Using the Rate/Acre Calculator

Last Modified on 11/04/2025 8:17 am CST

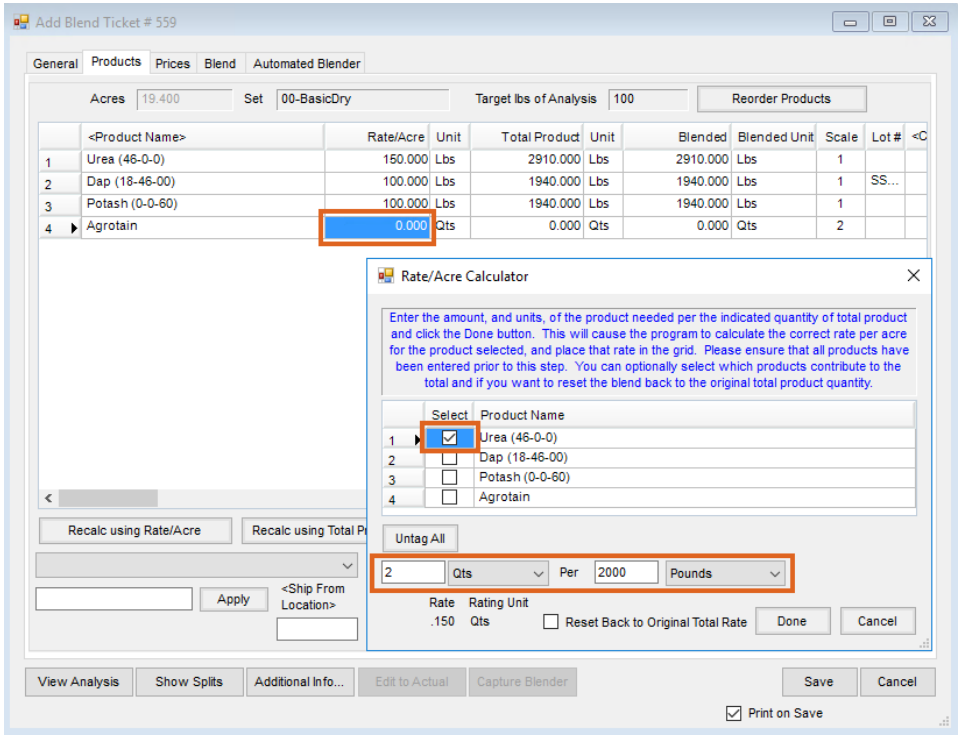
The *Rate/Acre Calculator* is built into the Blend Ticket and Field Plan to calculate certain products per ton or per 100 gallons when creating a Blend Ticket by the acre. This tool calculates product amounts to use in dry fertilizer and chemical blends such as Agrotain, Nutrisphere, and surfactants.

- **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

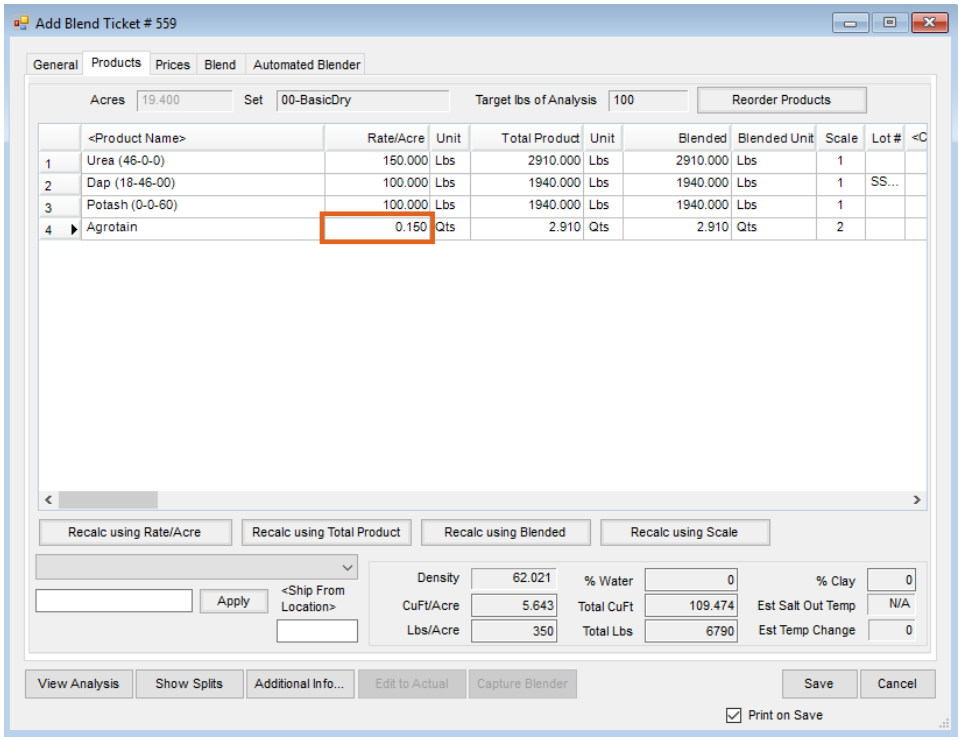
Example 1

1. Select the Products, enter the *Rate/Acre* for all the Products except Agrotain, then select **Recalc using Rate/Acre**.

   Note: An analysis can be optionally formulated to calculate the Products and *Rate/Acre*.
2. Right-click the *Rate/Acre* cell of Agrotain to open the *Rate/Acre Calculator* window.
3. 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.
4. 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.

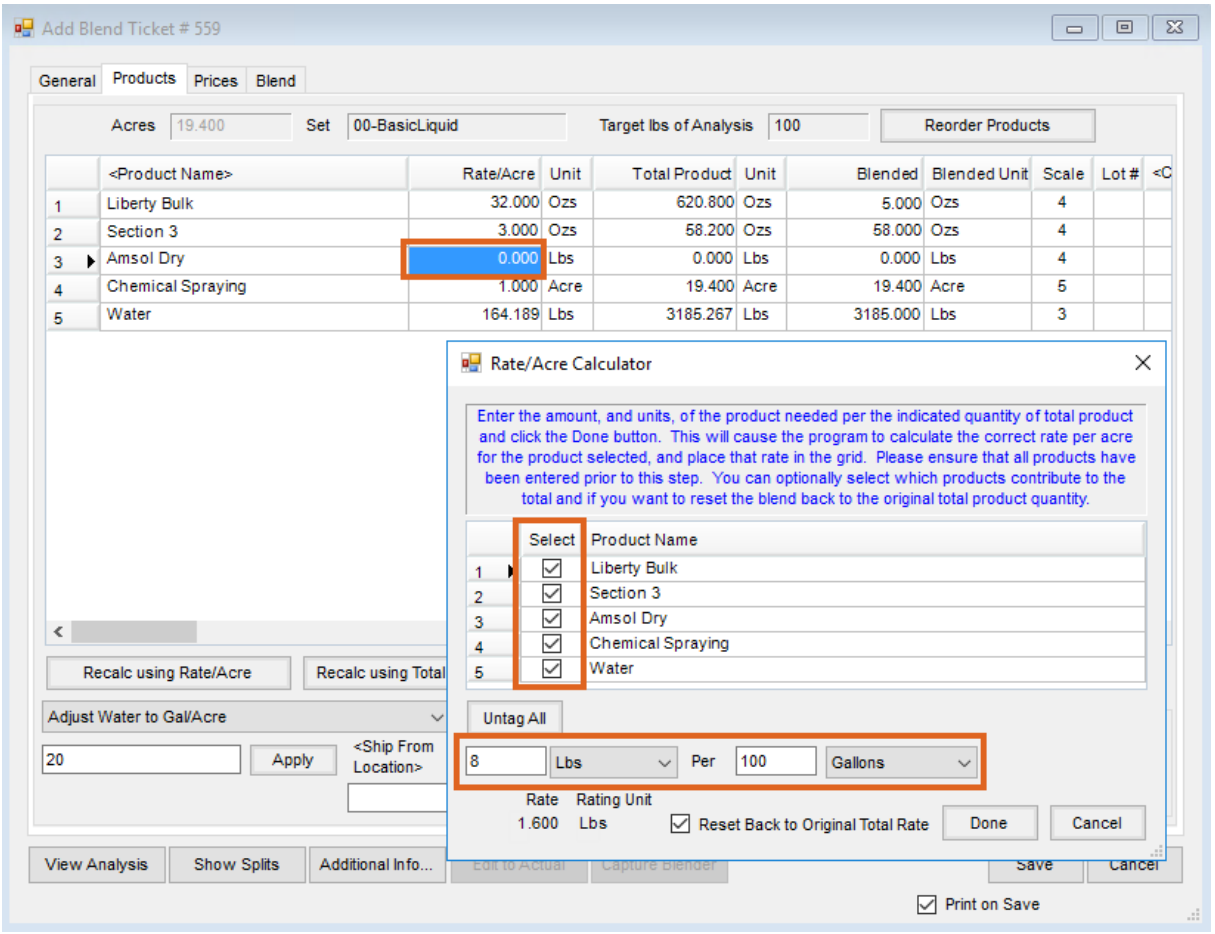


5. Upon selecting **Done**, the *Rate/Acre* of Agrotain is calculated from the total quantity of Urea in the blend.

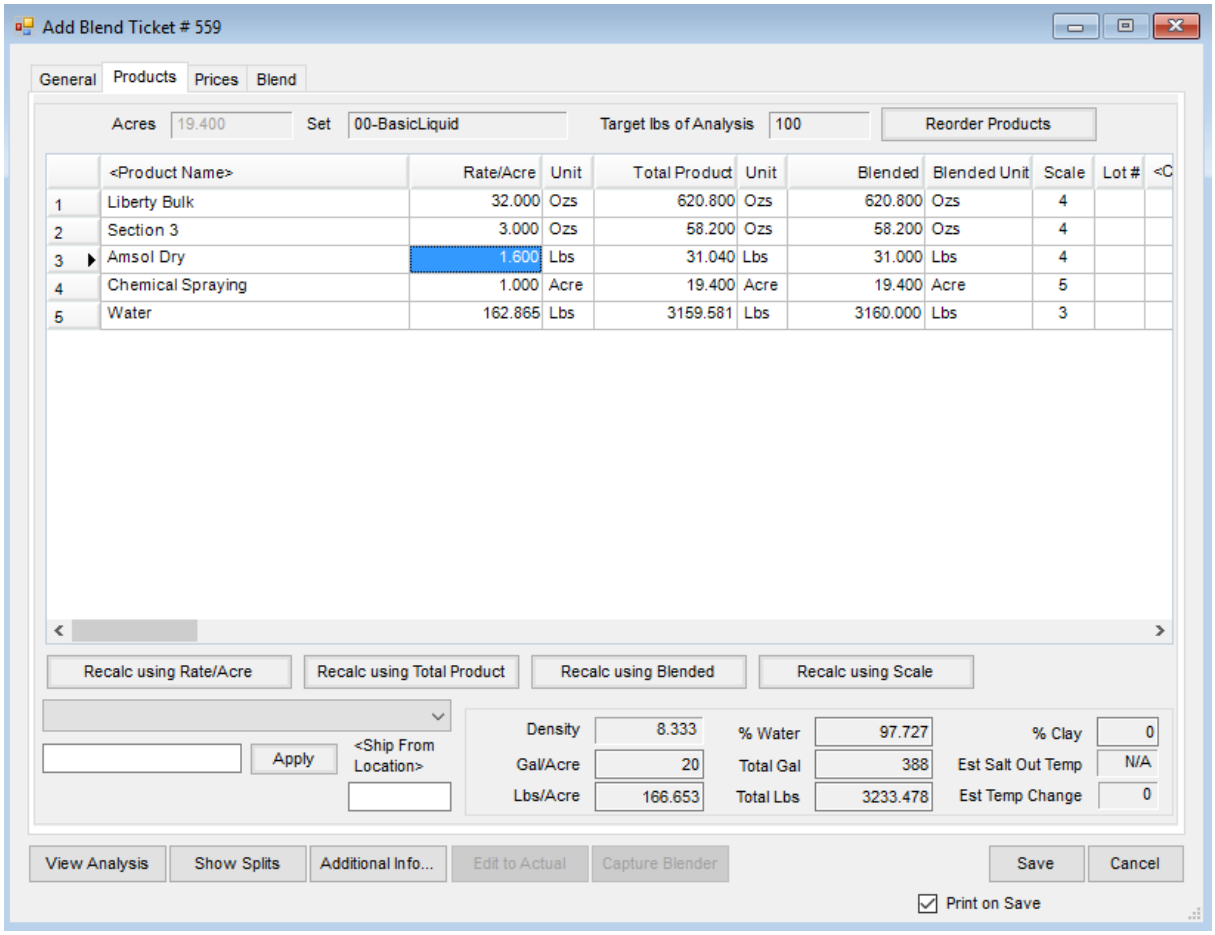


Example 2

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.



4. 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
Apply
<Ship From Location>
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