For meaning of abbreviations and symbols, see introductory text.

Table 49. Renewable Energy: 2017 and 2012

<table>
<thead>
<tr>
<th>Item</th>
<th>2017</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable energy producing systems ................................. farms</td>
<td>5,859</td>
<td>2,397</td>
</tr>
<tr>
<td>Solar panels ..................................................................... farms</td>
<td>3,211</td>
<td>1,314</td>
</tr>
<tr>
<td>Wind turbines .................................................................... farms</td>
<td>541</td>
<td>425</td>
</tr>
<tr>
<td>Methane digesters ................................................................ farms</td>
<td>46</td>
<td>9</td>
</tr>
<tr>
<td>Geothermal/geoexchange systems (see text) ............................. farms</td>
<td>2,230</td>
<td>540</td>
</tr>
<tr>
<td>Other .............................................................................. farms</td>
<td>136,984</td>
<td>8,068</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>2017</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farms .............................. number</td>
<td>110</td>
<td>120</td>
</tr>
<tr>
<td>Land in farms .................. acres</td>
<td>35,196</td>
<td>34,013</td>
</tr>
<tr>
<td>Average size of farm .......... acres</td>
<td>320</td>
<td>284</td>
</tr>
<tr>
<td>Estimated market value of land and buildings ............... $1,000</td>
<td>216,677</td>
<td>197,427</td>
</tr>
<tr>
<td>Average per farm ................ dollars</td>
<td>1,969,792</td>
<td>1,645,228</td>
</tr>
<tr>
<td>Average per acre ................ dollars</td>
<td>6,156</td>
<td>5,791</td>
</tr>
<tr>
<td>Estimated market value of all machinery and equipment .... $1,000</td>
<td>15,764</td>
<td>21,413</td>
</tr>
<tr>
<td>Land in farms according to use:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total cropland ........................ farms</td>
<td>96</td>
<td>102</td>
</tr>
<tr>
<td>Harvested cropland ............... farms</td>
<td>15,907</td>
<td>15,994</td>
</tr>
<tr>
<td>Other pasture and grazing land that could have been used for crops without additional improvements .............................. farms</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Other cropland .................... acres</td>
<td>480</td>
<td>623</td>
</tr>
<tr>
<td>Total woodland .................... farms</td>
<td>28</td>
<td>24</td>
</tr>
<tr>
<td>Woodland pastured ................ farms</td>
<td>7,537</td>
<td>7,635</td>
</tr>
<tr>
<td>Other crop farming ................ farms</td>
<td>559</td>
<td>491</td>
</tr>
<tr>
<td>Permanent pasture and rangeland other than cropland and woodland pastured ................ farms</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. ...... farms</td>
<td>7,187</td>
<td>6,525</td>
</tr>
<tr>
<td>Irrigated land ........................ farms</td>
<td>4,565</td>
<td>3,939</td>
</tr>
<tr>
<td>Market value of agricultural products sold (see text) ........ $1,000</td>
<td>13,048</td>
<td>14,024</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>2017</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable energy producing systems - Con. ..................... farms</td>
<td>161</td>
<td>262</td>
</tr>
<tr>
<td>Small hydro systems .............................................. farms</td>
<td>114</td>
<td>138</td>
</tr>
<tr>
<td>Biodiesel production systems (see text) ....................... farms</td>
<td>25</td>
<td>20</td>
</tr>
<tr>
<td>Ethanol production systems (see text) .......................... farms</td>
<td>682</td>
<td>496</td>
</tr>
</tbody>
</table>

Characteristics | 2017 | 2012 |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Market value of agricultural products sold (see text) .... $1,000</td>
<td>13,048</td>
<td>14,024</td>
</tr>
<tr>
<td>Average per farm ................................ dollars</td>
<td>119,616</td>
<td>116,870</td>
</tr>
</tbody>
</table>

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