

NuMan Pro 5.0: Entering Organic Amendment Information on the Scenarios Page

Introduction The “Scenarios” page is used to identify management practices for individual fields such as type and quantity of organic material to be applied, crops to be planted, yield goal, tillage method, and legume credits.

Information about manure and other organic materials is entered in the **Organics Grid** at the top of the page and crop information in the **Crop Grid** below. This document will focus on how to enter information about organic amendments that will be used on the farm.

Contents In this document, you will find instructions for:

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- [“Applying” an organic material to a field or deleting one](#)
- [Including split manure applications](#)

Adding an organic material to NuMan Pro

Instructions

Step	Action
1	<p>Click the “Organics” icon on the Tool bar to open the Organics List.</p>
2	<p>To add a new organic material to the Organics list, click the “Add” button on the right side of the organics box.</p> <p>An empty “Edit organics item” box will open.</p>

3

Enter identifying information in the **Source** box to help you find this organic item later. This is especially important if there are multiple manures listed for the plan.

The screenshot shows the 'Edit organics item' dialog box with the following fields and values:

- Bookkeeping:**
 - Lab #: []
 - Test Date: []
 - County: []
 - Tract: []
 - Source: [] (highlighted with a red box)
 - Class: Manure
 - Status: []
- Management:**
 - Imported:
 - Alum:
 - Has storage:
- Analysis:**
 - N%: 0
 - NH4-N%: 0
 - NO3-N%: 0
 - P2O5%: 0
 - K2O%: 0
 - Ca%: 0
 - Mg%: 0
 - Cu(ppm): 0
 - Mn(ppm): 0
 - Zn(ppm): 0
 - S%: 0
 - Moist%: 0
 - Lbs/100 gal: 0.0

Buttons: Cancel, Add to organics list

Then enter the **Class, Type,** and **Status** of the organic material using the drop-down menus.

The screenshot shows the 'Edit organics item' dialog box with the following fields and values:

- Bookkeeping:**
 - Lab #: []
 - Test Date: []
 - County: []
 - Tract: []
 - Source: Manure Shed
 - Class: Manure
 - Type: Beef
 - Status: Solid (dropdown menu is open showing Solid and Liquid)
- Management:**
 - Imported:

4

Complete the rest of the box by entering **Bookkeeping** and Nutrient **Analysis** information.

Be sure that the manure analysis information is entered on a “wet” or “as-received” basis, and that the nutrients are entered as %N, %NH₄, %P₂O₅, and %K₂O.

**If your manure analysis reports data on a dry basis, or as %P and %K, see the help document in the [Plan Writing Tools Manure section](#) on the ANMP website entitled, "Converting Nutrient Contents of Waste from a Dry-Weight Basis to an As-Received (Wet) Basis".

5 After all data have been entered, click "Add to organics list" in the bottom right corner to enter the organic material into the Organics List.

6 Click "OK" to save and close the information in the Organics List.

**Clicking "Cancel" will close the Organics List and discard any changes, so be careful!

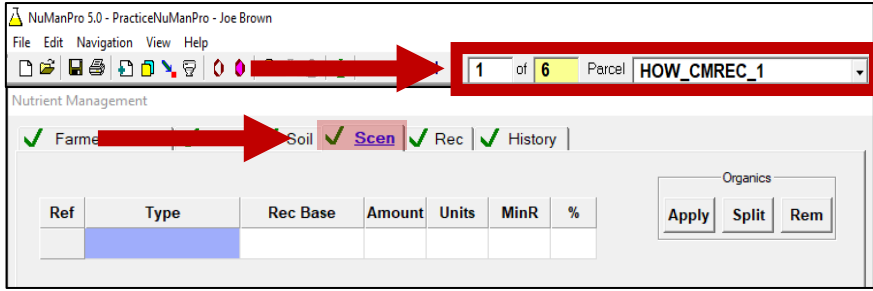
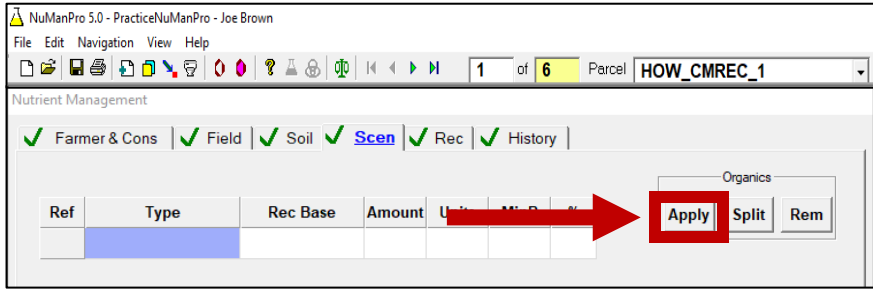
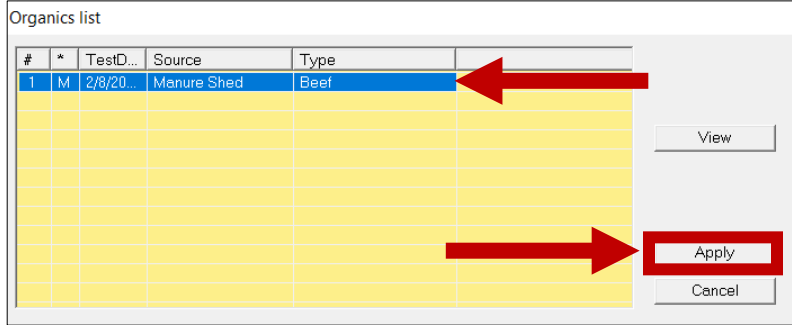
7 If additional Organic sources need to be added, repeat steps 1-6.

8 Remember to save your work! There is **no autosave feature** in *NuMan Pro*.

“Applying” an organic material to a field or deleting one

Instructions

In order to generate nutrient recommendations for a field using an organic amendment, you will need to “apply” the amendment to the field. This is done in the “Scenarios” tab of *NuMan Pro*.

Step	Action
1	<p>Choose the field which will receive the organic material from the Navigation Bar, then click on the “Scenarios” tab in the Nutrient Management work area.</p> 
2	<p>In the upper right-hand corner, click on “Apply” in the Organics menu.</p> 
3	<p>The Organics List will open, and you will see the manure information you previously entered. Highlight the manure to be applied to the field by clicking on it.</p>  <p>Then click on “Apply”.</p>

- 4 The organic material will now show up in the **Organics** grid at the top of the “Scenarios” page.

Nutrient Management

Farmer & Cons
 Field
 Soil
 Scen
 Rec
 History

Ref	Type	Rec Base	Amount	Units	MinR	%
1-1	Beef S	Preset Rate	0.0	tons/A	0.35	100

This is the **Organics grid**

- 5 You must now choose whether the manure will be applied at a pre-set rate, or at a rate that supplies all of the crop’s needs for nitrogen, phosphorus soil test, or potassium soil test. To change the basis of the recommendation, click on the drop down arrow under **Rec Base** and select the basis you wish to use.

Ref	Type	Rec Base	Amount	Units	MinR	%
1-1	Beef S	Preset Rate		tons/A	0.35	100

If choosing a “Preset Rate”, you must next enter the **Amount** your client wishes to apply (in tons per acre or gallons per acre, depending on the type of organic material being applied).

Ref	Type	Rec Base	Amount	Units	MinR	%
1-1	Beef S	Preset Rate	8.0	tons/A	0.35	100

You can change the application units to lbs per 1000 ft² or gallons per 1000 ft² by **right clicking** on the blue “Units” cell.

Ref	Type	Rec Base	Amount	Units	MinR	%
1-1	Beef S	Preset Rate	8	lb/ksf	0.35	100

- 6 If the field is under no-till management, move to Step 7. If the field is under conservation or conventional tillage, click on the “Recommendations” tab in the Nutrient Management work area.

Nutrient Management

Farmer & Cons
 Field
 Soil
 Scen
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 History

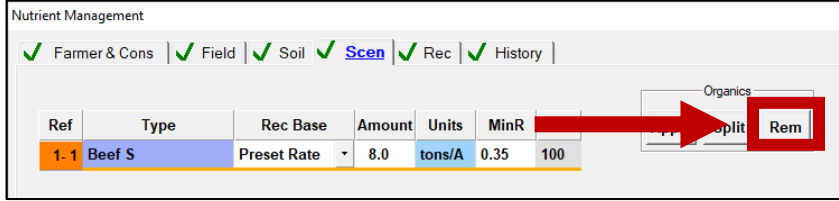
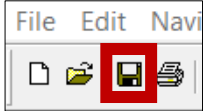
In the upper part of the **Recommendations Grid**, use the drop-down menu to choose the time to incorporation (**Incorp**).

Organics	N	P2O5	K2O	Amount	Units	Incorp
Appl Split 1	37	40	131	8.0	tons/A	< 1 hr
						1-3 hr
						3-6 hr
						6-12 hr
						12-24 hr

Now go back to the “Scenarios” page.

Nutrient Management


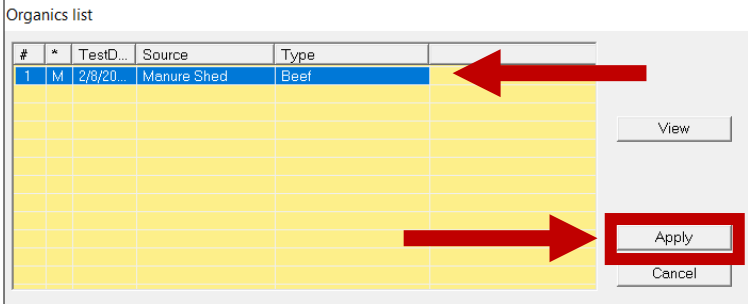
Farmer & Cons
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 Soil
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7	<p>If you would like to delete an organic material from a field, simply click on “Rem” in the Organics menu.</p> 
8	<p>Remember to save your work! There is no autosave feature in <i>NuMan Pro</i>.</p> 

Including split manure applications

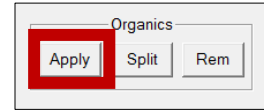
Instructions

Split manure applications occur when: A) manure is applied at different times during the crop’s growing cycle or B) when more than one manure is applied to the same field to jointly accommodate the crop’s nutrient requirements. This most often occurs on dairy operations. When entered into *NuMan Pro*, split applications are combined into what is called an **Organics Package**.

Step	Action
1	<p>Add the split-applied organic material in the “Scenarios” tab using one of the following methods:</p> <p>A. Add the same manure more than once with the same or different pre-set rates.</p> <ul style="list-style-type: none"> Using the instructions in the previous section, apply your first organic material. Click the “Split” button next to the Organics menu to display the organics list. Select the same, or another, material listed and click “Apply”.   <p>OR</p>

B. Add more than one type of manure to the same crop:

- Click the “Apply” button next to the **Organics Grid** to display the organics list.



- Hold the **Ctrl** key on your keyboard while clicking on up to three materials with the mouse. Then click “Apply”.

Organics list

#	*	TestD...	Source	Type
1	M	2/15/2...	Manure Shed	Beef
2	M	2/8/20...	Beef2016	Beef

View

Apply

Cancel

Now the **Organics grid** will show the **Organics Package** on the “Scenarios” tab.

Ref	Type	Rec Base	Amount	Units	MinR	%
1 - 1	Beef S	Preset Rate	8.0	tons/A	0.35	100
1 - 1	Beef S		0.0	tons/A	0.35	0

2 Choose which **Rec Base** your client wishes to use. This can only be chosen for the entire package, not for each individual manure.

- A. If a “Preset Rate” has been selected, the percentage (%) column will not be used. Simply enter the pre-set **Amount for each manure** that the farmer intends to use.

Ref	Type	Rec Base	Amount	Units	MinR	%
1 - 1	Beef S	Preset Rate	8.0	tons/A	0.35	100
1 - 2	Beef S		8.0	tons/A	0.35	0

OR

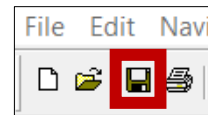
- B. If a nitrogen-, phosphorus- or potassium-based plan is selected, the **Amount** column will not be used. By default, the first listing's percentage (%) text box in an **Organics Package** will show a value of 100 and the remaining listings in the package will show a percentage value of zero (0).
- If there are 2 listings in the **Organic Package**, allocate the relative proportions of organic material by placing

the cursor in the percent text box for the first listing and enter a percentage amount less than 100 (e.g. 60). The remainder (i.e. 40) will be automatically deposited into the second listing's percentage text box.

Ref	Type	Rec Base	Amount	Units	MinR	%
1- 1	Beef S	Nitrogen	0.0	tons/A	0.35	60
1- 2	Beef S		0.0	tons/A	0.35	40

- b. If there are three listings in the **Organics Package**, place the cursor focus in the percentage text box of the first and second listings and enter a percentage amount for each. The remainder will be deposited into the third listing's percent cell.

3 Remember to save your work! There is **no autosave feature** in *NuMan Pro*.



Note **Organics packages** are limited to a maximum of three organic material listings and are separated from other **Organic packages** by a thick orange line.

Ref	Type	Rec Base	Amount	Units	MinR	%
1- 1	Beef S	Nitrogen	0.0	tons/A	0.35	60
1- 2	Beef S		0.0	tons/A	0.35	40
2- 1	Beef S	Preset Rate	8.0	tons/A	0.35	100

You can also tell the packages apart by the numbering system in the **Ref** column. In the example below, the top two manures are linked and the first number in the **Ref** column is "1".

Ref	Type	Rec Base	Amount	Units	MinR	%
1- 1	Beef S	Nitrogen	0.0	tons/A	0.35	60
1- 2	Beef S		0.0	tons/A	0.35	40
2- 1	Beef S	Preset Rate	8.0	tons/A	0.35	100