

NuMan Pro 5.0: Understanding the Recommendations tab

Introduction The “Recommendations” page displays all fertilizer and organic material recommendations based on the information entered into the “Soils” and “Scenarios” pages as well as published recommendations from the University of Maryland. As required by the State of Maryland, all recommendations are both nitrogen and phosphorus based.

Contents In this document, you will find descriptions for the following areas of the “Recommendations” page:

- A. [Crop Needs Grid](#)
- B. [Scenario List](#)
- C. [Recommendations Grid](#)
- D. [Ag Lime Rate](#)
- E. [Organics Toggle](#)
- F. [PSNT Button](#)
- G. [Notes Button](#)
- H. [Lock check box](#)

Understanding the “Recs” Page Instructions On the “Recs” page, you will see several grids and buttons. View the following labeled screen and review the label descriptions below to understand the information displayed in each section.

The screenshot shows the 'Rec' tab in the software interface. At the top, there are navigation tabs: 'Farmer & Cons', 'Field', 'Soil', 'Scen', 'Rec' (selected), and 'History'. Below the tabs is a table with columns for N, P2O5, K2O, M, #, Crop, and Org. The first row shows 'Crop needs' with values 140, 59, 41, and a crop of 'Corn grain, conservation till'. To the right of this table is a 'Ag lime rate, t/A' input field with the value 0.7. Below the first table is a 'High C/N winter cover crop' checkbox. The next section is an 'Organics' table with columns for N, P2O5, K2O, Amount, Units, #, and Incorporation. Below this is a summary table with rows for 'Total Organics', 'Total Fertilizer', 'broadcast', 'banded w/planter', and 'sidedress'. On the right side of the interface, there are several buttons: a 'PSNT' button (labeled F), a 'Notes' button (labeled G), a 'Lock' checkbox (labeled H), and an 'Organics Toggle' button (labeled E). A 'Crop Needs Grid' (labeled A) is overlaid on the first table, and a 'Scenario List' (labeled B) is overlaid on the second table. A 'Recommendations Grid' (labeled C) is overlaid on the third table, with 'C (upper)' and 'C (lower)' labels. A 'Lock check box' (labeled H) is also shown.

Label	Description																																																								
<p>A</p>	<p>The Crop Needs Grid in the upper left corner of the page displays the nitrogen (N), phosphate (P₂O₅), and potash (K₂O) crop needs based on soil analysis results and anticipated crop yields if applicable.</p> <ul style="list-style-type: none"> Any applicable nitrogen credits are listed below the crop needs. <ul style="list-style-type: none"> Nitrogen credits can be turned off due to a previous high C/N ratio winter cover crop by selecting the check box below the grid The units of measurement are displayed in the bottom right corner of this grid. These are the units used for the nutrients unless otherwise indicated (i.e. the amounts of organic materials may have specific units as indicated in the Organics Grid). <p>For a field receiving organic materials, the basis of the recommendations will be indicated by a red background cell at the top of the Crop Needs Grid. The highlighted red cell will be N for a nitrogen-based plan, P₂O₅ for phosphorus-based, K₂O for potassium-based, or the blank cell at the far left for a Pre-Set rate (the latter is shown to the right).</p> <p>If no organic material is indicated on the “Scenarios” page, there will be no basis highlighted in red.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <table border="1" style="margin-bottom: 10px;"> <thead> <tr><th></th><th>N</th><th>P2O5</th><th>K2O</th></tr> </thead> <tbody> <tr><td>Crop needs</td><td>140</td><td>59</td><td>41</td></tr> <tr><td>Legume credit</td><td>15</td><td colspan="2" rowspan="3">lb/A</td></tr> <tr><td>Manure credit</td><td>20</td></tr> <tr><td>Sludge credit</td><td>0</td></tr> <tr><td colspan="4"><input type="checkbox"/> High C/N winter cover crop</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th></th><th>N</th><th>P2O5</th><th>K2O</th></tr> </thead> <tbody> <tr><td>Crop needs</td><td>140</td><td>59</td><td>41</td></tr> <tr><td>Legume credit</td><td></td><td colspan="2" rowspan="3">lb/A</td></tr> <tr><td>Manure credit</td><td></td></tr> <tr><td>Sludge credit</td><td></td></tr> <tr><td colspan="4"><input checked="" type="checkbox"/> High C/N winter cover crop</td></tr> </tbody> </table> </div>		N	P2O5	K2O	Crop needs	140	59	41	Legume credit	15	lb/A		Manure credit	20	Sludge credit	0	<input type="checkbox"/> High C/N winter cover crop					N	P2O5	K2O	Crop needs	140	59	41	Legume credit		lb/A		Manure credit		Sludge credit		<input checked="" type="checkbox"/> High C/N winter cover crop																			
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<p>B</p>	<p>The Scenario List is where all possible scenarios (crop/organic material combinations) will be shown.</p> <ul style="list-style-type: none"> The recommendations for the highlighted crop or crop/organic material combination in this section are the only ones shown on the “Recommendations” page at a time. To change which recommendations are displayed, simply click on another crop or crop/organic material combination. By default, the first thing in the list is shown. <p><u>For example:</u></p> <p>a. View the crop needs when corn grain is selected.</p> <div style="display: flex; align-items: center;"> <table border="1" style="margin-right: 10px;"> <thead> <tr><th></th><th>N</th><th>P2O5</th><th>K2O</th></tr> </thead> <tbody> <tr><td>Crop needs</td><td>140</td><td>59</td><td>41</td></tr> <tr><td>Legume credit</td><td>15</td><td colspan="2" rowspan="3">lb/A</td></tr> <tr><td>Manure credit</td><td>20</td></tr> <tr><td>Sludge credit</td><td>0</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th>M</th><th>#</th><th>Crop</th><th>Org</th></tr> </thead> <tbody> <tr><td></td><td>2</td><td>Corn grain, conservation till</td><td>-</td></tr> <tr><td></td><td>10</td><td>Soybeans</td><td>-</td></tr> </tbody> </table> </div> <p>b. Now soybeans are selected and the crop needs have changed.</p> <div style="display: flex; align-items: center;"> <table border="1" style="margin-right: 10px;"> <thead> <tr><th></th><th>N</th><th>P2O5</th><th>K2O</th></tr> </thead> <tbody> <tr><td>Crop needs</td><td>0</td><td>96</td><td>53</td></tr> <tr><td>Legume credit</td><td>15</td><td colspan="2" rowspan="3">lb/A</td></tr> <tr><td>Manure credit</td><td>20</td></tr> <tr><td>Sludge credit</td><td>0</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th>M</th><th>#</th><th>Crop</th><th>Org</th></tr> </thead> <tbody> <tr><td></td><td>2</td><td>Corn grain, conservation till</td><td>-</td></tr> <tr><td></td><td>10</td><td>Soybeans</td><td>-</td></tr> </tbody> </table> </div>		N	P2O5	K2O	Crop needs	140	59	41	Legume credit	15	lb/A		Manure credit	20	Sludge credit	0	M	#	Crop	Org		2	Corn grain, conservation till	-		10	Soybeans	-		N	P2O5	K2O	Crop needs	0	96	53	Legume credit	15	lb/A		Manure credit	20	Sludge credit	0	M	#	Crop	Org		2	Corn grain, conservation till	-		10	Soybeans	-
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C

The **Recommendations Grid** is divided into two parts:

- The upper part is for organic material recommendations.
- The lower part is for commercial fertilizer recommendations or fertilizer supplements of organic recommendations.

If the highlighted scenario contains an organic application, the page will display nutrient content, rate, and incorporation information about the application in the **Recommendations Grid**.

Organics	N	P2O5	K2O	Amount	Units	#	Incorp
Appl Split 1	39	50	115	8.0	tons/A	1	24-48 hr
Total Organics	39	50	115	Mg			
Total Fertilizer	66	9					
broadcast							
banded w/planter	21	9					
sidedress	45						

If no organic material is indicated on the “Scenarios” page, a fertilizer recommendation will be the only recommendation type available for that field and there will be no organic application information.

Organics	N	P2O5	K2O	Amount	Units	#	Incorp
Total Organics				Mg			
Total Fertilizer	105	59	41				
broadcast	30	30					
banded w/planter	30	29	41				
sidedress	45						

D

AG lime rate, t/A shows the Agronomic Lime recommendations in tons per acre.

Ag lime rate, t/A

0.7

E

The **Organics Toggle** button indicates whether organic materials are displayed on the “Recommendations” page.



This symbol indicates that organic material recommendations are being displayed, along with supplementary fertilizer (if applicable).



This symbol means that either: 1) there are no organic materials indicated on the “Scenarios” page for this field or 2) there are organic materials indicated on the “Scenarios” page but the organic recommendations are turned off so that only the fertilizer recommendations are displayed.

Click the **Organics Toggle** button to turn the organic materials recommendations off or on (if applicable). This process can be repeated for all scenarios in the list.

F	<p>The PSNT button is only used when corn is the primary crop. PSNT accesses the Pre-Sidedress Nitrate Test dialogue where data gathered from the field test may be entered. PSNT worksheets and reports may be printed from the Print PSNT option on the File menu.</p>
G	<p>Click on the Notes button to view any notes which may accompany a recommendation.</p> <ul style="list-style-type: none"> • The Notes dialogue box will appear and all notes associated with the selected crop will be displayed. • Click “OK” to close the Notes dialogue box.
H	<p>When checked, the Lock check box will prevent additional changes to the recommendations for the field you are currently working on and retain existing adjustments for printing.</p> <div style="text-align: right;"> <input checked="" type="checkbox"/> Lock </div> <p>If it is unchecked, additional changes can be made.</p> <div style="text-align: right;"> <input type="checkbox"/> Lock </div>