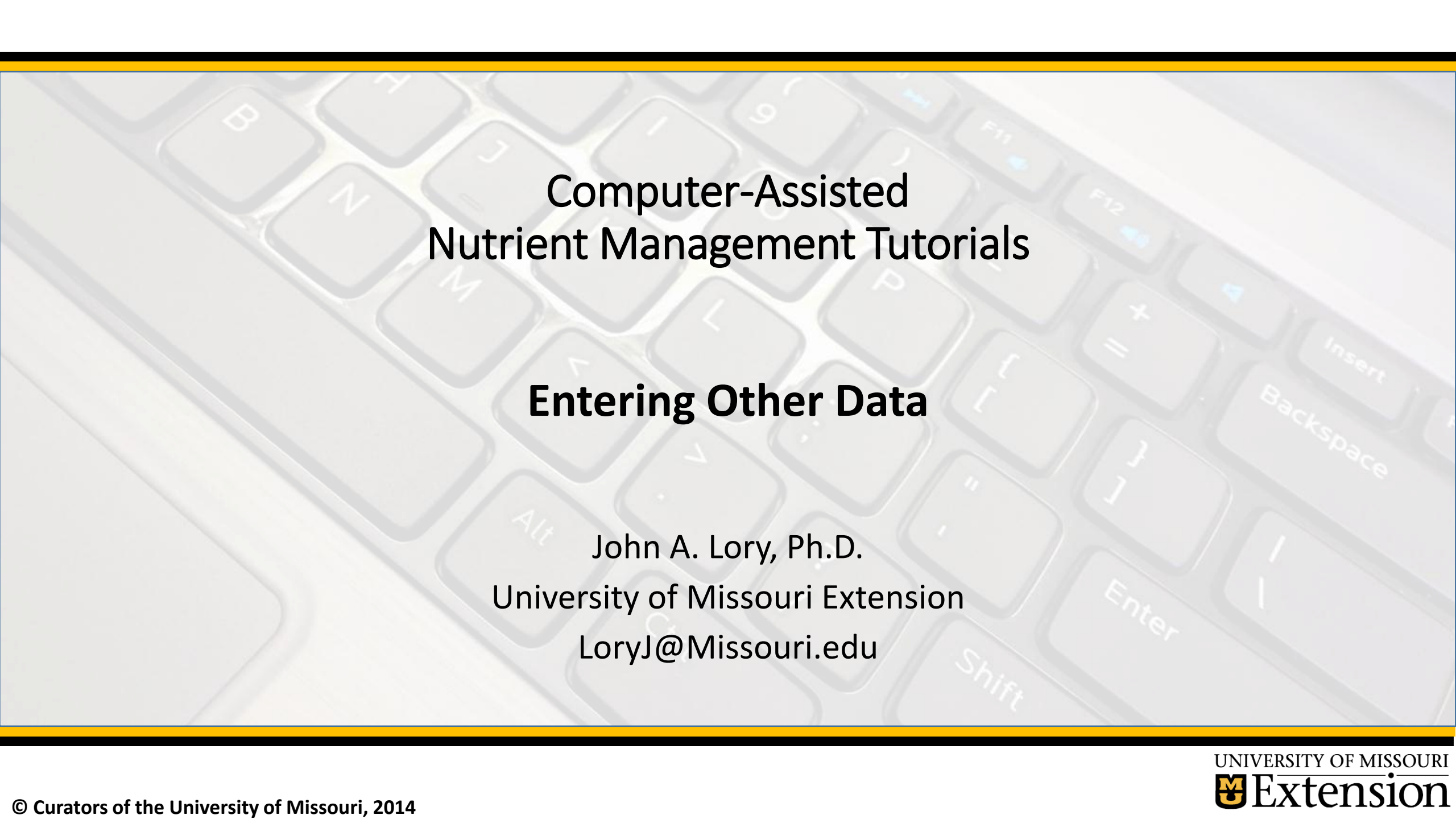


The background of the slide is a close-up, slightly angled photograph of a computer keyboard. The keys are light-colored with dark lettering. Visible keys include 'B', 'N', 'M', 'J', 'I', '9', 'F11', 'F12', '+', '=', '[', ']', 'Backspace', 'Enter', and 'Shift'. The text is overlaid on this background.

# Computer-Assisted Nutrient Management Tutorials

## Entering Other Data

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# What we cover

- Entering more field data.
- Entering manure storages.
- Entering soil and manure tests.

# Entering Other Data: Can enter other data managed by Purdue's MMP.

[ PROJECT MGMT ] [ **MAPPING** ] [ NUTRIENT MGMT ] [ NEWS ] [ ABOUT ]

Welcome **Training\_Account** ! [Log Out](#)

Location of MU\_Example\_Farm: MO, Boone County

Map View:

**MAP CONTROLS**

|                                                                                 |                                             |
|---------------------------------------------------------------------------------|---------------------------------------------|
| <input checked="" type="button" value="On"/> <input type="button" value="Off"/> | Mouse wheel zoom                            |
| <input type="button" value="On"/> <input checked="" type="button" value="Off"/> | Labels                                      |
| <input checked="" type="button" value="On"/> <input type="button" value="Off"/> | Setbacks                                    |
| <input type="button" value="On"/> <input checked="" type="button" value="Off"/> | Administrative Boundaries <a href="#">?</a> |
| <input type="button" value="On"/> <input checked="" type="button" value="Off"/> | Soils <a href="#">?</a>                     |

[Zoom to all Features](#)

**FIELD TOOLS**

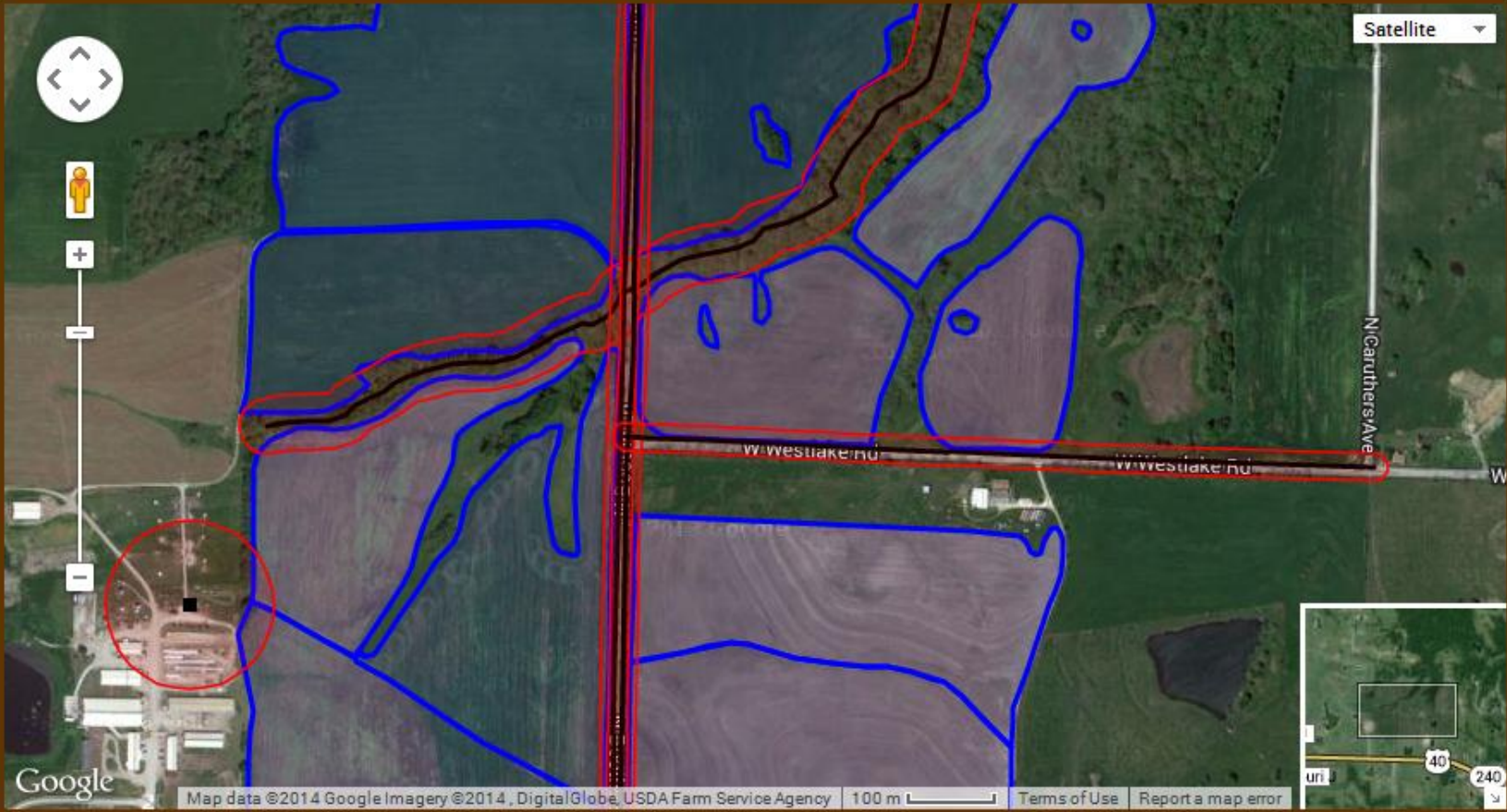
Click a field in the map to select it.

[Create New Field](#)

[Edit Field](#)

[Delete Field](#)

[Update Soils](#) [?](#)



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# Entering Other Data: Navigating the accordion directory of tools.

Compress "Map Controls" to see the other directories.

[ PROJECT MGMT ] [ MAPPING ] [ NUTRIENT MGMT ] [ NEWS ] [ ABOUT ]

Welcome **Training\_Account** ! [Log Out](#)

Location of MU\_Example\_Farm: MO, Boone County

Map View:

Satellite

**MAP CONTROLS**

|                                                                                 |                                             |
|---------------------------------------------------------------------------------|---------------------------------------------|
| <input checked="" type="button" value="On"/> <input type="button" value="Off"/> | Mouse wheel zoom                            |
| <input type="button" value="On"/> <input checked="" type="button" value="Off"/> | Labels                                      |
| <input checked="" type="button" value="On"/> <input type="button" value="Off"/> | Setbacks                                    |
| <input type="button" value="On"/> <input checked="" type="button" value="Off"/> | Administrative Boundaries <a href="#">?</a> |
| <input type="button" value="On"/> <input checked="" type="button" value="Off"/> | Soils <a href="#">?</a>                     |

[Zoom to all Features](#)

**FIELD TOOLS**

Click a field in the map to select it.

[Create New Field](#)

[Edit Field](#)

[Delete Field](#)

[Update Soils](#) [?](#)

Google

Map data ©2014 Google Imagery ©2014, DigitalGlobe, USDA Farm Service Agency 100 m [Terms of Use](#) [Report a map error](#)



# Entering Other Data: Navigating the accordion directory of tools.

Select "Edit Field" to enter additional field attributes.  
Remember to select the field of interest.

The screenshot shows the 'MAPPING' tab selected in the top navigation bar. The location is set to 'MO, Boone County'. The map displays a satellite view of a farm area with various fields outlined in blue and red. A popup window titled 'Field' is open, showing the following data:

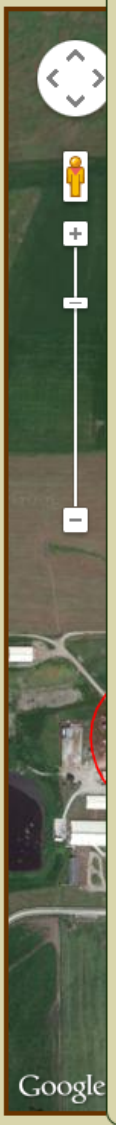
| Field       |      |
|-------------|------|
| ID:         | 4    |
| Acres:      | 12   |
| Spr. Acres: | 10.8 |
| Notes:      |      |

On the right side, the 'FIELD TOOLS' section is expanded, showing buttons for 'Create New Field', 'Edit Field', 'Delete Field', and 'Update Soils'. The 'Edit Field' button is circled in red, and a red arrow points to it. Other sections like 'MAP CONTROLS', 'SETBACK TOOLS', 'MANURE STORAGE TOOLS', and 'PRINT MAPS' are also visible.

# Entering Other Data: Field Attributes.

[ PROJECT MGMT ] [ MAPPING ] [ NUTRIENT MGMT ] [ NEWS ] [ ABOUT ] Welcome **Training\_Account** ! [Log Out](#)

Location:  Map View: **On** Off

**EDIT FIELD**   

Please enter a unique ID/SubID for the field, then click Start Drawing.

ID (required, 15 char. max):

SubID (optional, 5 char. max):

Soil type:

Notes:

 **▼ MORE ATTRIBUTES**

Miles to storage:

Slope % (if not avg.):

Irrigated with water: ☐

Is not owned: ☐

12-digit Watershed:

Farm ID:

FSA Farm number:

FSA Tract number:

FSA Field number:

Feet to water:

Water type:

Slope Length (feet):

Runoff Reduct. Practice: ☐

Buffer Width (feet):

Artificial drainage:

Manure applied annually: ☐

Will not receive manure: ☐

Water erosion (T/A/Yr):

Wind erosion (T/A/Yr):

Irrigation erosion (T/A/Yr):

Gully erosion (T/A/Yr):

Ephemeral erosion (T/A/Yr):

P or risk index:

Assessed notes:

Google

atellite

MAP CONTROLS

McCarthys Ave

McCarthys Ave

40 240

**Expand  
“More Attributes”.**

**Entering this data  
here is optional.**

**In the future we hope  
some of this data is  
determined  
automatically.**



# Entering Other Data: Manure Storage Tools.

[ PROJECT MGMT ] [ **MAPPING** ] [ NUTRIENT MGMT ] [ NEWS ] [ ABOUT ] Welcome **Training\_Account** ! [Log Out](#)

Location of MU\_Example\_Farm: MO, Boone County

Map View: **On** Off

Satellite

MAP CONTROLS

FIELD TOOLS

Click a field in the map to select it.

Create New Field

Edit Field

Delete Field

Update Soils

SETBACK TOOLS

**MANURE STORAGE TOOLS**

PRINT MAPS



# Entering Other Data: Manure Storage Tools.

Map storages like fields and setback features.  
Now we want to “Create New Storage”

[ PROJECT MGMT ] [ MAPPING ] [ NUTRIENT MGMT ] [ NEWS ] [ ABOUT ] Welcome **Training Account** ! [Log Out](#)

Location of MU\_Example\_Farm: MO, Boone County

Map View:

MAP CONTROLS

FIELD TOOLS

SETBACK TOOLS

MANURE STORAGE TOOLS

Click a storage in the map to select it.

**Create New Storage**

Edit Storage

Delete Storage

PRINT MAPS



MO, Bo

MO, Bo

An aerial photograph showing a landscape with a blue line tracing a path. The path starts in a green forested area at the top, moves down through a field with diagonal furrows, then turns right to follow a narrow strip of green vegetation, and finally turns left to follow a straight line through a field. The surrounding areas are a mix of green and brownish-purple, suggesting different types of vegetation or land use.

# Entering Other Data: Manure Storage Tools.

"Click" with your mouse where the storage is located.

It will show a "star" for the manure storage.

[ PROJECT MGMT ] [ **MAPPING** ] [ NUTRIENT MGMT ] [ NEWS ] [ ABOUT ] Welcome **Training Account** ! [Log Out](#)

Location of MU\_Example\_Farm: MO, Boone County

Map View: **On** Off

▶ MAP CONTROLS

▶ FIELD TOOLS

▶ SETBACK TOOLS

▼ **MANURE STORAGE TOOLS**

Click a storage in the map to select it.

Create New Storage

Edit Storage

Delete Storage

▶ PRINT MAPS

Google

Map data ©2014 Google Imagery ©2014, DigitalGlobe, USDA Farm Service Agency 50 m Terms of Use Report a map error



# Entering Other Data: Manure Storage Tools.

When you select a storage on the map it shows its information.  
You can edit both the attributes and the location of a storage.

The screenshot displays the 'MAPPING' tab of the MU Farm Management System. The top navigation bar includes links for [ PROJECT MGMT ], [ MAPPING ], [ NUTRIENT MGMT ], [ NEWS ], and [ ABOUT ], along with a user greeting 'Welcome Training\_Account ! Log Out'. Below the navigation bar, the location is set to 'MO, Boone County'. The main map area shows a satellite view of a farm with various colored overlays (blue, red, green) and a green star icon indicating a selected storage location. A popup window titled 'Storage' provides details for the selected item:

| Storage   |                             |
|-----------|-----------------------------|
| Name:     | Solid Manure Storage        |
| Type:     | Daily scrape & haul (solid) |
| Capacity: | not set                     |
| On Hand:  | not set                     |
| Notes:    |                             |

Map controls on the right include 'Map View: On Off', 'MAP CONTROLS', 'FIELD TOOLS', 'SETBACK TOOLS', and 'MANURE STORAGE TOOLS'. The 'MANURE STORAGE TOOLS' section includes instructions 'Click a storage in the map to select it.' and buttons for 'Create New Storage', 'Edit Storage', and 'Delete Storage'. A 'PRINT MAPS' button is located at the bottom right. The map interface also includes a scale bar (50 m), a 'Terms of Use' link, and a 'Report a map error' link.



**[ MAPPING ]**

MO, Bo

**[ MAPPING ]**



# Entering Other Data: Manure Storages – Using Map View.

Map View “Off”.

[ PROJECT MGMT ] [ **MAPPING** ] [ NUTRIENT MGMT ] [ NEWS ] [ ABOUT ] Welcome **Training\_Account** ! [Log Out](#)

Location of MU\_Example\_Farm: MO, Boone County

Refresh Close

|           |   |              |   |
|-----------|---|--------------|---|
| FIELD ID: | 1 | SUBFIELD ID: |   |
| FIELD ID: | 2 | SUBFIELD ID: | A |
| FIELD ID: | 2 | SUBFIELD ID: | B |
| FIELD ID: | 2 | SUBFIELD ID: | C |
| FIELD ID: | 3 | SUBFIELD ID: |   |
| FIELD ID: | 4 | SUBFIELD ID: |   |
| FIELD ID: | 5 | SUBFIELD ID: | A |
| FIELD ID: | 5 | SUBFIELD ID: | B |
| FIELD ID: | 6 | SUBFIELD ID: |   |
| FIELD ID: | 7 | SUBFIELD ID: |   |
| FIELD ID: | 8 | SUBFIELD ID: |   |

Refresh Close

|               |                      |
|---------------|----------------------|
| STORAGE NAME: | LAGOON EFFLUENT      |
| STORAGE NAME: | LAGOON SLUDGE        |
| STORAGE NAME: | SLURRY               |
| STORAGE NAME: | SOLID MANURE STORAGE |

Map View: **On** **Off**

MAP CONTROLS

**On** **Off** Mouse wheel zoom

**On** **Off** Labels

**On** **Off** Setbacks

**On** **Off** Administrative Boundaries ⓘ

**On** **Off** Soils ⓘ

Zoom to all Features

FIELD TOOLS

Click a field in the map to select it.

Create New Field

Edit Field

Delete Field

Update Soils ⓘ

SETBACK TOOLS



# Entering Other Data: Soil and Manure Test Data.

Soil and manure tests are not part of mapping.  
Go to the “Nutrient Management” tab.

The screenshot shows the web application interface for the University of Missouri Extension. The top navigation bar is green with yellow text for the following tabs: [ PROJECT MGMT ], [ MAPPING ], [ NUTRIENT MGMT ], [ NEWS ], and [ ABOUT ]. The [ NUTRIENT MGMT ] tab is highlighted with a red circle. To the right of the navigation bar, it says "Welcome Training\_Account ! Log Out". Below the navigation bar, the text "Location of MU\_Example\_Farm: MO, Boone County" is displayed. The main area features a satellite map of a farm with blue and red field boundaries. On the left side of the map, there are navigation controls including a compass, a person icon, a zoom-in (+) button, a zoom-out (-) button, and a Google logo. At the bottom of the map, it says "Map data ©2014 Google Imagery ©2014, DigitalGlobe, USDA Farm Service Agency" and includes a 100 m scale bar, "Terms of Use", and "Report a map error" links. On the right side of the map, there is a "Satellite" dropdown menu. To the right of the map, there is a sidebar with the following sections: "Map View:" with "On" and "Off" buttons; "MAP CONTROLS"; "FIELD TOOLS" with the instruction "Click a field in the map to select it." and buttons for "Create New Field", "Edit Field", "Delete Field", and "Update Soils" (with an information icon); "SETBACK TOOLS"; "MANURE STORAGE TOOLS"; and "PRINT MAPS".



# Entering Other Data: Soil and Manure Test Data.

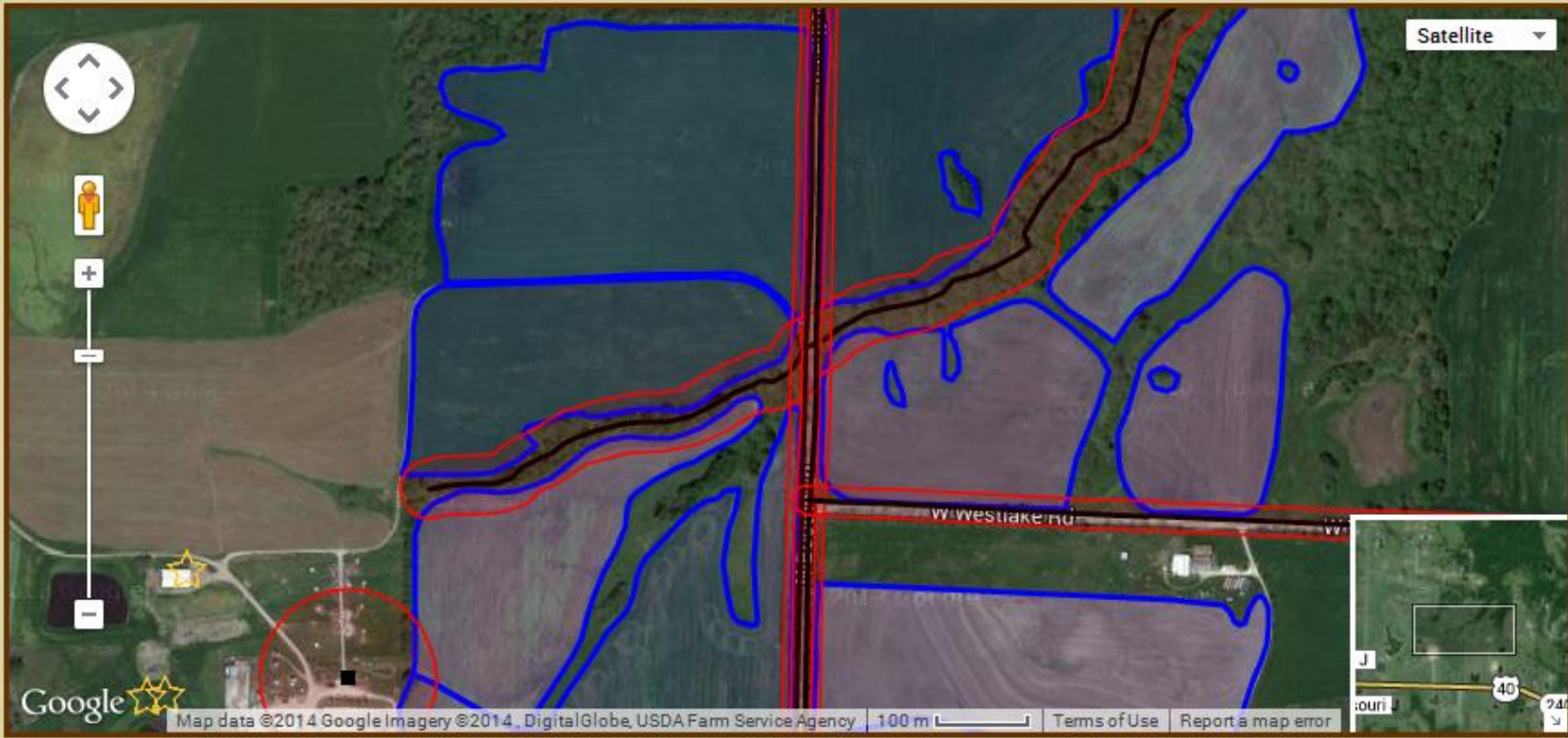
Options for managing data change compared to Mapping Tools.

Nutrient Management Tools will expand with time.

[ PROJECT MGMT ] [ MAPPING ] [ NUTRIENT MGMT ] [ NEWS ] [ ABOUT ] Welcome **Training\_Account** ! [Log Out](#)

Location of MU\_Example\_Farm: MO, Boone County

Map View:



Click a field in the map to select it.

View Soil Tests

Add Soil Test

Edit Soil Test

Delete Soil Test

MANURE TEST TOOLS

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# Entering Other Data: Soil and Manure Test Data.

You can only enter manure tests for mapped storages.  
System currently does not map soil test data.

[ PROJECT MGMT ] [ MAPPING ] [ NUTRIENT MGMT ] [ NEWS ] [ ABOUT ] Welcome **Training Account** ! [Log Out](#)

Location of MU\_Example\_Farm: MO, Boone County

Map View:

MAP CONTROLS

SOIL TEST TOOLS

MANURE TEST TOOLS

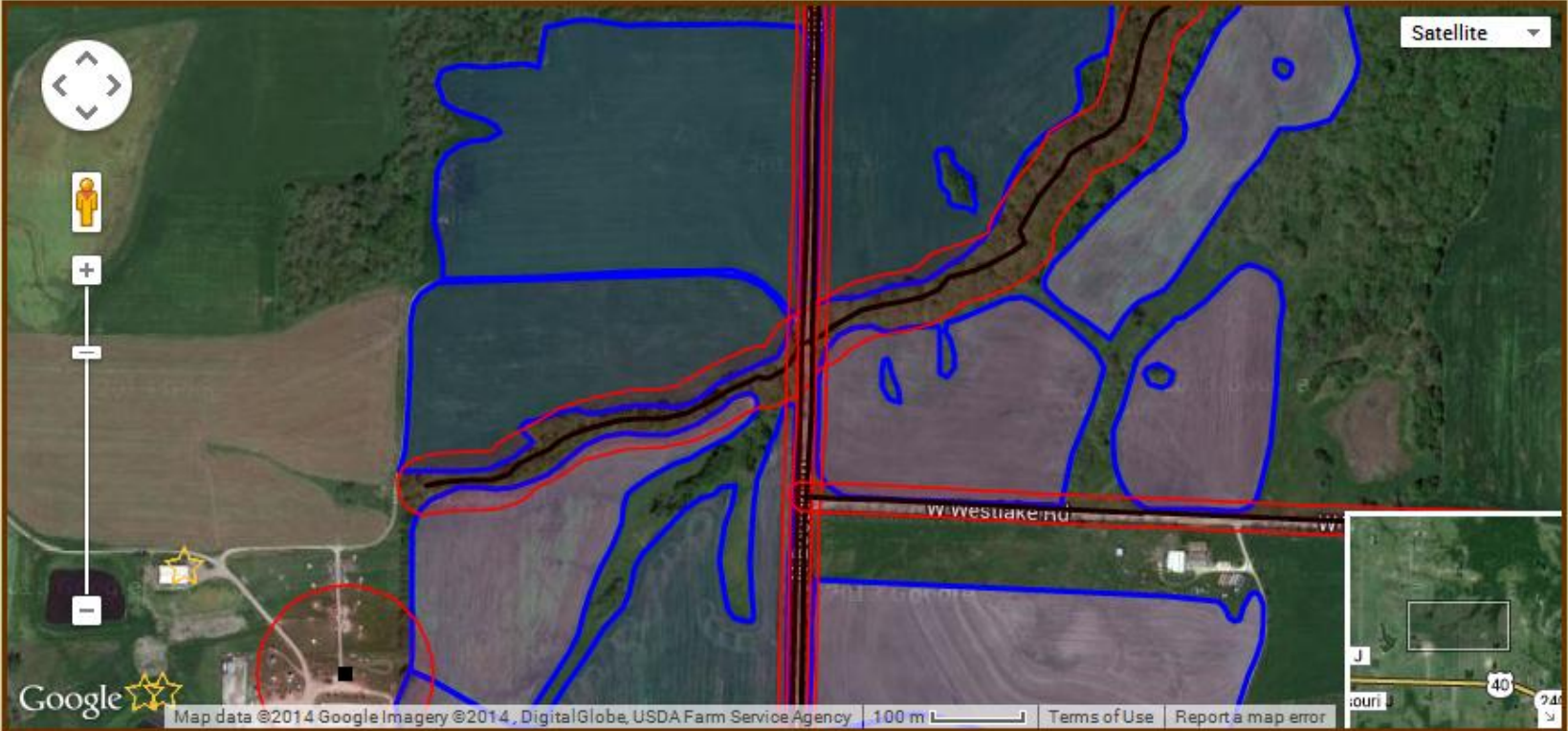
Click a storage in the map to select it.

[View Manure Tests](#)

[Add Manure Test](#)

[Edit Manure Test](#)

[Delete Manure Test](#)



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# Entering Other Data: Getting Back to Mapping.

Return to "Mapping" by selecting the tab.

The screenshot shows the 'Mapping' tab selected in a web application. The top navigation bar includes tabs for [ PROJECT MGMT ], [ MAPPING ], [ NUTRIENT MGMT ], [ NEWS ], and [ ABOUT ]. The 'MAPPING' tab is highlighted, and a red arrow points to it from the text 'Return to "Mapping" by selecting the tab.' The main content area displays a satellite map of a farm area with blue and red outlines. The location is identified as 'MO, Boone County'. On the right side, there is a sidebar with a 'Map View' toggle set to 'On'. Below this, the 'FIELD TOOLS' section contains buttons for 'Create New Field', 'Edit Field', 'Delete Field', and 'Update Soils'. The 'SETBACK TOOLS' section is partially visible. At the bottom right, a red arrow points to the 'PRINT MAPS' option in the sidebar. The bottom of the map shows Google Maps data from 2014 and a 100m scale bar.

# For more information on NMTracker.

- NMTracker website at [nmtracker.missouri.edu](http://nmtracker.missouri.edu).
- NMTracker tutorials at <http://nmplanner.missouri.edu/software/nmtracker.asp>.
- For information on program development contact [John Lory](#).
- For information on software implementation contact [Kevin Atherton](#)
- Other Nutrient Management resources at [nmplanner.missouri.edu](http://nmplanner.missouri.edu).