

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	5,782	2,094	Renewable energy producing systems - Con.		
Solar panelsfarms	2,628	872	Small hydro systemsfarms	52	19
Wind turbinesfarms	363	251	Biodiesel production systems (see text)farms	128	279
Methane digestersfarms	27	10	Ethanol production systems (see text)farms	142	186
Geothermal/geoexchange systems (see text)farms	2,865	706	Otherfarms	51	28
			Wind rights leased to othersfarms	826	627

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	122	103	Market value of agricultural products sold (see text) - Con.		
Land in farms acres	26,435	39,622	Crops, including nursery and greenhouse crops \$1,000	2,106	6,886
Average size of farm acres	217	385	Livestock, poultry, and their products \$1,000	15,255	24,216
Estimated market value of land and buildings\$1,000	250,147	192,743	Total farm production expenses \$1,000	18,355	29,358
Average per farm dollars	2,050,383	1,871,294	Average per farm dollars	150,448	285,026
Average per acre dollars	9,463	4,865	Government payments ¹ (see text) farms	37	32
Estimated market value of all machinery and equipment\$1,000	14,480	14,406 \$1,000	125	172
Land in farms according to use:			Average per farm dollars	3,367	5,388
Total croplandfarms	99	84	Total income from farm-related sources farms	45	33
Harvested croplandfarms	73	56 \$1,000	1,841	758
Other pasture and grazing land that could have been used for crops without additional improvementsfarms	8	8	Average per farm dollars	40,913	22,976
Other croplandfarms	49	36	Tenure of producer (see text):		
Woodlandfarms	53	49	Full ownersfarms	99	81
Woodland pasturedfarms	3	11	Part ownersfarms	10	11
Woodland not pasturedfarms	52	47	Tenantsfarms	13	11
Permanent pasture and rangeland other than cropland and woodland pasturedfarms	36	34	Farms by North American Industry Classification System:		
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	84	62	Oilseed and grain farming (1111)	40	26
Irrigated landfarms	13	11	Vegetable and melon farming (1112)	3	3
Market value of agricultural products sold (see text)\$1,000	17,361	31,102	Fruit and tree nut farming (1113)	1	2
Average per farm dollars	142,303	301,961	Greenhouse, nursery, and floriculture production (1114)	4	3
			Other crop farming (1119)	42	40
			Tobacco farming (11191)	-	-
			Cotton farming (11192)	-	-
			Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	42	40
			Beef cattle ranching and farming (11211)	4	7
			Cattle feedlots (11212)	2	2
			Dairy cattle and milk production (11212)	1	5
			Hog and pig farming (1122)	1	-
			Poultry and egg production (1123)	1	-
			Sheep and goat farming (1124)	-	2
			Aquaculture and other animal production (1125, 1129) (see text)	23	13

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