

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 systemsfarms	2,730	868	Renewable energy producing systems - Con.		
Solar panelsfarms	1,778	575	Small hydro systemsfarms	11	4
Wind turbinesfarms	363	117	Biodiesel production systems (see text)farms	-	-
Methane digestersfarms	2	4	Ethanol production systems (see text)farms	1	-
Geothermal/geoexchange systems (see text)farms	759	211	Otherfarms	22	8
			Wind rights leased to othersfarms	800	262

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	93	79	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	272,480	276,203	Crops, including nursery and greenhouse crops \$1,000	10,603	12,510
Average size of farm acres	2,930	3,496	Livestock, poultry, and their products \$1,000	20,384	21,140
Estimated market value of land and buildings\$1,000	494,771	360,654	Total farm production expenses \$1,000	35,170	35,408
Average per farm dollars	5,320,116	4,565,237	Average per farm dollars	378,175	448,200
Average per acre dollars	1,816	1,306	Government payments ¹ (see text) farms	39	36
Estimated market value of all machinery and equipment\$1,000	27,010	23,430 \$1,000	984	596
Land in farms according to use:			Average per farm dollars	25,235	16,542
Total croplandfarms	65	57	Total income from farm-related sources farms	42	31
Harvested croplandfarms	55	45 \$1,000	3,014	2,562
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	6	3	Average per farm dollars	71,753	82,640
..... acres	3,353	(D)	Tenure of producer (see text):		
Other croplandfarms	36	23	Full owners farms	72	66
..... acres	4,935	(D)	Part owners farms	16	5
Total woodlandfarms	19	15	Tenants farms	5	8
Woodland pasturedfarms	6	4	Farms by North American Industry Classification System:		
..... acres	158	161	Oilseed and grain farming (1111) farms	28	17
Woodland not pasturedfarms	13	11	Vegetable and melon farming (1112) farms	-	1
..... acres	9,679	(D)	Fruit and tree nut farming (1113) farms	-	1
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	45	38	Greenhouse, nursery, and floriculture production (1114) farms	2	3
..... acres	(D)	235,103	Other crop farming (1119) farms	21	22
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	60	48	Tobacco farming (11191) farms	-	-
..... acres	(D)	(D)	Cotton farming (11192) farms	-	-
Irrigated landfarms	22	19	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	21	22
..... acres	10,946	11,377	Beef cattle ranching and farming (11211) farms	11	10
Market value of agricultural products sold (see text)\$1,000	30,987	33,650	Cattle feedlots (11212) farms	3	4
Average per farm dollars	333,197	425,956	Dairy cattle and milk production (11212) farms	1	-
			Hog and pig farming (1122) farms	3	1
			Poultry and egg production (1123) farms	4	1
			Sheep and goat farming (1124) farms	-	-
			Aquaculture and other animal production (1125, 1129) (see text) farms	20	19

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