

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	2,845	1,401	Renewable energy producing systems - Con.		
Solar panelsfarms	2,441	1,141	Small hydro systemsfarms	58	41
Wind turbinesfarms	162	151	Biodiesel production systems (see text)farms	36	86
Methane digestersfarms	10	8	Ethanol production systems (see text)farms	7	22
Geothermal/geoexchange systems (see text)farms	332	95	Otherfarms	3	30
			Wind rights leased to othersfarms	142	160

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	101	83	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	1,052,444	1,040,234	Crops, including nursery and greenhouse crops \$1,000	3,842	3,130
Average size of farm acres	10,420	12,533	Livestock, poultry, and their products \$1,000	27,627	16,377
Estimated market value of land and buildings\$1,000	543,460	619,964	Total farm production expenses \$1,000	32,334	26,345
Average per farm dollars	5,380,793	7,469,449	Average per farm dollars	320,143	317,409
Average per acre dollars	516	596	Government payments ¹ (see text) farms	3	4
Estimated market value of all machinery and equipment\$1,000	19,935	12,555 \$1,000	(D)	320
Land in farms according to use:			Average per farm dollars	(D)	80,091
Total croplandfarms	50	41	Total income from farm-related sources farms	40	18
..... acres	18,340	31,739 \$1,000	606	531
Harvested croplandfarms	49	37	Average per farm dollars	15,146	29,498
..... acres	(D)	(D)	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	2	1	Full owners farms	73	71
..... acres	(D)	(D)	Part owners farms	11	7
Other croplandfarms	15	15	Tenants farms	17	5
..... acres	(D)	25,044	Farms by North American Industry Classification System:		
Total woodlandfarms	9	7	Oilseed and grain farming (1111) farms	3	5
..... acres	161,619	163,572	Vegetable and melon farming (1112) farms	4	3
Woodland pasturedfarms	3	5	Fruit and tree nut farming (1113) farms	8	6
..... acres	(D)	163,496	Greenhouse, nursery, and floriculture production (1114) farms	21	15
Woodland not pasturedfarms	6	3	Other crop farming (1119) farms	6	6
..... acres	(D)	76	Tobacco farming (11191) farms	-	-
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	23	18	Cotton farming (11192) farms	-	-
..... acres	850,372	(D)	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	6	6
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	70	60	Beef cattle ranching and farming (11211) farms	6	5
..... acres	22,113	(D)	Cattle feedlots (11212) farms	1	1
Irrigated landfarms	44	34	Dairy cattle and milk production (11212) farms	1	1
..... acres	3,455	2,745	Hog and pig farming (1122) farms	1	1
Market value of agricultural products sold (see text)\$1,000	31,469	19,507	Poultry and egg production (1123) farms	-	-
Average per farm dollars	311,579	235,021	Sheep and goat farming (1124) farms	-	-
			Aquaculture and other animal production (1125, 1129) (see text) farms	50	40

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