Tutorial 2:
Data Entry Pointers –
Fields, Soil Tests, and Crops
Getting Started in MMP
GENERAL INPUT

“Click” on Fields.
Getting Started in MMP

FIELDS INPUT

Under the “Fields” tab, be sure to enter your field data and predominant soil type for each field.

A soil map can be generated of your farm (in Missouri) from the internet using the following website:

http://ims.missouri.edu/docgenmaps/

This map can be inserted into a Commercial Fertilizer Management Plan.
Getting Started in MMP

FIELDS INPUT – A TIP

Sort fields in ascending numeric or alphabetic order
• Right-click on the “Field ID” column.
• Select “Sort Ascending”
Getting Started in MMP
FIELDS INPUT – A TIP

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Subfield ID</th>
<th>Total Size (Acres)</th>
<th>Spreadable Size (Acres)</th>
<th>Storage Distance (Miles)</th>
<th>Predominant Soil Type (Name, Texture, Map Symbol, Slope Range)</th>
<th>Slope % (If Not Ave.)</th>
<th>Irrigated With Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northwest</td>
<td>1</td>
<td>16.7</td>
<td>16.7</td>
<td></td>
<td>Leonard Silt (60022 2-6%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northeast</td>
<td>2</td>
<td>12.5</td>
<td>12.5</td>
<td></td>
<td>Mexico Silt (50004 1-3%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Southeast</td>
<td>3</td>
<td>15.2</td>
<td>15.2</td>
<td></td>
<td>Mexico Silt (50004 1-3%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>South</td>
<td>4</td>
<td>11.2</td>
<td>11.2</td>
<td></td>
<td>Mexico Silt (50004 1-3%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>West</td>
<td>5</td>
<td>4.4</td>
<td>4.4</td>
<td></td>
<td>Mexico Silt (50004 1-3%)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Enter a field ID for each field.

Sorting works on any column.
Getting Started in MMP
FIELDS INPUT NOTES

• Spreadable size
  – Equals total field size minus setback areas within the field. *Setbacks are only used for manure applications.*

• Prominent soil type
  – All soil types in county are listed as a drop-down list.
  – You can select alternate soil type, if needed.
Getting Started in MMP
FIELDS INPUT

“Click” on Soil Tests.
Getting Started in MMP

SOIL TESTS INPUT

![Image of soil test data input interface]

Enter Soil Test Data directly into MMP.
Getting Started in MMP

SOIL TESTS INPUT TIPS

Some of these fields can be left blank:
• Na, Al, NO₃ and EC are not used in MO recommendations.

Estimated vs. actual CEC:
• Program will use “actual CEC” if entered.
• Estimated CEC typically wrong in MO because we use neutralizable acidity which is not addressed in MMP.
• Consider double checking CEC values compared to your soil test.
Getting Started in MMP
SOIL TEST INPUT

```
| Field ID | Subfield ID | Test Year | OM (%) | P | P Test Used | K   | Mg  | Ca   | Na   | Al  | Level
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Northwest</td>
<td>1</td>
<td>2005</td>
<td>2</td>
<td>30</td>
<td>Bray P1</td>
<td>160</td>
<td>120</td>
<td>2.500</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Northeast</td>
<td>2</td>
<td>2005</td>
<td>2.5</td>
<td>50</td>
<td>Bray P1</td>
<td>130</td>
<td>120</td>
<td>2.500</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Southeast</td>
<td>3</td>
<td>2005</td>
<td>2.3</td>
<td>50</td>
<td>Bray P1</td>
<td>130</td>
<td>120</td>
<td>2.500</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>South</td>
<td>4</td>
<td>2004</td>
<td>2</td>
<td>20</td>
<td>Bray P1</td>
<td>110</td>
<td>120</td>
<td>2.500</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>West</td>
<td>5</td>
<td>2003</td>
<td>1.5</td>
<td>70</td>
<td>Bray P1</td>
<td>275</td>
<td>120</td>
<td>2.500</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
</tbody>
</table>
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“Click” on Crops.

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# Getting Started in MMP CROPS INPUT

[Image of a spreadsheet showing crop information]

Key page for crop and fertilizer recommendations.
Getting Started in MMP
CROPS INPUT

- MMP has a state-specific crop list and fertilizer recommendations.
- Enter planned crop and yield goal.
- In this MO example, the UMC fertilizer recommendation is automatically calculated.
• You can enter a “custom” recommendation.
  – “Custom” rates will supersede the “default” rates when entered.
  – Note the source of the custom rate.
• Enter crops in a rotation in the harvest year.
  - Alfalfa fall seeded but first harvest is in 2008.
### Getting Started in MMP

**DATA INPUT = TIP**

<table>
<thead>
<tr>
<th>Field ID</th>
<th>Subfield ID</th>
<th>Crop Year</th>
<th>Planned Crop (Or Second Crop If Double Cropping)</th>
<th>Yield Goal (B/acre)</th>
<th>Yield Units</th>
<th>Legume % Stand</th>
<th>Default N Rec (Lb/A)</th>
<th>Default P2O5 Rec (Lb/A)</th>
<th>Default K2O Rec (Lb/A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td>2004</td>
<td>Corn</td>
<td>135 Bu</td>
<td>Bu</td>
<td></td>
<td>120</td>
<td>60</td>
<td>40</td>
</tr>
<tr>
<td>A</td>
<td></td>
<td>2005</td>
<td>Soybean</td>
<td>46 Bu</td>
<td>Bu</td>
<td></td>
<td>0</td>
<td>40</td>
<td>60</td>
</tr>
<tr>
<td>A</td>
<td></td>
<td>2006</td>
<td>Corn</td>
<td>135 Bu</td>
<td>Bu</td>
<td></td>
<td>120</td>
<td>60</td>
<td>40</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>2004</td>
<td>Soybean</td>
<td>120</td>
<td>Lb/A</td>
<td></td>
<td>135</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>2005</td>
<td>Corn</td>
<td>120</td>
<td>Lb/A</td>
<td></td>
<td>135</td>
<td>105</td>
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</tr>
<tr>
<td>B</td>
<td></td>
<td>2006</td>
<td>Soybean</td>
<td>120</td>
<td>Lb/A</td>
<td></td>
<td>135</td>
<td>105</td>
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</tr>
<tr>
<td>C</td>
<td></td>
<td>2004</td>
<td>Corn</td>
<td>120</td>
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<td></td>
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<td>105</td>
<td></td>
</tr>
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<td>C</td>
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<td>2005</td>
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<td>105</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>2006</td>
<td>Soybean</td>
<td>120</td>
<td>Lb/A</td>
<td></td>
<td>135</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>2004</td>
<td>Corn</td>
<td>120</td>
<td>Lb/A</td>
<td></td>
<td>135</td>
<td>105</td>
<td></td>
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<td>D</td>
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<td>120</td>
<td>Lb/A</td>
<td></td>
<td>135</td>
<td>105</td>
<td></td>
</tr>
</tbody>
</table>

When you select a column or cell...

There is always a useful tip **here** about what you should do or what is in the cell.

<Select the field's crop for the indicated year>
Congratulations
You finished the tutorial! Please be sure to save your work.