market value of agricultural products sold (see text) ..... \$1,000	55,930	77,302	Poultry and egg production (1123) ..... farms	1	2
Average per farm ..... dollars	707,979	991,050	Sheep and goat farming (1124) ..... farms	-	-
			Aquaculture and other animal production (1125, 1129) (see text) ..... farms	28	28

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