

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	944	370	Renewable energy producing systems - Con.		
Solar panelsfarms	872	353	Small hydro systemsfarms	19	2
Wind turbinesfarms	10	7	Biodiesel production systems (see text)farms	17	1
Methane digestersfarms	-	1	Ethanol production systems (see text)farms	10	1
Geothermal/geoexchange systems (see text)farms	40	-	Otherfarms	-	-
			Wind rights leased to othersfarms	68	27

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	45	51	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	42,396	67,705	Crops, including nursery and greenhouse crops \$1,000	5,527	8,322
Average size of farm acres	942	1,328	Livestock, poultry, and their products \$1,000	6,653	9,543
Estimated market value of land and buildings\$1,000	94,904	201,890	Total farm production expenses \$1,000	10,176	14,448
Average per farm dollars	2,108,987	3,958,622	Average per farm dollars	226,133	283,288
Average per acre dollars	2,239	2,982	Government payments ¹ (see text) farms	2	8
Estimated market value of all machinery and equipment\$1,000	15,061	21,673 \$1,000	(D)	144
			Average per farm dollars	(D)	17,974
Land in farms according to use:			Total income from farm-related sources farms	16	11
Total croplandfarms	36	38 \$1,000	1,596	1,368
..... acres	19,363	18,188	Average per farm dollars	99,755	124,326
Harvested croplandfarms	32	33	Tenure of producer (see text):		
..... acres	(D)	15,996	Full owners farms	38	43
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	3	5	Part owners farms	6	7
..... acres	(D)	524	Tenants farms	1	1
Other croplandfarms	21	16	Farms by North American Industry Classification System:		
..... acres	9,552	1,668	Oilseed and grain farming (1111) farms	4	7
Total woodlandfarms	13	18	Vegetable and melon farming (1112) farms	3	3
..... acres	6,790	12,596	Fruit and tree nut farming (1113) farms	2	1
Woodland pasturedfarms	1	6	Greenhouse, nursery, and floriculture production (1114) farms	4	2
..... acres	(D)	2,086	Other crop farming (1119) farms	10	13
Woodland not pasturedfarms	13	16	Tobacco farming (11191) farms	-	-
..... acres	(D)	10,510	Cotton farming (11192) farms	-	-
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	20	28	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	10	13
..... acres	12,385	18,563	Beef cattle ranching and farming (11211) farms	8	8
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	31	40	Cattle feedlots (11212) farms	-	-
..... acres	3,858	18,358	Dairy cattle and milk production (11212) farms	1	4
Irrigated landfarms	15	12	Hog and pig farming (1122) farms	1	2
..... acres	654	1,725	Poultry and egg production (1123) farms	4	3
Market value of agricultural products sold (see text)\$1,000	12,180	17,865	Sheep and goat farming (1124) farms	1	2
Average per farm dollars	270,666	350,291	Aquaculture and other animal production (1125, 1129) (see text) farms	7	6

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