

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	3,283	1,379	Renewable energy producing systems - Con.		
Solar panelsfarms	2,493	815	Small hydro systemsfarms	51	35
Wind turbinesfarms	490	317	Biodiesel production systems (see text)farms	61	95
Methane digestersfarms	46	20	Ethanol production systems (see text)farms	35	32
Geothermal/geoexchange systems (see text)farms	306	123	Otherfarms	166	46
			Wind rights leased to othersfarms	519	279

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	78	93	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	37,032	35,440	Crops, including nursery and greenhouse crops \$1,000	3,669	4,341
Average size of farm acres	475	381	Livestock, poultry, and their products \$1,000	15,420	18,644
Estimated market value of land and buildings\$1,000	196,980	108,967	Total farm production expenses \$1,000	21,088	21,722
Average per farm dollars	2,525,390	1,171,689	Average per farm dollars	270,361	233,572
Average per acre dollars	5,319	3,075	Government payments ¹ (see text) farms	1	4
Estimated market value of all machinery and equipment\$1,000	14,786	25,719 \$1,000	(D)	(D)
Land in farms according to use:			Average per farm dollars	(D)	(D)
Total croplandfarms	48	63	Total income from farm-related sources farms	31	28
Harvested croplandfarms	46	57 \$1,000	2,217	885
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	3	10	Average per farm dollars	71,506	31,604
..... acres	276	987	Tenure of producer (see text):		
Other croplandfarms	29	27	Full owners farms	66	77
..... acres	12,611	1,930	Part owners farms	6	7
Total woodlandfarms	39	46	Tenants farms	6	9
Woodland pasturedfarms	7	4	Farms by North American Industry Classification System:		
..... acres	147	(D)	Oilseed and grain farming (1111) farms	5	7
Woodland not pasturedfarms	38	45	Vegetable and melon farming (1112) farms	12	13
..... acres	12,887	(D)	Fruit and tree nut farming (1113) farms	4	6
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	26	24	Greenhouse, nursery, and floriculture production (1114) farms	10	8
..... acres	1,567	3,093	Other crop farming (1119) farms	9	18
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	69	80	Tobacco farming (11191) farms	-	-
..... acres	4,747	7,836	Cotton farming (11192) farms	-	-
Irrigated landfarms	28	31	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	9	18
..... acres	308	293	Beef cattle ranching and farming (11211) farms	1	1
Market value of agricultural products sold (see text)\$1,000	19,088	22,985	Cattle feedlots (11212) farms	-	1
Average per farm dollars	244,723	247,149	Dairy cattle and milk production (11212) farms	7	6
			Hog and pig farming (1122) farms	-	-
			Poultry and egg production (1123) farms	-	-
			Sheep and goat farming (1124) farms	4	1
			Aquaculture and other animal production (1125, 1129) (see text) farms	26	32

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