

Table 49. Renewable Energy: 2022 and 2017

[For meaning of abbreviations and symbols, see introductory text.]

Item	2022	2017	Item	2022	2017
Renewable energy producing systems (see text) farms	1,919	1,810	Renewable energy producing systems (see text) - Con.		
Solar panels farms	1,649	1,364	Geothermal/geoexchange systems farms	279	320
Wind turbines farms	61	86	Small hydro systems farms	80	64
Methane digesters farms	18	21	Wind rights leased to others farms	99	111

Table 50. Institutional, Research, Experimental, and American Indian Reservation Farms: 2022 and 2017

[For meaning of abbreviations and symbols, see introductory text.]

Characteristics	2022	2017	Characteristics	2022	2017
Farms number	139	167	Market value of agricultural products sold - Con.		
Land in farms acres	69,418	44,362	Crops, including nursery and greenhouse crops \$1,000	15,550	9,747
Average size of farm acres	499	266	Livestock, poultry, and their products \$1,000	20,383	13,290
Estimated market value of land and buildings \$1,000	329,310	241,232	Total farm production expenses ¹ \$1,000	30,987	23,887
Average per farm dollars	2,369,135	1,444,502	Average per farm dollars	222,929	143,036
Average per acre dollars	4,744	5,438	Government payments farms	3	6
Estimated market value of all machinery and equipment \$1,000	32,996	26,001	Average per farm \$1,000	40	22
Land in farms according to use:			Average per farm dollars	13,361	3,736
Total cropland farms	102	114	Total income from farm-related sources farms	40	33
Harvested cropland acres	21,507	15,125	Average per farm \$1,000	1,283	1,420
Other pasture and grazing land that could have been used for crops without additional improvements farms	14	16	Tenure:		
Other cropland acres	1,033	1,734	Full owners farms	98	125
Other cropland acres	30	41	Part owners farms	27	27
Total woodland farms	70	84	Tenants farms	14	15
Woodland pastured farms	24,057	20,231	Farms by North American Industry Classification System:		
Woodland not pastured farms	16	29	Oilseed and grain farming (1111) farms	4	5
Woodland not pastured acres	1,021	645	Vegetable and melon farming (1112) farms	10	7
Permanent pasture and rangeland other than cropland and woodland pastured farms	57	75	Fruit and tree nut farming (1113) farms	10	6
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	100	113	Greenhouse, nursery, and floriculture production (1114) farms	32	48
Irrigated land farms	61	69	Other crop farming (1119) farms	23	20
Market value of agricultural products sold \$1,000	35,934	23,037	Tobacco farming (1191) farms	1	2
Average per farm dollars	258,515	137,944	Cotton farming (1192) farms	-	-
			Sugarcane farming, hay farming, and all other crop farming (1193, 11194, 11199) farms	22	18
			Beef cattle ranching and farming (112111) farms	6	3
			Cattle feedlots (112112) farms	3	1
			Dairy cattle and milk production (11212) farms	6	6
			Hog and pig farming (1122) farms	2	8
			Poultry and egg production (1123) farms	5	1
			Sheep and goat farming (1124) farms	1	5
			Aquaculture and other animal production (1125, 1129) farms	37	57

¹ Landlord production expenses are included within total farm production expenses.