

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	1,996	997	Renewable energy producing systems - Con.		
Solar panelsfarms	1,444	606	Small hydro systemsfarms	32	101
Wind turbinesfarms	76	80	Biodiesel production systems (see text)farms	82	162
Methane digestersfarms	6	53	Ethanol production systems (see text)farms	76	135
Geothermal/geoexchange systems (see text)farms	396	213	Otherfarms	51	17
			Wind rights leased to othersfarms	170	11

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	118	81	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	48,374	23,802	Crops, including nursery and greenhouse crops \$1,000	5,601	3,813
Average size of farm acres	410	294	Livestock, poultry, and their products \$1,000	9,313	7,200
Estimated market value of land and buildings\$1,000	184,668	156,827	Total farm production expenses \$1,000	21,811	10,668
Average per farm dollars	1,564,980	1,936,141	Average per farm dollars	184,840	131,699
Average per acre dollars	3,817	6,589	Government payments ¹ (see text) farms	11	5
Estimated market value of all machinery and equipment\$1,000	19,001	13,889 \$1,000	117	24
Land in farms according to use:			Average per farm dollars	10,608	4,765
Total croplandfarms	91	61	Total income from farm-related sources farms	30	32
..... acres	16,620	11,348 \$1,000	501	191
Harvested croplandfarms	86	58	Average per farm dollars	16,698	5,955
..... acres	13,275	8,292	Tenure of producer (see text):		
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	9	12	Full owners farms	89	63
..... acres	672	2,268	Part owners farms	20	9
Other croplandfarms	22	7	Tenants farms	9	9
..... acres	2,673	788	Farms by North American Industry Classification System:		
Total woodlandfarms	41	25	Oilseed and grain farming (1111) farms	10	4
..... acres	20,012	6,822	Vegetable and melon farming (1112) farms	4	1
Woodland pasturedfarms	10	5	Fruit and tree nut farming (1113) farms	5	1
..... acres	1,211	551	Greenhouse, nursery, and floriculture production (1114) farms	44	30
Woodland not pasturedfarms	38	25	Other crop farming (1119) farms	10	17
..... acres	18,801	6,271	Tobacco farming (11191) farms	-	3
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	52	29	Cotton farming (11192) farms	1	-
..... acres	6,796	4,439	Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199) farms	9	14
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	70	40	Beef cattle ranching and farming (112111) farms	14	7
..... acres	4,946	1,193	Cattle feedlots (112112) farms	-	-
Irrigated landfarms	54	42	Dairy cattle and milk production (11212) farms	5	5
..... acres	617	454	Hog and pig farming (1122) farms	2	-
Market value of agricultural products sold (see text)\$1,000	14,914	11,013	Poultry and egg production (1123) farms	3	-
Average per farm dollars	126,390	135,958	Sheep and goat farming (1124) farms	3	-
			Aquaculture and other animal production (1125, 1129) (see text) farms	18	16

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