

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	5,859	2,397	Renewable energy producing systems - Con.		
Solar panelsfarms	3,211	1,314	Small hydro systemsfarms	40	14
Wind turbinesfarms	541	425	Biodiesel production systems (see text)farms	161	282
Methane digestersfarms	46	9	Ethanol production systems (see text)farms	114	138
Geothermal/geoexchange systems (see text)farms	2,230	540	Otherfarms	25	20
			Wind rights leased to othersfarms	682	496

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	110	120	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	35,196	34,093	Crops, including nursery and greenhouse crops \$1,000	8,068	8,051
Average size of farm acres	320	284	Livestock, poultry, and their products \$1,000	4,980	5,973
Estimated market value of land and buildings\$1,000	216,677	197,427	Total farm production expenses \$1,000	15,068	22,918
Average per farm dollars	1,969,792	1,645,228	Average per farm dollars	136,984	190,986
Average per acre dollars	6,156	5,791	Government payments ¹ (see text) farms	27	37
Estimated market value of all machinery and equipment\$1,000	15,764	21,413 \$1,000	240	276
Land in farms according to use:			Average per farm dollars	8,903	7,447
Total croplandfarms	96	102	Total income from farm-related sources farms	28	31
..... acres	15,907	15,994 \$1,000	1,056	822
Harvested croplandfarms	93	87	Average per farm dollars	37,716	26,520
..... acres	14,492	14,302	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	7	7	Full owners farms	77	86
..... acres	480	623	Part owners farms	18	16
Other croplandfarms	18	22	Tenants farms	15	18
..... acres	935	1,069	Farms by North American Industry Classification System:		
Total woodlandfarms	28	24	Oilseed and grain farming (1111) farms	67	71
..... acres	7,537	7,635	Vegetable and melon farming (1112) farms	1	2
Woodland pasturedfarms	4	5	Fruit and tree nut farming (1113) farms	-	-
..... acres	559	491	Greenhouse, nursery, and floriculture production (1114) farms	6	5
Woodland not pasturedfarms	27	21	Other crop farming (1119) farms	19	28
..... acres	6,978	7,144	Tobacco farming (1191) farms	-	-
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	12	9	Cotton farming (1192) farms	-	-
..... acres	7,187	6,525	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	19	28
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	50	49	Beef cattle ranching and farming (11211) farms	2	4
..... acres	4,565	3,939	Cattle feedlots (11212) farms	-	-
Irrigated landfarms	13	17	Dairy cattle and milk production (11212) farms	2	3
..... acres	417	413	Hog and pig farming (1122) farms	-	-
Market value of agricultural products sold (see text)\$1,000	13,048	14,024	Poultry and egg production (1123) farms	1	1
Average per farm dollars	118,616	116,870	Sheep and goat farming (1124) farms	-	-
			Aquaculture and other animal production (1125, 1129) (see text) farms	12	6

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