VIII: Manure Management Planning in MMP

A. Manure Applications
B. Fertilizer Applications
C. Manure transfers and manure storages.
VIII-A: Manure transfers and manure storages.

- Export manure off the farm.
  - Not enough land to apply all the manure.
  - Agreement with a neighbor to buy manure.

- Importing manure.
Managing manure transfers

Manage manure transfers here
Managing manure transfers

Exporting manure off the farm

Double-click on Mar 2006. cell on the “slurry tank” line
Managing manure transfers

Exporting manure off the farm

The “Manure Transfer Editor” page

We want to make a “New” transfer

Double-click on “New” cell
Managing manure transfers

Exporting manure off the farm

Select the type of transfer from the three choices

Select “Export Manure to External Operation”
Click “OK”
Managing manure transfers
Exporting manure off the farm

1. Export 100,000 Gal
2. Document where manure is exported
3. Add note

Click “Close” when done.

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Managing manure transfers
Exporting manure off the farm

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<tbody>
<tr>
<td></td>
<td>68,410</td>
<td>104,910</td>
<td>141,410</td>
<td>177,910</td>
<td>214,410</td>
<td>150,910</td>
<td>187,410</td>
<td>223,910</td>
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</tbody>
</table>

Note that level of manure in the slurry tank dropped by 100,000 gal.
Managing manure transfers

Exporting manure off the farm

<table>
<thead>
<tr>
<th>Field Status</th>
<th>Slurry Tank</th>
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<td></td>
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</table>

The value in March 2006 is *italicized* indicating a transfer in that month.

Double-click the *italicized* cell.
Managing manure transfers

Click “New” if you want another transfer in March 2006

Click “Delete” if you want to delete the highlighted transfer

Click “Close” to finish managing transfers in March 2006

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Managing manure transfers

Exercise: Manage Manure Storage Levels

• Joe Neighbor would prefer to have some manure every spring.
• Watch manure storage capacity closely.

Red values indicate storage capacity has been exceeded.
Managing manure transfers

- Do manure levels exceed storage capacity before spring 2007?

- Transfer 100,000 gal to Joe Neighbor in March 2007 and 2008.
Managing manure transfers

- Manure levels will exceed storage capacity by the end of Feb. 2009.

- Transfer 200,000 gal to Joe Neighbor in Feb.
Right-click on slide bar and select “Left edge” to navigate to start of plan
Managing manure transfers

• Use the same process to:
  – Transfer manure internally.

• Importing manure can be more complicated
  – Account for different manure nutrient analysis
Managing manure transfers

Appendix: Importing manure

Importing Manure: Start on the “Storage Page”

Set up a dummy storage called “Imported Manure”

Do not provide any capacity or manure on hand.
Managing manure transfers
Appendix: Importing manure

Importing Manure: Move to the “Analysis Page”

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</tr>
</thead>
<tbody>
<tr>
<td>Slurry Tank</td>
<td>50</td>
<td>33</td>
<td>42</td>
<td>30</td>
<td>39.0</td>
<td>42.0</td>
<td>30.0</td>
<td>Lb/1000Gal</td>
<td>438,000</td>
<td>Gal/Year</td>
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<tr>
<td>Imported Manure</td>
<td><strong>60</strong></td>
<td><strong>38</strong></td>
<td><strong>48</strong></td>
<td><strong>36</strong></td>
<td><strong>45.7</strong></td>
<td><strong>48.0</strong></td>
<td><strong>36.0</strong></td>
<td><strong>Lb/1000Gal</strong></td>
<td><strong>0</strong></td>
<td><strong>Gal/Year</strong></td>
</tr>
</tbody>
</table>

Enter manure test values

Set “Measured Manure Production” to zero.
Managing manure transfers

Appendix: Importing manure

Importing Manure: Now move to the “Nutrient Management” page.

Double click on the “Imported Manure” cell in the month you want to import manure
Managing manure transfers

Appendix: Importing manure

Importing Manure: Select “New” from the manure transfer screen.

For imported manure select “Import manure from External Operation”
Managing manure transfers

Importing Manure: Enter data in the “Manure Transfer Editor”.

1. Import 10,000 Gal of manure
2. Enter information about the manure source.
3. Select animal type

Click “Close” when done.
Managing manure transfers

Appendix: Importing manure

Importing Manure: Now move to the “Nutrient Management” page.

Note that you can import manure directly into existing storage without these steps. This approach will not allow a unique manure analysis for the imported manure.
**MMP Fertilizer Application - Tips**

**Reading the Screen.**

- **Bold values indicate land application event.**

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<td>167,410</td>
<td>223,910</td>
</tr>
<tr>
<td><strong>Imported Manure</strong></td>
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<td>0</td>
<td>0</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
</tr>
</tbody>
</table>

- **Italicized values indicate manure transfer out of the storage.**
Red values indicate storage capacity has been exceeded.

Negative purple values indicate manure transfer out of the storage exceeds inventory.
MMP Fertilizer Application - Tips

Red shade: no more manure should be applied to this field

Reading the Screen.

Indicates manure was applied on 18.9 of 18.9 acres.

Fertilizer application
MMP Fertilizer Application - Tips

What if you do not like a recommended fertilizer rate?

Enter preferred rate

Program recommends 45 lbs N/a in 2006 because it assumes alfalfa was the previous crop (because alfalfa was the last reported crop (2007)).