

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	2,587	1,279	Renewable energy producing systems - Con.		
Solar panelsfarms	2,428	1,157	Small hydro systemsfarms	23	11
Wind turbinesfarms	186	107	Biodiesel production systems (see text)farms	10	20
Methane digestersfarms	-	1	Ethanol production systems (see text)farms	14	4
Geothermal/geoexchange systems (see text)farms	32	17	Otherfarms	43	75
			Wind rights leased to othersfarms	213	96

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	115	126	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	3,373,704	4,914,775	Crops, including nursery and greenhouse crops \$1,000	(D)	(D)
Average size of farm acres	29,337	39,006	Livestock, poultry, and their products \$1,000	(D)	(D)
Estimated market value of land and buildings\$1,000	832,745	1,235,735	Total farm production expenses \$1,000	40,385	44,799
Average per farm dollars	7,241,262	9,807,424	Average per farm dollars	351,178	355,551
Average per acre dollars	247	251	Government payments ¹ (see text) farms	8	13
Estimated market value of all machinery and equipment\$1,000	16,518	14,131 \$1,000	919	869
Land in farms according to use:			Average per farm dollars	114,865	66,833
Total croplandfarms	44	44	Total income from farm-related sources farms	14	13
Harvested croplandfarms	(D)	(D) \$1,000	(D)	6,272
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	9	10	Average per farm dollars	(D)	482,458
..... acres	685	2,678	Tenure of producer (see text):		
Other croplandfarms	19	18	Full owners farms	98	75
..... acres	22,379	8,225	Part owners farms	9	8
Total woodlandfarms	17	12	Tenants farms	8	43
Woodland pasturedfarms	12	9	Farms by North American Industry Classification System:		
Woodland not pasturedfarms	6	8	Oilseed and grain farming (1111) farms	3	2
..... acres	8,756	110,120	Vegetable and melon farming (1112) farms	8	13
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	80	90	Fruit and tree nut farming (1113) farms	5	2
..... acres	2,484,830	3,810,794	Greenhouse, nursery, and floriculture production (1114) farms	3	1
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	50	55	Other crop farming (1119) farms	19	21
..... acres	(D)	(D)	Tobacco farming (11191) farms	-	-
Irrigated landfarms	37	39	Cotton farming (11192) farms	-	-
..... acres	(D)	(D)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	19	21
Market value of agricultural products sold (see text)\$1,000	36,456	43,273	Beef cattle ranching and farming (11211) farms	19	28
Average per farm dollars	317,009	343,440	Cattle feedlots (11212) farms	-	1
			Dairy cattle and milk production (11212) farms	-	1
			Hog and pig farming (1122) farms	-	-
			Poultry and egg production (1123) farms	-	-
			Sheep and goat farming (1124) farms	2	6
			Aquaculture and other animal production (1125, 1129) (see text) farms	56	51

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