

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	1,421	768	Renewable energy producing systems - Con.		
Solar panelsfarms	1,245	647	Small hydro systemsfarms	5	11
Wind turbinesfarms	158	147	Biodiesel production systems (see text)farms	11	12
Methane digestersfarms	4	9	Ethanol production systems (see text)farms	11	5
Geothermal/geoexchange systems (see text)farms	73	17	Otherfarms	61	22
			Wind rights leased to othersfarms	139	85

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	118	78	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	2,307,104	2,173,737	Crops, including nursery and greenhouse crops \$1,000	510	1,111
Average size of farm acres	19,552	27,868	Livestock, poultry, and their products \$1,000	9,096	15,297
Estimated market value of land and buildings\$1,000	891,794	860,079	Total farm production expenses \$1,000	12,234	18,043
Average per farm dollars	7,557,580	11,026,651	Average per farm dollars	103,676	231,324
Average per acre dollars	387	396	Government payments ¹ (see text) farms	7	1
Estimated market value of all machinery and equipment\$1,000	14,641	11,697 \$1,000	79	(D)
Land in farms according to use:			Average per farm dollars	11,237	(D)
Total croplandfarms	21	14	Total income from farm-related sources farms	27	24
..... acres	10,610	14,563 \$1,000	2,007	2,880
Harvested croplandfarms	16	12	Average per farm dollars	74,332	119,987
..... acres	5,123	(D)	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	7	5	Full owners farms	64	26
..... acres	(D)	(D)	Part owners farms	47	42
Other croplandfarms	5	4	Tenants farms	7	10
..... acres	(D)	3,048	Farms by North American Industry Classification System:		
Total woodlandfarms	10	5	Oilseed and grain farming (1111) farms	-	1
..... acres	8,255	(D)	Vegetable and melon farming (1112) farms	-	-
Woodland pasturedfarms	6	1	Fruit and tree nut farming (1113) farms	-	-
..... acres	6,806	(D)	Greenhouse, nursery, and floriculture production (1114) farms	-	-
Woodland not pasturedfarms	7	4	Other crop farming (1119) farms	15	3
..... acres	1,449	614	Tobacco farming (1191) farms	-	-
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	102	66	Cotton farming (1192) farms	-	-
..... acres	2,285,484	2,147,647	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	15	3
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	39	30	Beef cattle ranching and farming (11211) farms	18	18
..... acres	2,755	(D)	Cattle feedlots (11212) farms	1	-
Irrigated landfarms	19	14	Dairy cattle and milk production (11212) farms	-	-
..... acres	6,301	5,781	Hog and pig farming (1122) farms	-	-
Market value of agricultural products sold (see text)\$1,000	9,606	16,408	Poultry and egg production (1123) farms	-	-
Average per farm dollars	81,406	210,359	Sheep and goat farming (1124) farms	4	2
			Aquaculture and other animal production (1125, 1129) (see text) farms	80	54

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