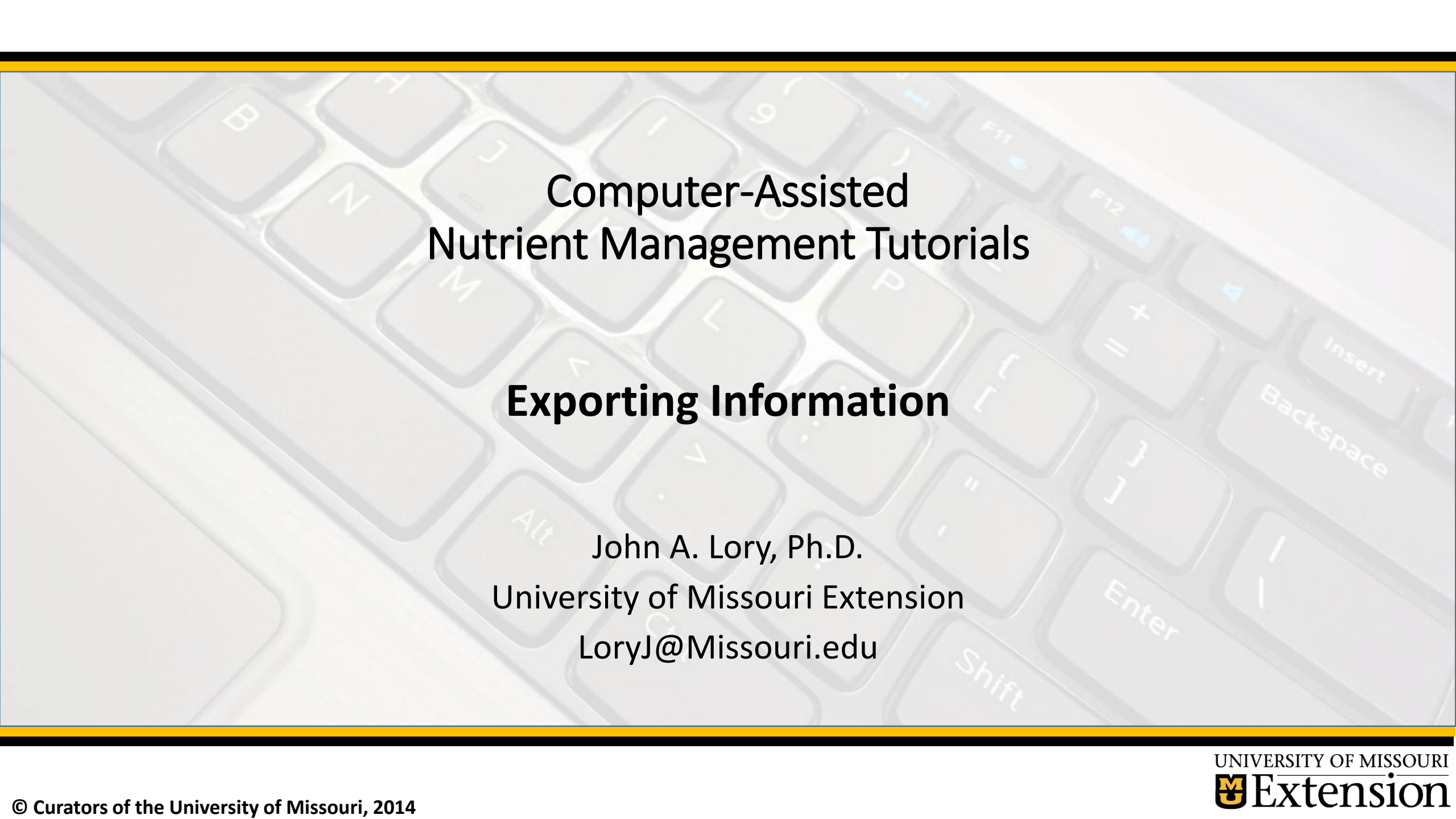


A close-up, slightly angled photograph of a computer keyboard, showing keys like 'B', 'N', 'M', 'J', 'I', '9', 'F11', 'F12', '+', '=', '[', ']', 'Backspace', 'Enter', and 'Shift'. The image is faded and serves as a background for the text.

Computer-Assisted Nutrient Management Tutorials

Exporting Information

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What we will cover

- Duplicating/Backing up Projects (coming soon)
- Renaming a project
- Exporting to MMP including files from the Missouri Clipper
- Exporting shapefiles

Getting to Project Management

Select "Project Mgmt".

The screenshot displays the web application interface for the University of Missouri Extension. At the top, a green navigation bar contains the following menu items: [PROJECT MGMT], [MAPPING], [NUTRIENT MGMT], [NEWS], and [ABOUT]. The "PROJECT MGMT" item is highlighted. To the right of the navigation bar, the text "Welcome Training_Account ! Log Out" is visible. Below the navigation bar, the text "Location of MU_Example_Farm: MO, Boone County" is displayed. The main content area features a satellite map of a rural area with blue and red outlines. A red circle highlights a specific location on the map. 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"; "SETBACK TOOLS"; and "MANURE STORAGE TOOLS". The map includes a scale bar for 100 meters and a "Report a map error" link.

Getting to Project Management



The screenshot shows a web application interface for project management. The top navigation bar includes tabs for [PROJECT MGMT], [MAPPING], [NUTRIENT MGMT], [NEWS], and [ABOUT]. The user is logged in as Training_Account and can click Log Out.

The main content area displays details for a project named **MU_EXAMPLE_FARM**, owned by **JOHN LORY**. The project information is organized into two columns:

PROJECT NAME:	MU_EXAMPLE_FARM	OWNER:	JOHN LORY
Created:	4/2/2014 by John Lory	Edited:	4/2/2014 by John Lory
Security Role:	Project Manager	Assigned by:	John Lory
Operation Name:	University of Missouri	Plan Start:	Oct., 2014
Contact:		Address:	
Office Phone:			
Home Phone:			
Email:	LoryJ@missouri.edu		, MO
Notes:	Example farm for demonstration.	County:	Boone

On the right side, under the **ACTIONS** header, there are two sections:

- Create a new project ...** with a **Create New** button.
- ... or select a project and use the following:** with buttons for **Open**, **Edit**, **Delete**, **Export**, and **Duplicate**.

Opening a Project:

Step 1. Select the project (radio button)

Step 2. Click "Open"



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

☒ **PROJECT NAME:** **MU_EXAMPLE_FARM** **OWNER:** **JOHN LORY**

Created: 4/2/2014 by John Lory Edited: 4/2/2014 by John Lory
Security Role: Project Manager Assigned by: John Lory
Operation Name: University of Missouri Plan Start: Oct., 2014
Contact: Address:
Office Phone: , MO
Home Phone: County: Boone
Email: LoryJ@missouri.edu
Notes: Example farm for demonstration.

ACTIONS

Create a new project ...

Create New

... or select a project and use the following:

Open

Edit

Delete

Export

Duplicate

Opening a Project

[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"/>	Off	Mouse wheel zoom
On	<input checked="" type="button" value="Off"/>	Labels
<input checked="" type="button" value="On"/>	Off	Setbacks
On	<input checked="" type="button" value="Off"/>	Administrative Boundaries ?
On	<input checked="" type="button" value="Off"/>	Soils ?

FIELD TOOLS

Click a field in the map to select it.

Editing Project Information:

Step 1. Select the project (radio button)
Step 2. Click "Edit"

The screenshot displays a web application interface for project management. At the top, a green navigation bar contains links: [PROJECT MGMT], [MAPPING], [NUTRIENT MGMT], [NEWS], and [ABOUT]. On the right of this bar, it says 'Welcome Training_Account ! Log Out'. Below the navigation bar, a red arrow points to a radio button next to the 'PROJECT NAME: MU_EXAMPLE_FARM' header. The main content area is divided into two columns. The left column contains project details: 'Created: 4/2/2014 by John Lory', 'Security Role: Project Manager', 'Operation Name: University of Missouri', 'Contact: Office Phone:', 'Home Phone:', 'Email: LoryJ@missouri.edu', and 'Notes: Example farm for demonstration.'. The right column contains: 'Edited: 4/2/2014 by John Lory', 'Assigned by: John Lory', 'Plan Start: Oct., 2014', 'Address: , MO', and 'County: Boone'. On the right side of the interface, an 'ACTIONS' panel lists several options: 'Create a new project ...' with a 'Create New' button, and '... or select a project and use the following:' with buttons for 'Open', 'Edit', 'Delete', 'Export', and 'Duplicate'. A red arrow points to the 'Edit' button in this panel.

PROJECT NAME:	MU_EXAMPLE_FARM	OWNER:	JOHN LORY
Created: 4/2/2014 by John Lory		Edited: 4/2/2014 by John Lory	
Security Role: Project Manager		Assigned by: John Lory	
Operation Name: University of Missouri		Plan Start: Oct., 2014	
Contact: Office Phone:		Address: , MO	
Home Phone:		County: Boone	
Email: LoryJ@missouri.edu			
Notes: Example farm for demonstration.			

ACTIONS

Create a new project ...

Create New

... or select a project and use the following:

Open

Edit

Delete

Export

Duplicate

Editing Project Information:

Allows you to update project data including the Project Name

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

EDIT PROJECT

Please enter the following information.

Project Name:
35 characters remaining Name must begin with a letter and may contain letters, numbers, dashes and underscores.

Start Year:

Start Month:

Operation:

Address:

City:

Zip:

Contact:

Office Phone:

Home Phone:

Email:

Notes:
100 characters remaining

ACTIONS

Create a new project ...

... or select a project and use the following:



Deleting a Project :

Step 1. Select the project (radio button)

Step 2. Click “Delete”

It does ask for a confirmation...

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

PROJECT NAME:	MU_EXAMPLE_FARM	OWNER:	JOHN LORY
Created: 4/2/2014 by John Lory		Edited: 5/3/2014 by John Lory	
Security Role: Project Manager		Assigned by: John Lory	
Operation Name: University of Missouri		Plan Start: Oct., 2014	
Contact: John Lory		Address: Rt. 5	
Office Phone:		Columbia, MO 65202	
Home Phone:		County: Boone	
Email: LoryJ@missouri.edu			
Notes: Example farm for demonstration.			

ACTIONS

Create a new project ...

Create New

... or select a project and use the following:

Open

Edit

Delete

Export

Duplicate

Exporting a Project :

Step 1. Select the project (radio button)

Step 2. Click "Export"



The screenshot displays a web application interface for Project Management. The top navigation bar includes links for [PROJECT MGMT], [MAPPING], [NUTRIENT MGMT], [NEWS], and [ABOUT]. The user is logged in as Training_Account and can click Log Out.

The main content area shows a project summary for **MU_EXAMPLE_FARM**, owned by **JOHN LORY**. The project details are as follows:

PROJECT NAME:	MU_EXAMPLE_FARM	OWNER:	JOHN LORY
Created: 4/2/2014 by John Lory	Edited: 5/3/2014 by John Lory		
Security Role: Project Manager	Assigned by: John Lory		
Operation Name: University of Missouri	Plan Start: Oct., 2014		
Contact: John Lory	Address: Rt. 5		
Office Phone:	Columbia, MO 65202		
Home Phone:	County: Boone		
Email: LoryJ@missouri.edu			
Notes: Example farm for demonstration.			

On the right side, under the **ACTIONS** section, there are buttons for various actions: Create a new project ... (with a Create New button), ... or select a project and use the following: (with Open, Edit, Delete, Export, and Duplicate buttons). A red arrow points to the **Export** button.

Exporting a Project :

Three options (select one or more):

1. To Purdue's MMP (you must have the program on your computer).
2. Shapefiles of the fields and setbacks.
3. Files in a Missouri Clipper download.

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

PROJECT NAME: MU

Created:
Security Role:
Operation Name:
Contact:
Office Phone:
Home Phone:
Email:
Notes:

DOWNLOAD TOOLS

This form will create a zip file containing an MMP plan that contains up to 10 years of data starting with the chosen start month.

Select the starting year and month and the number of years you want in your plan.

Start Year:

Start Month:

Number of years:

Select the files you wish to download.

- ☒ An MMP Plan file containing the latest information available
- ☐ GIS Shapefiles of fields and setbacks
- ☐ Missouri Clipper files

ONS

a new project ...

Create New

Select a project and use the

ng:

Open

Edit

Delete

Export

Duplicate

Exporting a Project :

Select all three.

Then click on “Create Zip”.

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

PROJECT NAME: MU

Created:
Security Role:
Operation Name:
Contact:
Office Phone:
Home Phone:
Email:
Notes:

DOWNLOAD TOOLS

This form will create a zip file containing an MMP plan that contains up to 10 years of data starting with the chosen start month.

Select the starting year and month and the number of years you want in your plan.

Start Year:

Start Month:

Number of years:

Select the files you wish to download.

- ☒ An MMP Plan file containing the latest information available
- ☒ GIS Shapefiles of fields and setbacks
- ☒ Missouri Clipper files [i](#)

ONS

a new project ...

Create New

Select a project and use the

ng:

Open

Edit

Delete

Export

Duplicate

Exporting a Project : To download the files click the link.

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

PROJECT NAME: MU

Created: 4
Security Role: P
Operation Name: U
Contact:
Office Phone:
Home Phone:
Email: L
Notes: E

DOWNLOAD TOOLS

This form will create a zip file containing an MMP plan that contains up to 10 years of data starting with the chosen start month.

Select the starting year and month and the number of years you want in your plan.

Start Year:

Start Month:

Number of years:

Select the files you wish to download.

- ☒ An MMP Plan file containing the latest information available
- ☒ GIS Shapefiles of fields and setbacks
- ☒ Missouri Clipper files 

Click to download: [MU Example Farm 2014-04-05t210500.zip](#)

ONS

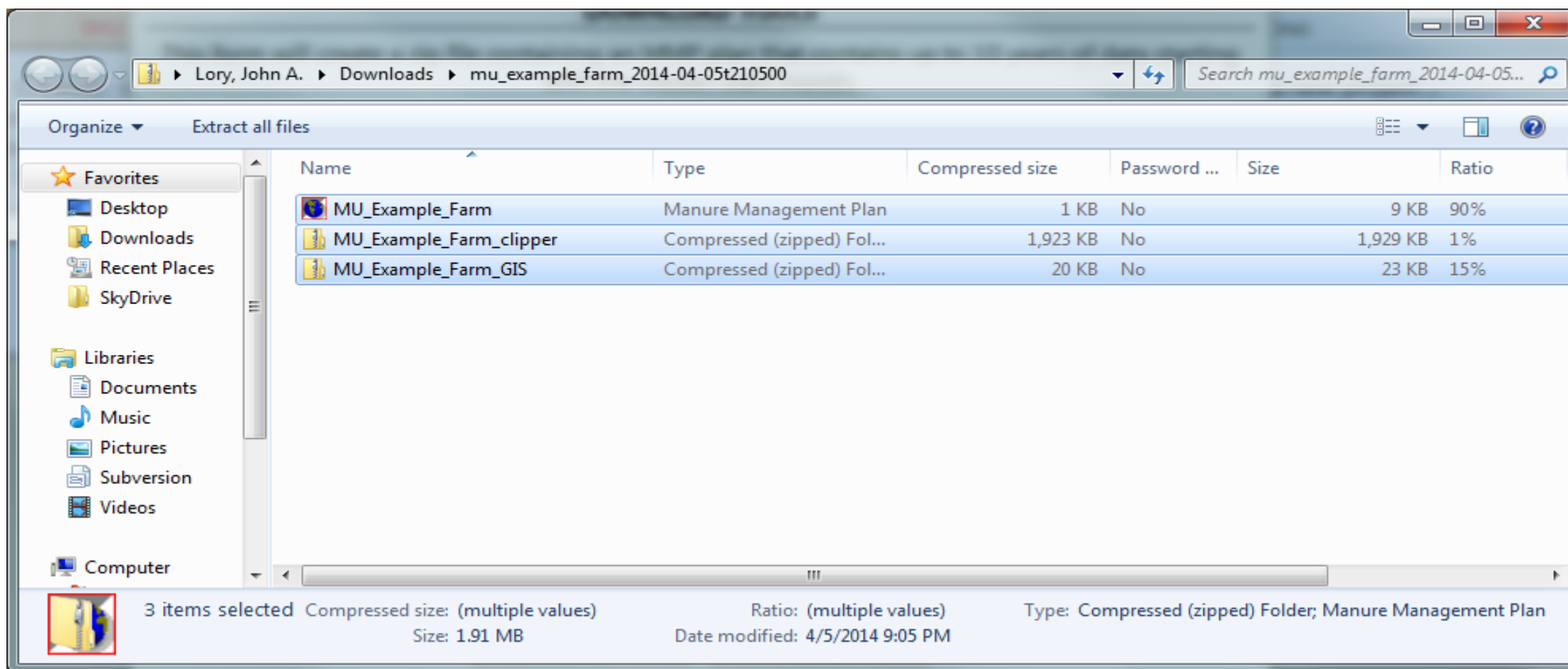
a new project ...

ect a project and use the
ng:

Exporting a Project :

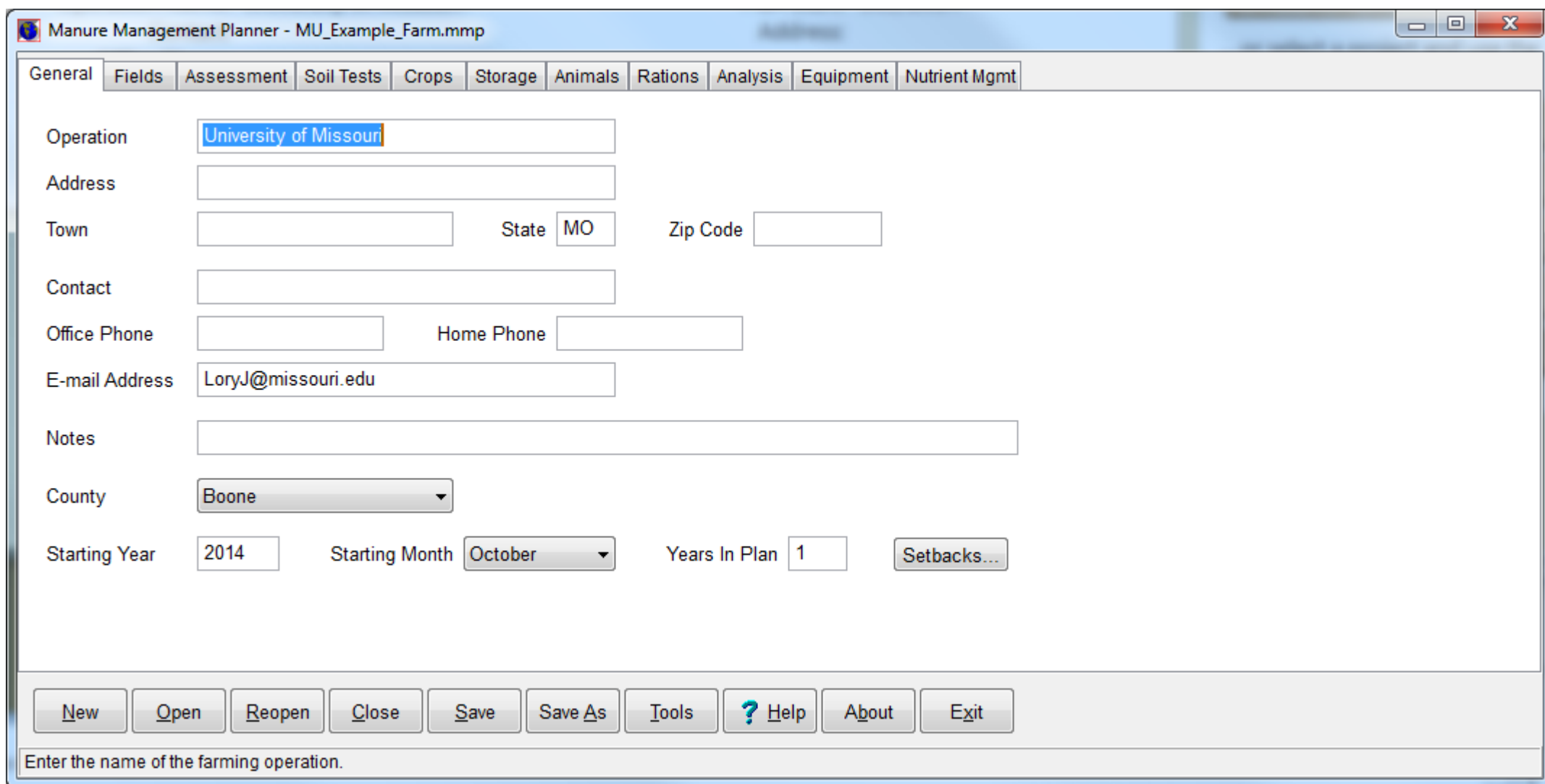
The download has the MMP file and the Clipper files and GIS shapefiles as compressed files.

Save the files to your project file.



Exporting a Project :

Open the MMP file.



Manure Management Planner - MU_Example_Farm.mmp

General Fields Assessment Soil Tests Crops Storage Animals Rations Analysis Equipment Nutrient Mgmt

Operation

Address

Town State Zip Code

Contact

Office Phone Home Phone

E-mail Address

Notes

County

Starting Year Starting Month Years In Plan

Enter the name of the farming operation.

Exporting a Project :

Open the MMP file.

Manure Management Planner - MU_Example_Farm.mmp

General Fields Assessment Soil Tests Crops Storage Animals Rations Analysis Equipment Nutrient Mgmt

Field ID	Subfield ID	Total Size (Acres)	Spreadable Size (Acres)	Storage Distance (Miles)	County (If Different From Operation's County)	Predominant Soil Type (Name, Texture, Survey Area ID, Map Symbol, Slope Range)	Slope % (If Not Ave.)	Irrigated With Water	Is Not Owned	Watershed 12-Digit Code
» 1		13.6	11.9			Weller SIL (019 60028 5-9%)				
2	A	11.8	10.1			Arisburg SIL (019 60011 3-6%)				
2	C	16.3	15.2			Arisburg SIL (019 60011 3-6%)				
2	B	23.2	22.4			Arisburg SIL (019 60010 1-3%)				
3		11.3	11.3			Keswick SIL (019 50008 5-9%)				
4		12	10.8			Keswick SIL (019 50008 5-9%)				
5	A	17.2	17			Arisburg SIL (019 60010 1-3%)				
5	B	28	27.5			Arisburg SIL (019 60011 3-6%)				
6		22.3	21.6			Arisburg SIL (019 60010 1-3%)				
7		21.3	19.7			Weller SIL (019 60028 5-9%)				
8		7.8	7.5			Keswick SIL (019 50008 5-9%)				

Soil Info...

New Open Reopen Close Save Save As Tools ? Help About Exit

Select the field's predominant soil type.



For more information on NMTracker.

- NMTracker website at 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.