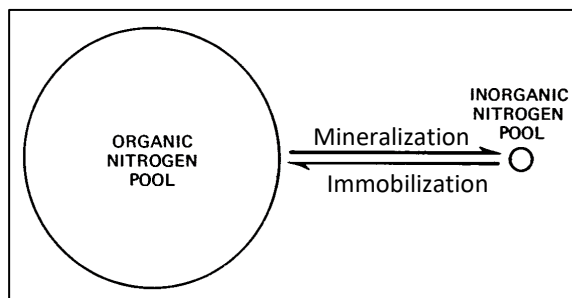


NuMan Pro 5.0: How to Use the “History” Page to Include Previous Organic Nutrient Applications

Introduction Manure contains organic forms of nitrogen. This pool of nitrogen can become available over time through the process of mineralization and must be credited toward the nitrogen requirement of the current crop.



More specifically, manure, sludge, or any other organic source applied to a field in the two previous years must be listed on the “History” page of NuMan Pro 5.0 in order to accurately account for nutrient inputs from the past.

Contents In this document, you will find instructions for:

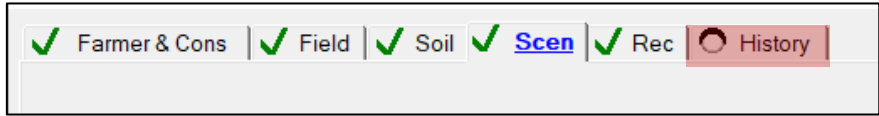
- [Using the History Page for the First Time](#)
- [Adding/Deleting Multiple Years in a Single History Year](#)
- [Streamlining Entry of History Data](#)

Using the History Page for the First Time

Instructions

Step	Action
1	<p>Enter all necessary information in the “Farmer & Cons”, “Field”, “Soil”, and “Scen” tabs.</p>

2 Open the “History” page by clicking on the tab in the **Nutrient Management** work area.



You will see a grid where previous years of organic nutrient applications will be listed. You should see the previous two years in the grid.

- If not, go to the “Scenarios” page. In the bottom left corner you will see where you can **Select Year**. Use the drop down menu to choose the current plan year. Now you should see the previous two years on the “History” page.

Year	2019	2018
Type		
Min.Rate		
Amount		
Units		
N% (total)		
NH4-N %		
NO3-N %		
Avl org N%		
L.Weight		

3 You can enter new history information by selecting the manure **Type** from the drop-down menu.

Year	2019	2018
Type		
Min.Rate		
Amount		
Units		
N% (total)		
NH4-N %		
NO3-N %		
Avl org N%		
L.Weight		

The appropriate nitrogen mineralization rate for that material and year of application will automatically populate in the green shaded box.

Year	2019
Type	Dairy S
Min.Rate	0.18

4	<p>A. Confirm with the operator that the field did in fact receive manure and the actual amount that was applied. Enter this in the Amount section, then select the appropriate Units for application rate.</p> <p>B. Enter total nitrogen, ammonium, and nitrate content from the manure analysis done on the material.</p> <p>C. The available organic nitrogen will be calculated and will appear in the second green shaded box.</p> <p>Remember to save your work periodically. There is no autosave feature in <i>NuMan Pro</i>!</p>	<table border="1"> <tr><td>Year</td><td>2019</td></tr> <tr><td>Type</td><td>Dairy S</td></tr> <tr><td>Min.Rate</td><td>0.18</td></tr> <tr><td>Amount</td><td>0.0</td></tr> <tr><td>Units</td><td>tons/A</td></tr> <tr><td>N% (total)</td><td>0.0000</td></tr> <tr><td>NH4-N %</td><td>0.0000</td></tr> <tr><td>NO3-N %</td><td>0.0000</td></tr> <tr><td>Avl org N%</td><td>0.0000</td></tr> <tr><td>L.Weight</td><td></td></tr> <tr><td></td><td>Delete</td></tr> </table> <p>A.</p> <p>B.</p> <p>C.</p>	Year	2019	Type	Dairy S	Min.Rate	0.18	Amount	0.0	Units	tons/A	N% (total)	0.0000	NH4-N %	0.0000	NO3-N %	0.0000	Avl org N%	0.0000	L.Weight			Delete
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5	<p>If an operator uses an organic material that is not listed, you can manually enter details about the material, including mineralization rate, by selecting "Other".</p> <ul style="list-style-type: none"> Some other types of organic material must have mineralization rates input manually. These types are wastewater effluent (abbreviated W W Eff), digestate (dgst), biochar (bich), and Class A biosolids (PFRP). <p>**Make sure you keep documentation in the client's file of the mineralization rate you choose for these materials.</p>																							

**Adding/
Deleting
Multiple Years
in a Single
History Year**

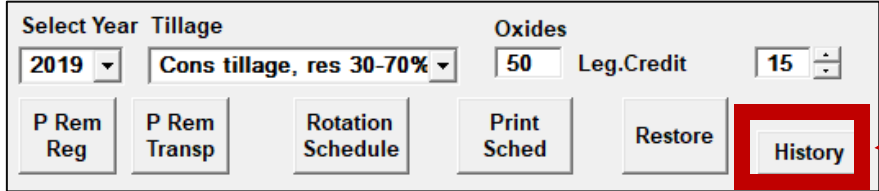
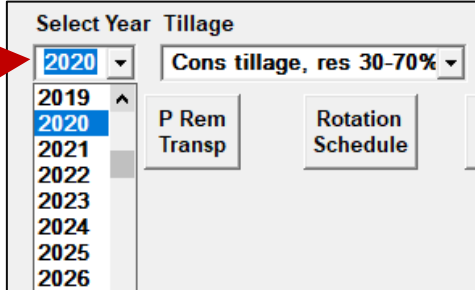
Instructions

Step	Action																																												
1	Enter the first manure for the year following the instructions above.																																												
2	<p>To add a second manure, double left-click on the year column heading, and a new column for that year will open. You can add up to four columns per year.</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2019</th> <th>2019</th> <th>2018</th> </tr> </thead> <tbody> <tr> <td>Type</td> <td>Dairy S</td> <td></td> <td></td> </tr> <tr> <td>Min. Rate</td> <td>0.18</td> <td></td> <td></td> </tr> <tr> <td>Amount</td> <td>8.0</td> <td></td> <td></td> </tr> <tr> <td>Units</td> <td>tons/A</td> <td></td> <td></td> </tr> <tr> <td>N% (total)</td> <td>0.7700</td> <td></td> <td></td> </tr> <tr> <td>NH4-N %</td> <td>0.1200</td> <td></td> <td></td> </tr> <tr> <td>NO3-N %</td> <td>0.0000</td> <td></td> <td></td> </tr> <tr> <td>Avl org N%</td> <td>0.1170</td> <td></td> <td></td> </tr> <tr> <td>L. Weight</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Delete</td> <td></td> <td></td> </tr> </tbody> </table>	Year	2019	2019	2018	Type	Dairy S			Min. Rate	0.18			Amount	8.0			Units	tons/A			N% (total)	0.7700			NH4-N %	0.1200			NO3-N %	0.0000			Avl org N%	0.1170			L. Weight					Delete		
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**Streamlining
Entry of
History Data**

Instructions

If you are returning to a file to update it for a new planning year, you can transfer previous manure application data from the “Scen” page to the “History” page. Remember to confirm which fields actually received manure, and the rate at which the manure was applied.

Step	Action																																	
1	Open the file you wish to update.																																	
2	<p>Open the “Scen” tab and click “History” in lower right corner to save the primary manure scenario for the current year to history.</p>  <p>A window will pop up to ask “Do you want to save primary scenario at the current year history?”. Click on “Yes”.</p>																																	
3	<p>Next, update the crop year for next year’s plan by using the drop-down menu beneath Select Year.</p> 																																	
4	<p>Verify that the organic nutrient application now appears on the history page.</p> <p>**If the operator applied manure to the field, but at a different rate than what was written in the NMP, you can also edit this entry on the “History” page to reflect what was actually done.</p> <table border="1" data-bbox="954 1352 1416 1776"> <thead> <tr> <th>Year</th> <th>2019</th> <th>2018</th> </tr> </thead> <tbody> <tr> <td>Type</td> <td>Dairy S</td> <td></td> </tr> <tr> <td>Min.Rate</td> <td>0.18</td> <td></td> </tr> <tr> <td>Amount</td> <td>8.0</td> <td></td> </tr> <tr> <td>Units</td> <td>tons/A</td> <td></td> </tr> <tr> <td>N% (total)</td> <td>0.7700</td> <td></td> </tr> <tr> <td>NH4-N %</td> <td>0.1200</td> <td></td> </tr> <tr> <td>NO3-N %</td> <td>0.0000</td> <td></td> </tr> <tr> <td>Avl org N%</td> <td>0.1170</td> <td></td> </tr> <tr> <td>L.Weight</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Delete</td> <td></td> </tr> </tbody> </table>	Year	2019	2018	Type	Dairy S		Min.Rate	0.18		Amount	8.0		Units	tons/A		N% (total)	0.7700		NH4-N %	0.1200		NO3-N %	0.0000		Avl org N%	0.1170		L.Weight				Delete	
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