

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	4,161	2,234	Renewable energy producing systems - Con.		
Solar panelsfarms	2,857	1,528	Small hydro systemsfarms	62	36
Wind turbinesfarms	204	176	Biodiesel production systems (see text)farms	91	138
Methane digestersfarms	56	37	Ethanol production systems (see text)farms	65	58
Geothermal/geoexchange systems (see text)farms	1,124	378	Otherfarms	154	34
			Wind rights leased to othersfarms	136	111

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	297	240	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	89,856	109,370	Crops, including nursery and greenhouse crops \$1,000	5,671	5,360
Average size of farm acres	303	456	Livestock, poultry, and their products \$1,000	23,015	28,417
Estimated market value of land and buildings\$1,000	437,961	191,445	Total farm production expenses \$1,000	43,015	42,061
Average per farm dollars	1,474,617	797,689	Average per farm dollars	144,832	175,255
Average per acre dollars	4,874	1,750	Government payments ¹ (see text) farms	12	11
Estimated market value of all machinery and equipment\$1,000	32,163	31,069 \$1,000	60	84
Land in farms according to use:			Average per farm dollars	5,030	7,656
Total croplandfarms	95	75	Total income from farm-related sources farms	70	75
..... acres	12,312	10,659 \$1,000	1,620	2,900
Harvested croplandfarms	82	55	Average per farm dollars	23,146	38,669
..... acres	7,504	5,539	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	9	15	Full owners farms	246	209
..... acres	323	2,096	Part owners farms	12	10
Other croplandfarms	41	32	Tenants farms	39	21
..... acres	4,485	3,024	Farms by North American Industry Classification System:		
Total woodlandfarms	81	58	Oilseed and grain farming (1111) farms	12	7
..... acres	64,420	88,015	Vegetable and melon farming (1112) farms	7	4
Woodland pasturedfarms	13	8	Fruit and tree nut farming (1113) farms	6	7
..... acres	196	192	Greenhouse, nursery, and floriculture production (1114) farms	17	17
Woodland not pasturedfarms	76	55	Other crop farming (1119) farms	35	17
..... acres	64,224	87,823	Tobacco farming (11191) farms	-	-
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	63	43	Cotton farming (11192) farms	-	-
..... acres	3,342	2,126	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	35	17
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	265	218	Beef cattle ranching and farming (11211) farms	7	5
..... acres	9,782	8,570	Cattle feedlots (11212) farms	1	-
Irrigated landfarms	41	31	Dairy cattle and milk production (11212) farms	5	6
..... acres	564	572	Hog and pig farming (1122) farms	-	1
Market value of agricultural products sold (see text)\$1,000	28,686	33,776	Poultry and egg production (1123) farms	4	7
Average per farm dollars	96,585	140,735	Sheep and goat farming (1124) farms	3	4
			Aquaculture and other animal production (1125, 1129) (see text) farms	200	165

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