

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	10,885	4,824	Renewable energy producing systems - Con.		
Solar panelsfarms	8,808	3,549	Small hydro systemsfarms	117	58
Wind turbinesfarms	2,027	1,143	Biodiesel production systems (see text)farms	62	98
Methane digestersfarms	24	10	Ethanol production systems (see text)farms	44	-
Geothermal/geoexchange systems (see text)farms	405	104	Otherfarms	15	251
			Wind rights leased to othersfarms	2,576	1,217

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	230	253	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	468,602	327,025	Crops, including nursery and greenhouse crops \$1,000	30,403	44,554
Average size of farm acres	2,037	1,293	Livestock, poultry, and their products \$1,000	112,215	47,807
Estimated market value of land and buildings\$1,000	1,042,722	1,261,963	Total farm production expenses \$1,000	108,620	88,998
Average per farm dollars	4,533,574	4,987,997	Average per farm dollars	472,262	351,771
Average per acre dollars	2,225	3,859	Government payments ¹ (see text) farms	28	20
Estimated market value of all machinery and equipment\$1,000	44,503	53,370 \$1,000	572	221
Land in farms according to use:			Average per farm dollars	20,418	11,070
Total croplandfarms	147	161	Total income from farm-related sources farms	83	73
..... acres	66,264	80,547 \$1,000	6,221	1,358
Harvested croplandfarms	123	131	Average per farm dollars	74,950	18,605
..... acres	47,527	59,713	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	24	33	Full owners farms	182	205
..... acres	4,959	9,747	Part owners farms	35	36
Other croplandfarms	71	52	Tenants farms	13	12
..... acres	13,778	11,087	Farms by North American Industry Classification System:		
Total woodlandfarms	38	45	Oilseed and grain farming (1111) farms	14	17
..... acres	13,687	14,167	Vegetable and melon farming (1112) farms	9	12
Woodland pasturedfarms	16	29	Fruit and tree nut farming (1113) farms	4	3
..... acres	2,283	5,733	Greenhouse, nursery, and floriculture production (1114) farms	12	21
Woodland not pasturedfarms	28	27	Other crop farming (1119) farms	53	48
..... acres	11,404	8,434	Tobacco farming (11191) farms	-	-
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	143	148	Cotton farming (11192) farms	8	7
..... acres	357,361	194,779	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	45	41
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	132	156	Beef cattle ranching and farming (112111) farms	70	44
..... acres	31,290	37,532	Cattle feedlots (112112) farms	4	1
Irrigated landfarms	75	72	Dairy cattle and milk production (11212) farms	-	-
..... acres	11,406	13,604	Hog and pig farming (1122) farms	12	12
Market value of agricultural products sold (see text)\$1,000	142,618	92,361	Poultry and egg production (1123) farms	4	1
Average per farm dollars	620,077	365,064	Sheep and goat farming (1124) farms	10	9
			Aquaculture and other animal production (1125, 1129) (see text) farms	38	85

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