

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	2,318	1,165	Renewable energy producing systems - Con.		
Solar panelsfarms	1,485	717	Small hydro systemsfarms	59	98
Wind turbinesfarms	87	104	Biodiesel production systems (see text)farms	60	168
Methane digestersfarms	44	62	Ethanol production systems (see text)farms	54	90
Geothermal/geoexchange systems (see text)farms	579	269	Otherfarms	263	26
			Wind rights leased to othersfarms	103	44

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
Farmsnumber	87	38	Market value of agricultural products sold (see text) - Con.		
Land in farmsacres	44,350	22,189	Crops, including nursery and greenhouse crops \$1,000	4,568	1,366
Average size of farmacres	510	584	Livestock, poultry, and their products \$1,000	30,994	17,912
Estimated market value of land and buildings\$1,000	374,829	93,514	Total farm production expenses \$1,000	29,607	16,395
Average per farmdollars	4,308,375	2,460,895	Average per farmdollars	340,307	431,453
Average per acredollars	8,452	4,214	Government payments ¹ (see text)farms	5	1
Estimated market value of all machinery and equipment\$1,000	18,946	7,546\$1,000	9	(D)
Land in farms according to use:			Average per farmdollars	1,880	(D)
Total croplandfarms	62	27	Total income from farm-related sourcesfarms	26	10
Harvested croplandfarms	58	25\$1,000	4,192	81
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	13	4	Average per farmdollars	161,241	8,140
Other croplandfarms	24	6	Tenure of producer (see text):		
Woodlandfarms	43	24	Full ownersfarms	65	32
Woodland pasturedfarms	10	8	Part ownersfarms	12	3
Woodland not pasturedfarms	41	21	Tenantsfarms	10	3
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	41	17	Farms by North American Industry Classification System:		
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	65	35	Oilseed and grain farming (1111)farms	3	2
Irrigated landfarms	17	8	Vegetable and melon farming (1112)farms	2	1
Market value of agricultural products sold (see text)\$1,000	35,563	19,278	Fruit and tree nut farming (1113)farms	-	-
Average per farmdollars	408,767	507,323	Greenhouse, nursery, and floriculture production (1114)farms	14	2
			Other crop farming (1119)farms	12	2
			Tobacco farming (1191)farms	-	-
			Cotton farming (1192)farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)farms	12	2
			Beef cattle ranching and farming (11211)farms	14	13
			Cattle feedlots (11212)farms	-	-
			Dairy cattle and milk production (11212)farms	1	1
			Hog and pig farming (1122)farms	1	1
			Poultry and egg production (1123)farms	-	2
			Sheep and goat farming (1124)farms	5	-
			Aquaculture and other animal production (1125, 1129) (see text)farms	35	14

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