

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	7,057	2,463	Renewable energy producing systems - Con.		
Solar panelsfarms	2,050	406	Small hydro systemsfarms	15	18
Wind turbinesfarms	1,500	916	Biodiesel production systems (see text)farms	-	1
Methane digestersfarms	4	2	Ethanol production systems (see text)farms	1	1
Geothermal/geoexchange systems (see text)farms	3,978	1,172	Otherfarms	21	13
			Wind rights leased to othersfarms	2,070	899

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	148	147	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	52,497	39,282	Crops, including nursery and greenhouse crops \$1,000	17,135	18,414
Average size of farm acres	355	267	Livestock, poultry, and their products \$1,000	15,713	24,196
Estimated market value of land and buildings\$1,000	612,378	278,068	Total farm production expenses \$1,000	39,456	55,884
Average per farm dollars	4,137,691	1,891,621	Average per farm dollars	266,594	380,161
Average per acre dollars	11,665	7,079	Government payments ¹ (see text) farms	43	43
Estimated market value of all machinery and equipment\$1,000	35,932	25,157 \$1,000	544	286
Land in farms according to use:			Average per farm dollars	12,660	6,656
Total croplandfarms	133	128	Total income from farm-related sources farms	47	49
..... acres	36,411	24,323 \$1,000	3,386	2,592
Harvested croplandfarms	123	105	Average per farm dollars	72,049	52,903
..... acres	30,748	21,320	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	16	6	Full ownersfarms	83	91
..... acres	2,199	227	Part ownersfarms	28	21
Other croplandfarms	41	43	Tenantsfarms	37	35
..... acres	3,464	2,776	Farms by North American Industry Classification System:		
Total woodlandfarms	35	30	Oilseed and grain farming (1111)farms	87	78
..... acres	5,473	5,335	Vegetable and melon farming (1112)farms	5	4
Woodland pasturedfarms	12	7	Fruit and tree nut farming (1113)farms	-	-
..... acres	1,082	1,255	Greenhouse, nursery, and floriculture production (1114)farms	3	4
Woodland not pasturedfarms	30	28	Other crop farming (1119)farms	15	31
..... acres	4,391	4,080	Tobacco farming (11191)farms	-	-
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	30	29	Cotton farming (11192)farms	-	-
..... acres	5,571	4,559	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)farms	15	31
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	75	81	Beef cattle ranching and farming (11211)farms	10	4
..... acres	5,042	5,065	Cattle feedlots (11212)farms	4	6
Irrigated landfarms	15	16	Dairy cattle and milk production (11212)farms	1	1
..... acres	440	200	Hog and pig farming (1122)farms	3	4
Market value of agricultural products sold (see text)\$1,000	32,848	42,609	Poultry and egg production (1123)farms	-	-
Average per farm dollars	221,945	289,860	Sheep and goat farming (1124)farms	-	1
			Aquaculture and other animal production (1125, 1129) (see text)farms	20	14

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