

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 systems farms	1,444	794	Renewable energy producing systems - Con.		
Solar panels farms	1,337	739	Small hydro systems farms	5	8
Wind turbines farms	135	135	Biodiesel production systems (see text) farms	12	17
Methane digesters farms	2	2	Ethanol production systems (see text) farms	8	3
Geothermal/geoexchange systems (see text) farms	7	3	Other farms	100	38
			Wind rights leased to others farms	25	18

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	105	80	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	12,104,730	19,807,495	Crops, including nursery and greenhouse crops \$1,000	78,720	80,450
Average size of farm acres	115,283	247,594	Livestock, poultry, and their products \$1,000	3,956	3,065
Estimated market value of land and buildings \$1,000	2,529,506	3,932,343	Total farm production expenses \$1,000	72,164	67,824
Average per farm dollars	24,090,535	49,154,291	Average per farm dollars	687,273	847,806
Average per acre dollars	209	199	Government payments ¹ (see text) farms	13	26
Estimated market value of all machinery and equipment \$1,000	33,241	23,865 \$1,000	1,509	2,577
Land in farms according to use:			Average per farm dollars	116,042	99,107
Total cropland farms	49	31	Total income from farm-related sources farms	29	19
..... acres	75,455	94,997 \$1,000	2,746	4,681
Harvested cropland farms	46	25	Average per farm dollars	94,692	246,359
..... acres	66,652	65,511	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvements farms	6	2	Full owners farms	88	55
..... acres	40	(D)	Part owners farms	9	2
Other cropland farms	20	19	Tenants farms	8	23
..... acres	8,763	(D)	Farms by North American Industry Classification System:		
Total woodland farms	5	2	Oilseed and grain farming (1111) farms	-	2
..... acres	(D)	(D)	Vegetable and melon farming (1112) farms	6	2
Woodland pastured farms	2	-	Fruit and tree nut farming (1113) farms	9	3
..... acres	(D)	-	Greenhouse, nursery, and floriculture production (1114) farms	1	-
Woodland not pastured farms	3	2	Other crop farming (1119) farms	18	17
..... acres	(D)	(D)	Tobacco farming (11191) farms	-	-
Permanent pasture and rangeland other than cropland and woodland pastured farms	55	52	Cotton farming (11192) farms	8	5
..... acres	10,066,763	17,912,943	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	10	12
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	57	57	Beef cattle ranching and farming (112111) farms	29	30
..... acres	(D)	(D)	Cattle feedlots (112112) farms	-	-
Irrigated land farms	46	27	Dairy cattle and milk production (11212) farms	-	-
..... acres	63,933	64,438	Hog and pig farming (1122) farms	9	1
Market value of agricultural products sold (see text) \$1,000	82,676	83,514	Poultry and egg production (1123) farms	-	-
Average per farm dollars	787,387	1,043,927	Sheep and goat farming (1124) farms	1	1
			Aquaculture and other animal production (1125, 1129) (see text) farms	32	24

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