Table 49. Renewable Energy: 2017 and 2012

<table>
<thead>
<tr>
<th>Item</th>
<th>2017</th>
<th>2012</th>
<th>Item</th>
<th>2017</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable energy producing systems</td>
<td>farms</td>
<td></td>
<td>Renewable energy producing systems - Con.</td>
<td>farms</td>
<td></td>
</tr>
<tr>
<td>Solar panels</td>
<td>197</td>
<td>78</td>
<td>Small hydro systems</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Wind turbines</td>
<td>114</td>
<td>65</td>
<td>Biodiesel production systems (see text)</td>
<td>8</td>
<td>2</td>
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<tr>
<td>Methane digesters</td>
<td>5</td>
<td>5</td>
<td>Ethanol production systems (see text)</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Geothermal/geoxchange</td>
<td>7</td>
<td>-</td>
<td>Other</td>
<td>9</td>
<td>-</td>
</tr>
<tr>
<td>systems (see text)</td>
<td>62</td>
<td>10</td>
<td>Wind rights leased to others</td>
<td>4</td>
<td>-</td>
</tr>
</tbody>
</table>

Table 50. Institutional, Research, Experimental, and American Indian Reservation Farms: 2017 and 2012

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Farms</td>
<td>15</td>
<td>13</td>
<td>Market value of agricultural products sold (see text) - Con.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land in farms</td>
<td>3,541</td>
<td>1,632</td>
<td>Crops, including nursery and greenhouse crops</td>
<td>$1,000</td>
<td>(D) 1,038</td>
</tr>
<tr>
<td>Average size of farm</td>
<td>236</td>
<td>126</td>
<td>Livestock, poultry, and their products</td>
<td>$1,000</td>
<td>(D) 1,117</td>
</tr>
<tr>
<td>Estimated market value of land and buildings</td>
<td>$1,000</td>
<td></td>
<td>Total farm production expenses</td>
<td>$1,000</td>
<td>1,676 (D)</td>
</tr>
<tr>
<td>Average per farm</td>
<td>1,853,416</td>
<td>2,233,993</td>
<td>Average per farm</td>
<td>dollars</td>
<td>111,741 (D)</td>
</tr>
<tr>
<td>Average per acre</td>
<td>7,724</td>
<td>17,795</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Estimated market value of all machinery and equipment</td>
<td>$1,000</td>
<td>2,381</td>
<td>Average per farm</td>
<td>$1,000</td>
<td>(D) (D)</td>
</tr>
<tr>
<td>Land in farms according to use:</td>
<td>1,093</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total cropland</td>
<td>12</td>
<td>12</td>
<td>Total income from farm-related sources</td>
<td>$1,000</td>
<td>(D) (D)</td>
</tr>
<tr>
<td>Harvested cropland</td>
<td>1,109</td>
<td>1,213</td>
<td>Average per farm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other pasture and grazing land that could have been used for crops without</td>
<td>10</td>
<td>10</td>
<td>Tenant of producer (see text):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>improvements</td>
<td>742</td>
<td>600</td>
<td>Part owners</td>
<td>14</td>
<td>13</td>
</tr>
<tr>
<td>Other cropland</td>
<td>2</td>
<td>3</td>
<td>Tenants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total woodland</td>
<td>12</td>
<td>12</td>
<td>Farms by North American Industry Classification System:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woodland pastured</td>
<td>10</td>
<td>10</td>
<td>Farms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woodland not pastured</td>
<td>4</td>
<td>5</td>
<td>Oliseed and grain farming (1111)</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Permanent pasture and rangeland other than cropland and woodland pastured</td>
<td>4</td>
<td>5</td>
<td>Vegetable and melon farming (1112)</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Land in farmsteads, homes, buildings, livestock facilities, ponds, vacant</td>
<td>6</td>
<td>7</td>
<td>Fruit and tree nut farming (1113)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irrigated land</td>
<td>10</td>
<td>10</td>
<td>Greenhouse, nursery, and floriculture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Market value of agricultural products sold (see text)</td>
<td>$1,000</td>
<td>1,647</td>
<td>Total production expenses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average per farm</td>
<td>100,824</td>
<td>165,763</td>
<td>Average per farm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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