

Using the Rate/Acre Calculator

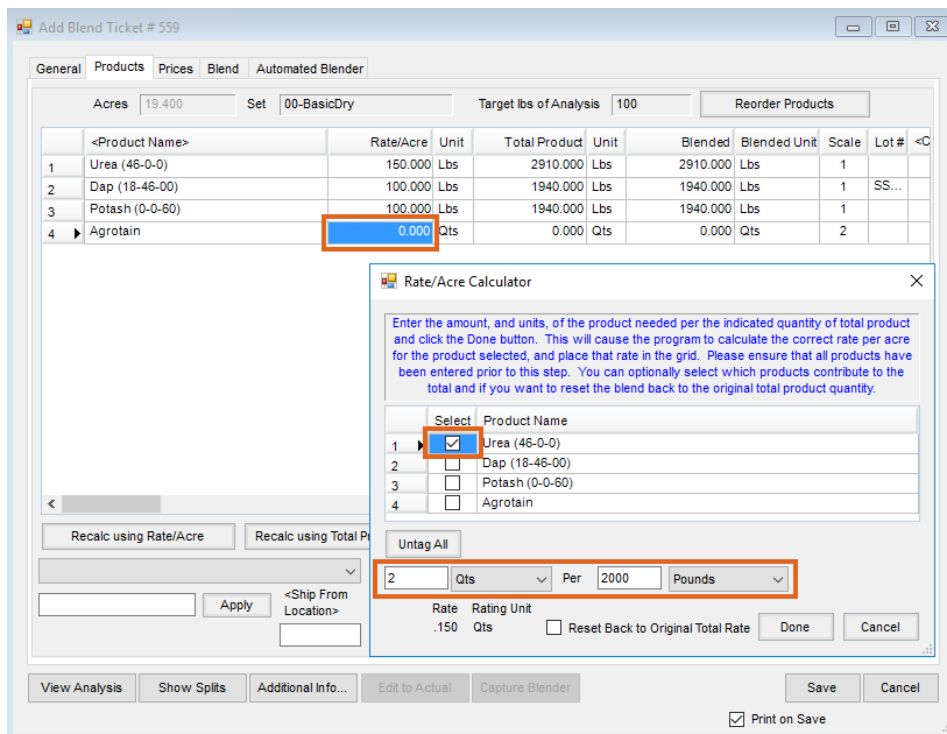
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The *Rate/Acre Calculator* is built into the Blend Ticket and Field Plan to calculate certain products per ton or per 100 gallons when creating a Blend Ticket by the acre. This tool calculates product amounts to use in dry fertilizer and chemical blends such as Agrotain, Nutrisphere, and surfactants.

- **Example 1** – Dry fertilizer Blend Ticket with Urea, Dap, Potash, and Agrotain Nitrogen Stabilizer to treat the Urea
- **Example 2** – Chemical Blend Ticket using Liberty, Section 3, Amsol Dry, and Water

Example 1

1. Select the Products, enter the *Rate/Acre* for all the Products except Agrotain, then select **Recalc using Rate/Acre**.
2. **Note:** An analysis can be optionally formulated to calculate the Products and *Rate/Acre*.
3. Right-click the *Rate/Acre* cell of Agrotain to open the *Rate/Acre Calculator* window.
4. Uncheck all Products except Urea so the rate/ton of Agrotain is calculated based on only the quantity of Urea in the blend. Another option is to select **UnTag All** then select the Urea Product.
5. Enter the rate of Agrotain per 2000 lbs of Urea to be applied. For this example, Agrotain is going to be applied at 2 Qts Per 2000 Pounds of Urea.



6. Upon selecting **Done**, the *Rate/Acre* of Agrotain is calculated from the total quantity of Urea in the blend.

Add Blend Ticket # 559

General Products Prices Blend Automated Blender

Acres 19.400 Set 00-BasicDry Target lbs of Analysis 100 Reorder Products

| | <Product Name> | Rate/Acre | Unit | Total Product | Unit | Blended | Blended Unit | Scale | Lot# | <C |
|---|-----------------|-----------|------|---------------|------|----------|--------------|-------|-------|----|
| 1 | Urea (46-0-0) | 150.000 | Lbs | 2910.000 | Lbs | 2910.000 | Lbs | 1 | | |
| 2 | Dap (18-46-00) | 100.000 | Lbs | 1940.000 | Lbs | 1940.000 | Lbs | 1 | SS... | |
| 3 | Potash (0-0-60) | 100.000 | Lbs | 1940.000 | Lbs | 1940.000 | Lbs | 1 | | |
| 4 | Agrotain | 0.150 | Qts | 2.910 | Qts | 2.910 | Qts | 2 | | |

Recalc using Rate/Acre Recalc using Total Product Recalc using Blended Recalc using Scale

Apply <Ship From Location>

Density 62.021 % Water 0 % Clay 0
 CuFt/Acre 5.643 Total CuFt 109.474 Est Salt Out Temp N/A
 Lbs/Acre 350 Total Lbs 6790 Est Temp Change 0

View Analysis Show Splits Additional Info... Edit to Actual Capture Blender Save Cancel

Print on Save

Example 2

1. Select the Products and enter the *Rate/Acre* for all Products except Amsol Dry. In this example, the Water was calculated using the *Adjust Water to Gal/Acre* option.
2. Left-click in the *Rate/Acre* cell of Amsol Dry to highlight the cell blue. Right-click to open the *Rate/Acre Calculator* window.
3. Leave all Products checked to calculate the rate of Amsol Dry based on the total gallons of solution. Enter the rate per 100 gallons of solution. This example uses a rate of *8 Lbs Per 100 Gallons* of solution.

Add Blend Ticket # 559

General Products Prices Blend

Acres 19.400 Set 00-BasicLiquid Target lbs of Analysis 100 Reorder Products

| | <Product Name> | Rate/Acre | Unit | Total Product | Unit | Blended | Blended Unit | Scale | Lot # | <C |
|---|-------------------|-----------|------|---------------|------|----------|--------------|-------|-------|----|
| 1 | Liberty Bulk | 32.000 | Ozs | 620.800 | Ozs | 5.000 | Ozs | 4 | | |
| 2 | Section 3 | 3.000 | Ozs | 58.200 | Ozs | 58.000 | Ozs | 4 | | |
| 3 | Amsol Dry | 0.000 | Lbs | 0.000 | Lbs | 0.000 | Lbs | 4 | | |
| 4 | Chemical Spraying | 1.000 | Acre | 19.400 | Acre | 19.400 | Acre | 5 | | |
| 5 | Water | 164.189 | Lbs | 3185.267 | Lbs | 3185.000 | Lbs | 3 | | |

Recalc using Rate/Acre Recalc using Total

Adjust Water to Gal/Acre 20 Apply <Ship From Location>

View Analysis Show Splits Additional Info... Edit to Actual Capture blender Save Cancel

Print on Save

Rate/Acre Calculator

Enter the amount, and units, of the product needed per the indicated quantity of total product and click the Done button. This will cause the program to calculate the correct rate per acre for the product selected, and place that rate in the grid. Please ensure that all products have been entered prior to this step. You can optionally select which products contribute to the total and if you want to reset the blend back to the original total product quantity.

Select Product Name

| | | |
|---|-------------------------------------|-------------------|
| 1 | <input checked="" type="checkbox"/> | Liberty Bulk |
| 2 | <input checked="" type="checkbox"/> | Section 3 |
| 3 | <input checked="" type="checkbox"/> | Amsol Dry |
| 4 | <input checked="" type="checkbox"/> | Chemical Spraying |
| 5 | <input checked="" type="checkbox"/> | Water |

Untag All

8 Lbs Per 100 Gallons

Rate Rating Unit
1.600 Lbs Reset Back to Original Total Rate Done Cancel

- Once the rate per 100 gallons has been entered, select **Done**. The *Rate/Acre* of Amsol Dry is calculated based on the total gallons of the solution.

Add Blend Ticket # 559

General Products Prices Blend

Acres 19.400 Set 00-BasicLiquid Target lbs of Analysis 100 Reorder Products

| | <Product Name> | Rate/Acre | Unit | Total Product | Unit | Blended | Blended Unit | Scale | Lot # | <C |
|---|-------------------|-----------|------|---------------|------|----------|--------------|-------|-------|----|
| 1 | Liberty Bulk | 32.000 | Ozs | 620.800 | Ozs | 620.800 | Ozs | 4 | | |
| 2 | Section 3 | 3.000 | Ozs | 58.200 | Ozs | 58.200 | Ozs | 4 | | |
| 3 | Amsol Dry | 1.600 | Lbs | 31.040 | Lbs | 31.000 | Lbs | 4 | | |
| 4 | Chemical Spraying | 1.000 | Acre | 19.400 | Acre | 19.400 | Acre | 5 | | |
| 5 | Water | 162.865 | Lbs | 3159.581 | Lbs | 3160.000 | Lbs | 3 | | |

Recalc using Rate/Acre Recalc using Total Product Recalc using Blended Recalc using Scale

<Ship From Location> Apply

| | | | | | |
|----------|---------|-----------|----------|-------------------|-----|
| Density | 8.333 | % Water | 97.727 | % Clay | 0 |
| Gal/Acre | 20 | Total Gal | 388 | Est Salt Out Temp | N/A |
| Lbs/Acre | 166.653 | Total Lbs | 3233.478 | Est Temp Change | 0 |

View Analysis Show Splits Additional Info... Edit to Actual Capture Blender Save Cancel

Print on Save