Mayo Highlights

Overall

- Only 6% of soils tested achieved good overall fertility in 2014.
- 23% of soils have a pH of greater than 6.2 (National 35%)
- Soil P and K have fallen steadily between 2007 and 2011 but have stabilised from 2011 to 2014
- 56% of samples were below optimum Soil P (Index 1 or 2).
- 31% of soils are at Very Low P levels (Index 1) in (16% in 2008).
- 55% of soils are at K index 1 or 2.

Enterprise

- 12% of dairy samples achieved good overall status
- 52% of dairy samples are either low or very low for P. In particular there has been a very steep increase in the % of Index 1 soils going from 10% in the 2008 to 30% in 2014.
- 57% of dairy samples are either low or very low for K
- 6% of drystock samples reach Good Overall Fertility
- 55% of drystock samples are either low or very low for P, which is similar to dairy.
- 55% of drystock are at index 1 or 2 for K
- Soil pH is lower for drystock samples with 24% exceeding pH 6.2 as opposed to 41% of dairy samples.
Soil Analysis Status and Trends

County: Mayo
Year: 2014
Enterprise: All Farms
Number of Samples: 2,106

Soil P Index
(Good Fertility - Index 3 & 4)

Soil K Index
(Good Fertility - Index 3 & 4)

Soil pH
(Good Fertility > pH 6.2)

Good Overall Fertility:
Soil pH > 6.2; Soil P and K Index 3 or 4

Trend in Soil P Index

Trend in Soil K Index

Trend in Soil pH

Good Overall Fertility -
Soil pH > 6.2; Soil P and K Index 3 or 4
Soil Analysis Status and Trends

<table>
<thead>
<tr>
<th>County</th>
<th>Mayo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>2014</td>
</tr>
<tr>
<td>Enterprise</td>
<td>Drystock</td>
</tr>
<tr>
<td>Number of Samples</td>
<td>1,856</td>
</tr>
</tbody>
</table>

**Soil P Index**

- Good Fertility - Index 3 & 4
- Index 1: 31%
- Index 2: 25%
- Index 3: 25%
- Index 4: 19%

**Soil K Index**

- Good Fertility - Index 3 & 4
- Index 1: 14%
- Index 2: 42%
- Index 3: 28%
- Index 4: 17%

**Soil pH**

- Good Fertility > pH 6.2
- <5.5: 40%
- 5.5-5.9: 25%
- 5.9-6.2: 13%
- 6.2-6.5: 10%
- >6.5: 11%

**Good Overall Fertility:**

- Soil pH > 6.2; Soil P and K Index 3 or 4
- Optimum: 5%
- Good: 95%

**Trend in Soil P Index**

<table>
<thead>
<tr>
<th>Year</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index 1</td>
<td>3%</td>
<td>3%</td>
<td>4%</td>
<td>2%</td>
<td>3%</td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Index 2</td>
<td>13%</td>
<td>15%</td>
<td>13%</td>
<td>16%</td>
<td>14%</td>
<td>11%</td>
<td>10%</td>
<td>10%</td>
</tr>
<tr>
<td>Index 3</td>
<td>12%</td>
<td>23%</td>
<td>22%</td>
<td>24%</td>
<td>27%</td>
<td>25%</td>
<td>25%</td>
<td>23%</td>
</tr>
<tr>
<td>Index 4</td>
<td>25%</td>
<td>27%</td>
<td>28%</td>
<td>27%</td>
<td>27%</td>
<td>25%</td>
<td>25%</td>
<td>23%</td>
</tr>
</tbody>
</table>

**Trend in Soil K Index**

<table>
<thead>
<tr>
<th>Year</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index 1</td>
<td>12%</td>
<td>12%</td>
<td>13%</td>
<td>11%</td>
<td>10%</td>
<td>10%</td>
<td>11%</td>
<td>12%</td>
</tr>
<tr>
<td>Index 2</td>
<td>28%</td>
<td>26%</td>
<td>27%</td>
<td>26%</td>
<td>27%</td>
<td>28%</td>
<td>28%</td>
<td>28%</td>
</tr>
<tr>
<td>Index 3</td>
<td>30%</td>
<td>33%</td>
<td>33%</td>
<td>33%</td>
<td>32%</td>
<td>31%</td>
<td>30%</td>
<td>30%</td>
</tr>
<tr>
<td>Index 4</td>
<td>50%</td>
<td>40%</td>
<td>25%</td>
<td>13%</td>
<td>14%</td>
<td>15%</td>
<td>17%</td>
<td>17%</td>
</tr>
</tbody>
</table>

**Trend in Soil pH**

<table>
<thead>
<tr>
<th>Year</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;5.5</td>
<td>33%</td>
<td>36%</td>
<td>32%</td>
<td>37%</td>
<td>31%</td>
<td>37%</td>
<td>33%</td>
<td>37%</td>
</tr>
<tr>
<td>5.5-5.9</td>
<td>17%</td>
<td>15%</td>
<td>19%</td>
<td>18%</td>
<td>19%</td>
<td>21%</td>
<td>25%</td>
<td>25%</td>
</tr>
<tr>
<td>5.9-6.2</td>
<td>28%</td>
<td>27%</td>
<td>28%</td>
<td>27%</td>
<td>27%</td>
<td>28%</td>
<td>28%</td>
<td>28%</td>
</tr>
<tr>
<td>6.2-6.5</td>
<td>20%</td>
<td>26%</td>
<td>20%</td>
<td>21%</td>
<td>20%</td>
<td>22%</td>
<td>25%</td>
<td>25%</td>
</tr>
<tr>
<td>&gt;6.5</td>
<td>17%</td>
<td>15%</td>
<td>13%</td>
<td>15%</td>
<td>13%</td>
<td>12%</td>
<td>12%</td>
<td>12%</td>
</tr>
</tbody>
</table>

**Good Overall Fertility -**

- Soil pH > 6.2; Soil P and K Index 3 or 4
- Optimum: 5%
- Good: 95%

**Index 1 Index 2 Index 3 Index 4**

- Mayo: 2014
- Drystock: 1,856