Ranco / Agvance Interface for Agvance Blending

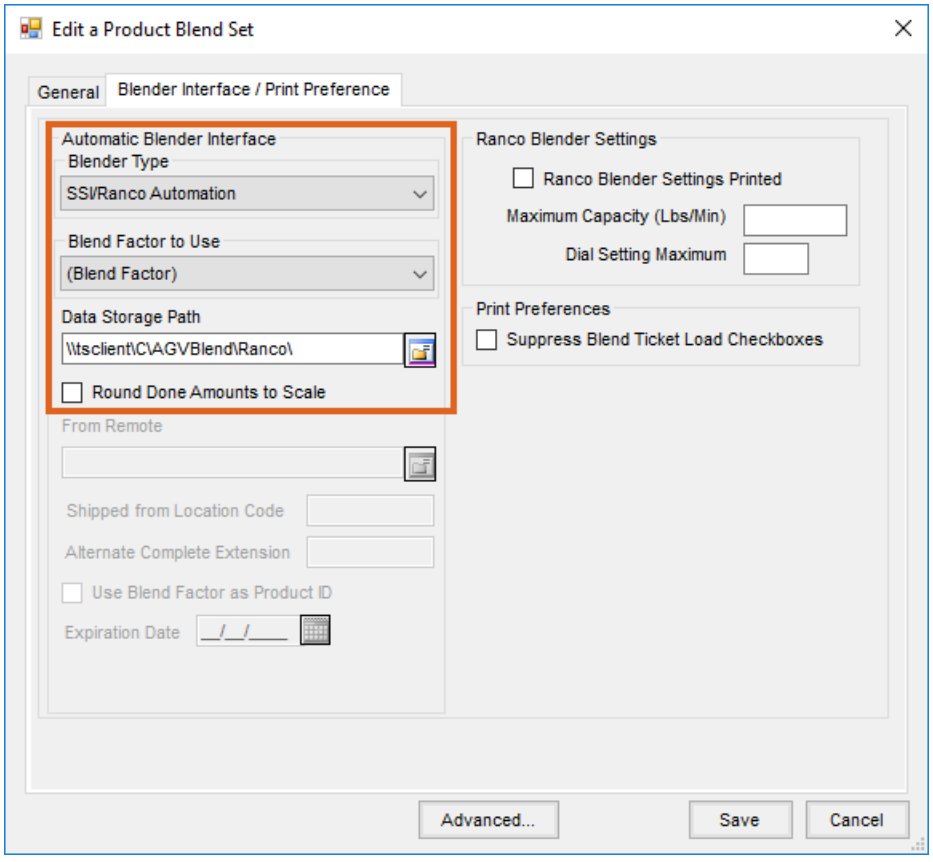
Last Modified on 05/28/2025 11:19 am CDT

The Ranco™/Agvance interface may be set up and used with the Agvance Blending module.

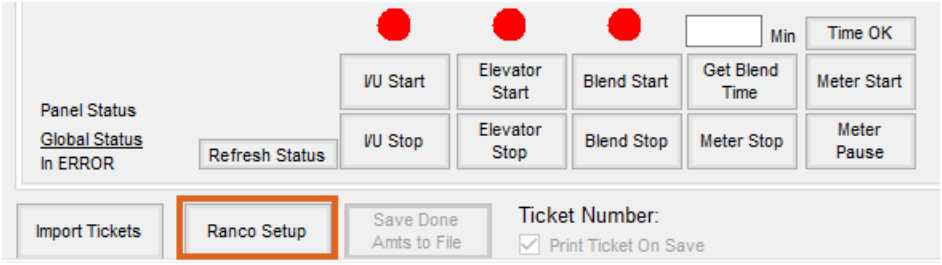
Setup

The following setup instructions should be completed before using the Ranco™/Agvance interface.

1. Navigate to *Blending / Setup / Product Sets*. Edit the necessary Product Set, and on the *Blender Interface / Print Preference* window, set the *Blender Type* to *SSI/Ranco Automation*. If captured scale weights will be read from Ranco™, establish the data storage path for each Product Set being used for the blender interface.
   Note: Optionally select the *Round Done Amounts To Scale* option. This rounds the finished amount from Ranco to the Agvance scale settings on the Agvance blend when returning final amounts.



2. On the *Blending / Utilities / Automated Blender Interface* window, select the **Ranco Setup** button.

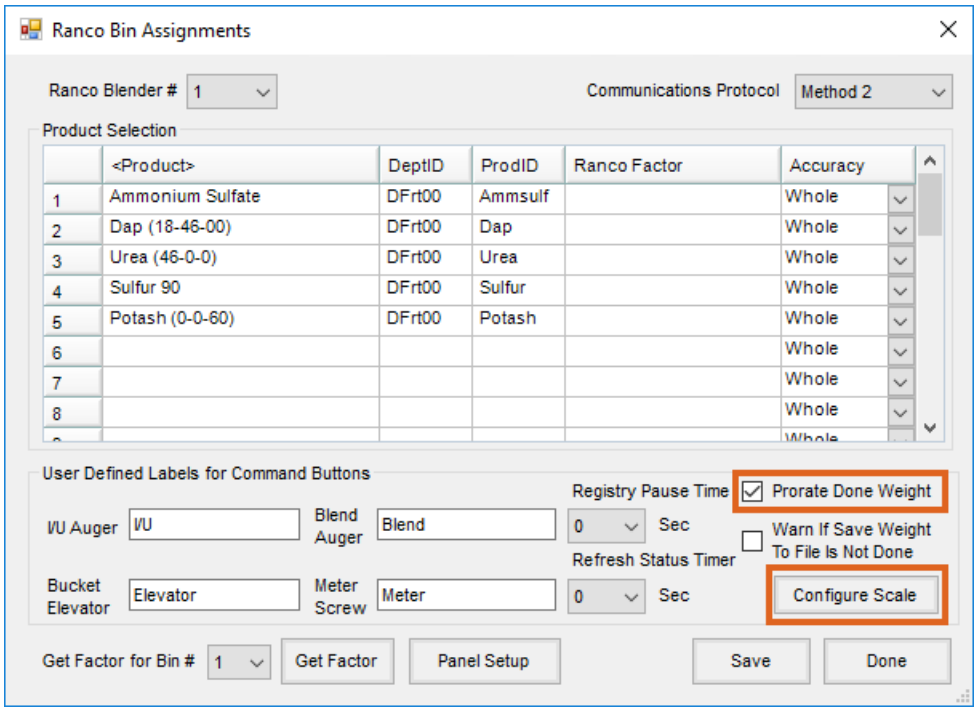


Double-click in each row of the *Ranco Bin Assignments* window to select the Agvance Product corresponding with each bin number assigned in the Ranco Panel. There are two options for prorating the weight of the mix after it is complete:

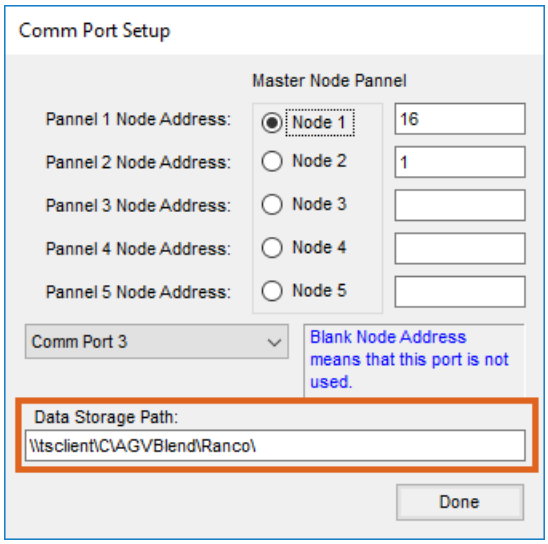
a. Manually enter the weight from the scale head. If this is the desired process, select the *Prorate Done Weight* option.

b. Capture the weight from the scale head. If this is the desired process, select the **Configure Scale** button, and set up the data to read from a scale head (in addition to selecting the *Prorate Done Weight* option).

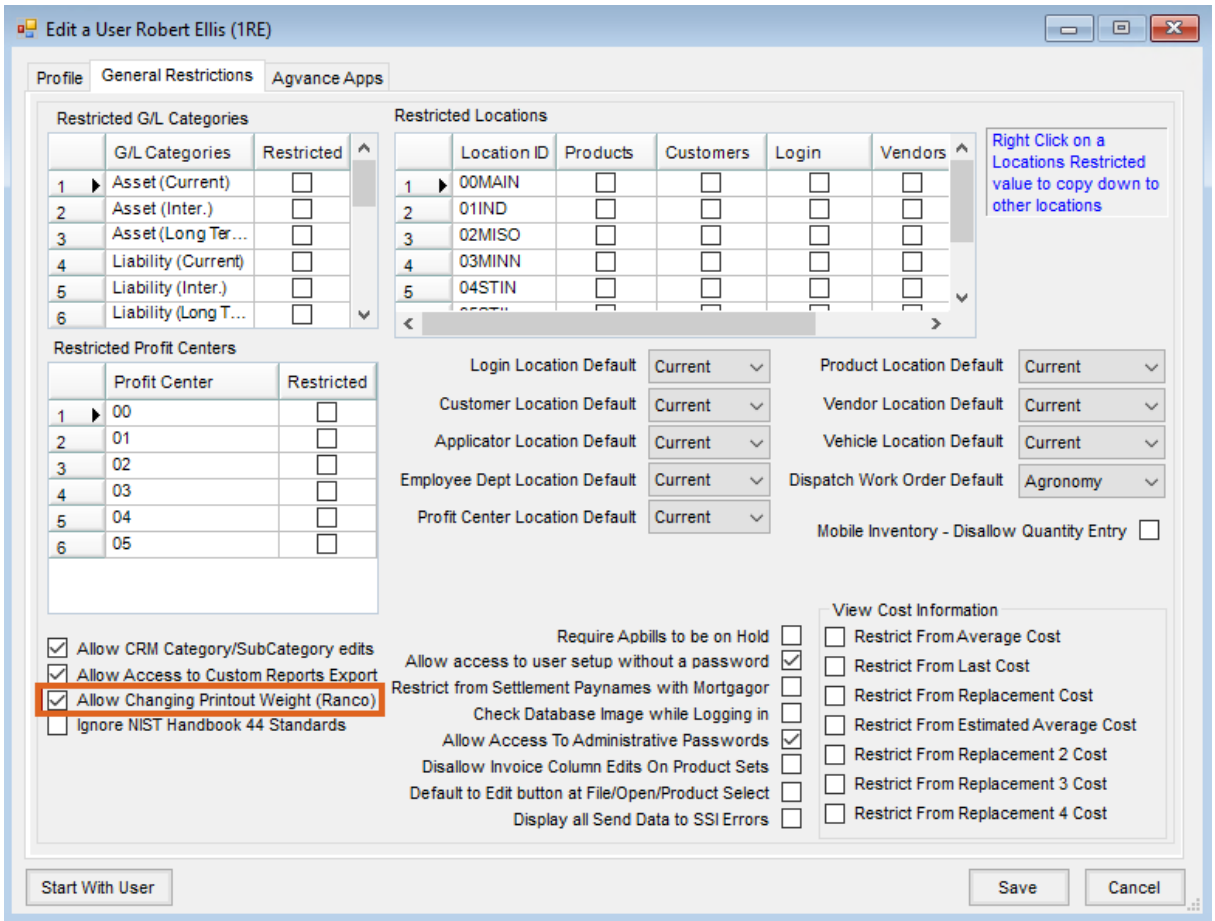
Note: To configure the scale head, it is recommended to have a hardware person and/or representative from the scale company on site.



3. Select the **Panel Setup** button on the *Ranco Bin Assignments* window. If reading final weights back into the Blend Ticket, the *Data Storage Path* must be complete. The *Node Addresses* and *Com Port* must be set up correctly

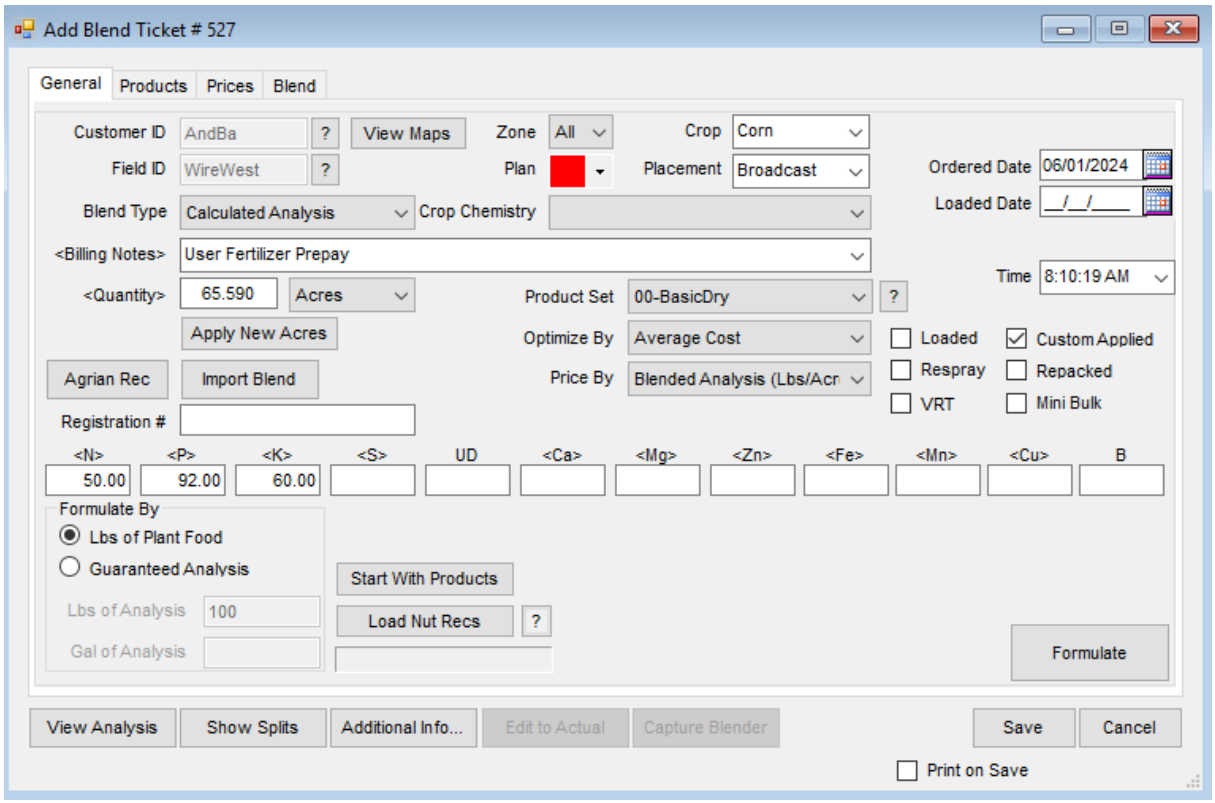


4. In some cases, it may be necessary to enter the total weight leaving on a truck so it will be reflected on the Print Ticket (*Capture Weight* window) documents. This is necessary if a semi load had to be broken into multiple batches to accommodate the blender hopper capacity. To allow this, navigate to *Hub / Setup / Users*. Edit the User needing this ability, and select the *Allow Changing Printout Weight (Ranco)* option.

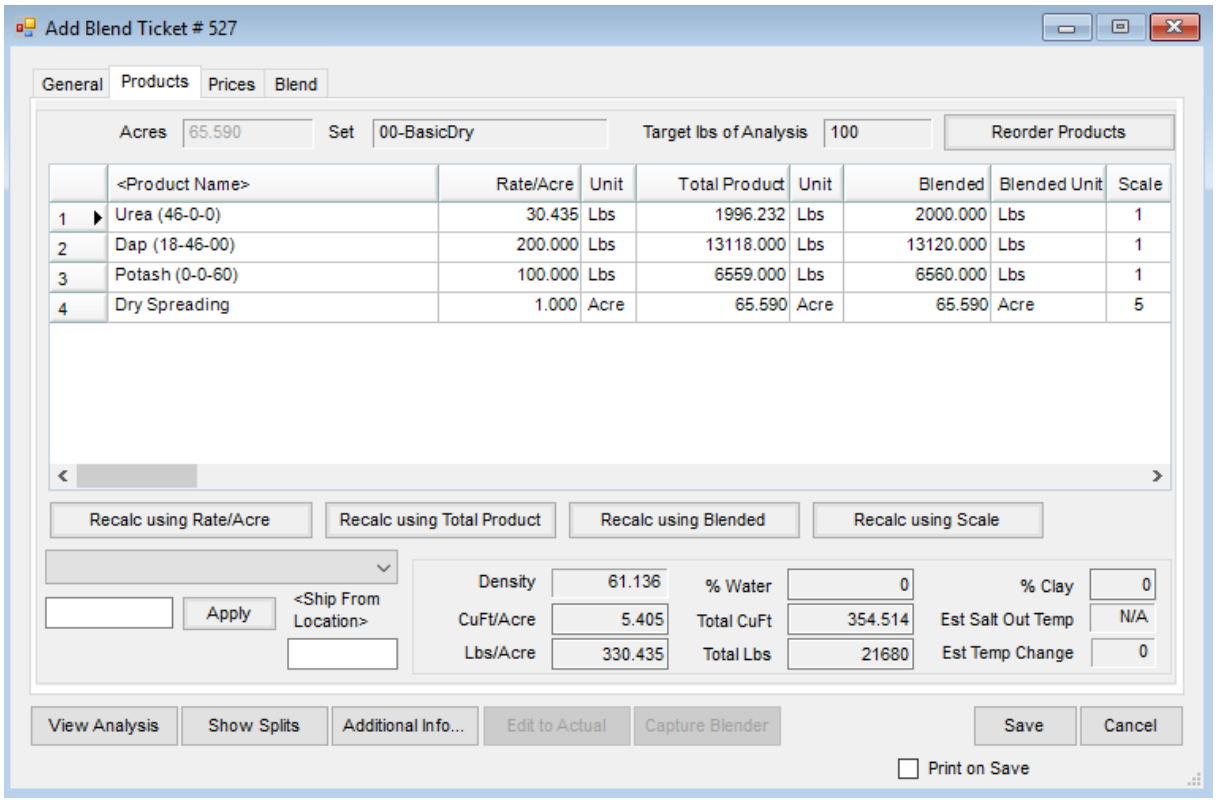


Using the Ranco™/Agvance Interface

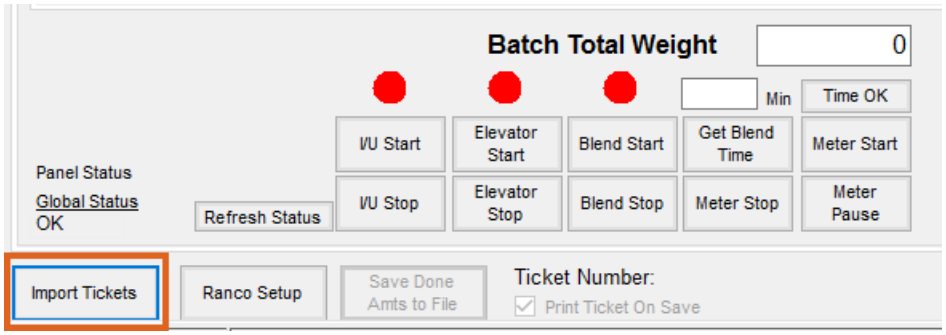
1. Create a Blend Ticket in Agvance Blending.



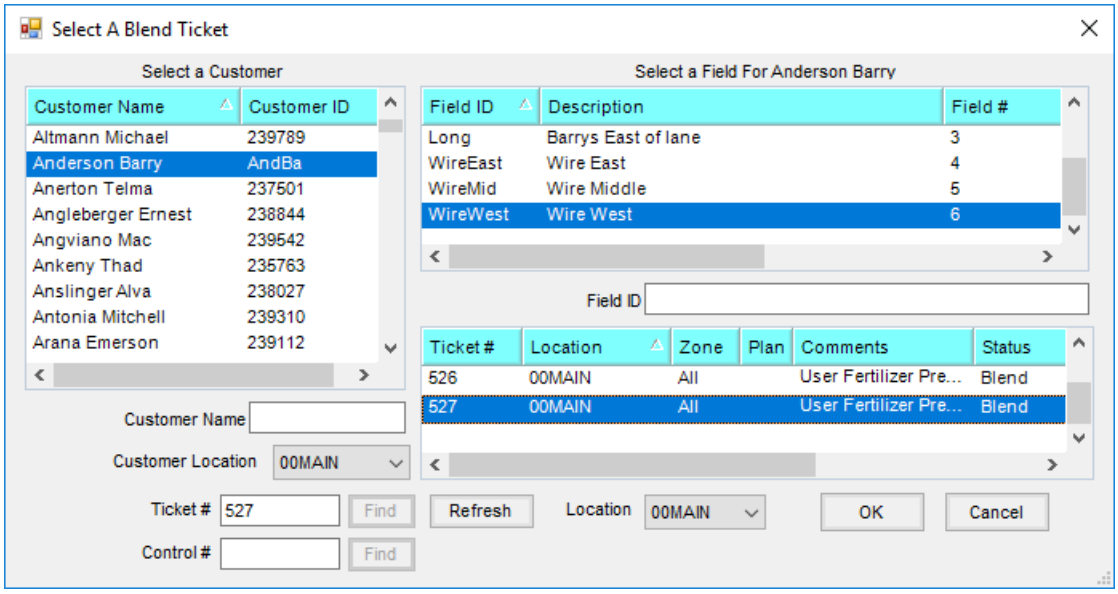
2. In this example, Urea, DAP, and Potash are used with a service item. Any non-analysis items, such as application, will not be sent to the Ranco Panel.



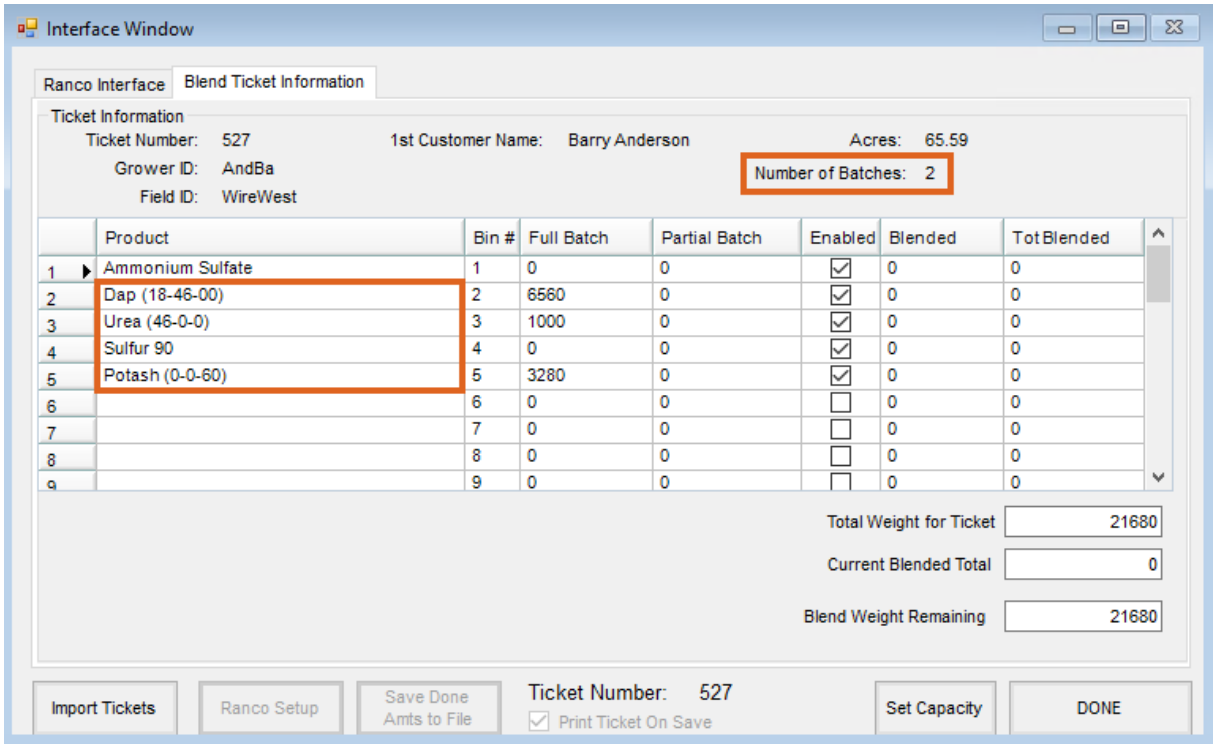
3. On the *Blending / Utilities / Automated Blender Interface* window, select the **Import Tickets** button.



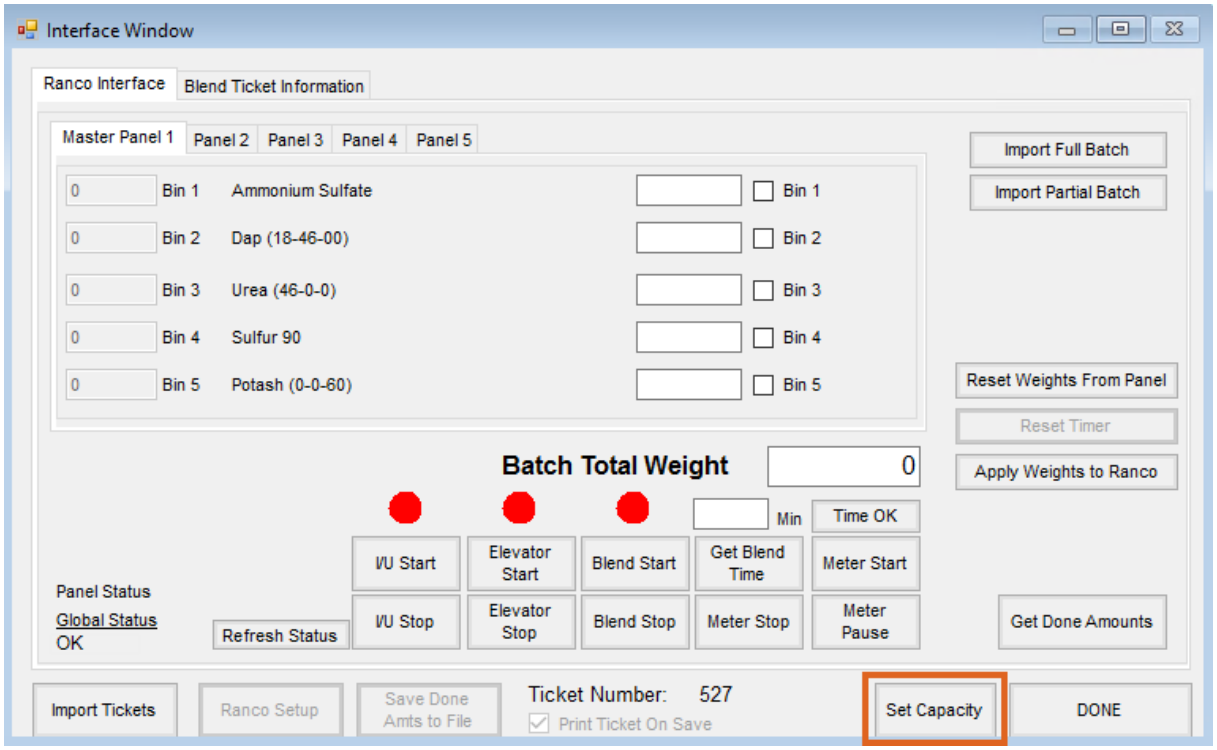
4. Select the Blend Ticket to be mixed, and choose **OK**.



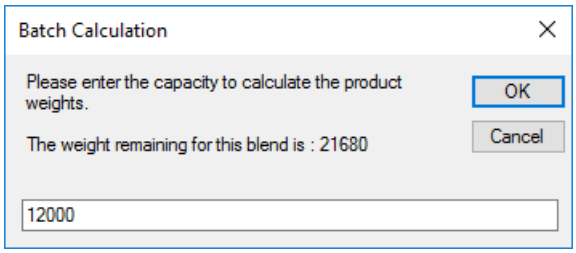
5. The *Blend Ticket Information* tab displays various details of the Blend Ticket. In addition, the *Number of Batches* and weight for each Product per batch based on the batch breakdown determined on the *Blend* tab of the Blend Ticket appears on this tab.



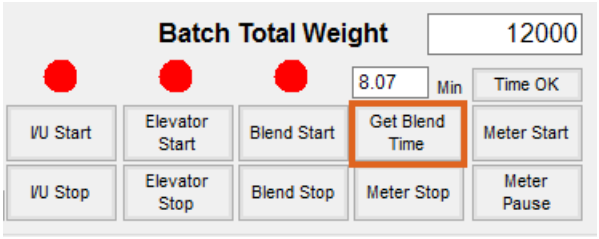
6. Select the **Set Capacity** button.



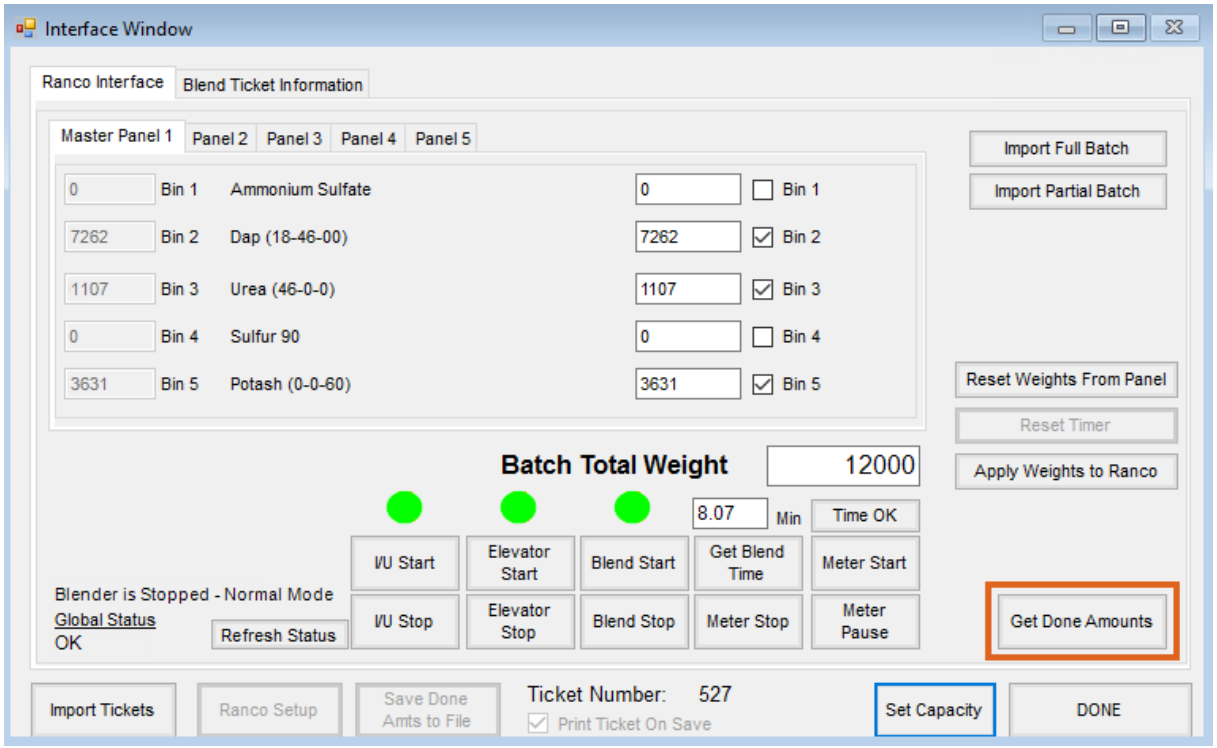
Note: The full amount of the blend defaults into the following *Batch Calculation* window. If this mix needs made in multiple batches, enter the full amount to be mixed in the first batch as shown below.



7. After the Capacity has been entered, choose the **Get Blend Time** button on the *Ranco Interface* tab. Start mixing product by choosing the following buttons from left to right: **I/U Start, Elevator Start, Blend Start,** and **Meter Start**.

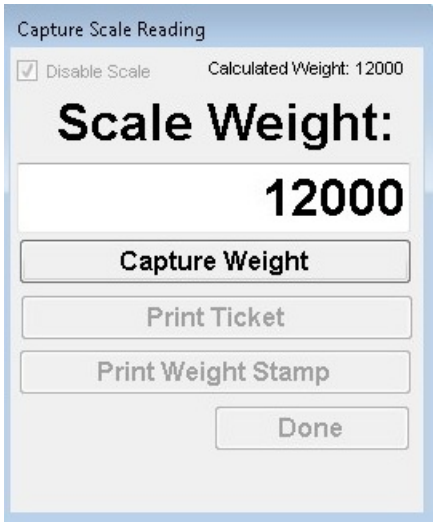


8. The Ranco Panel is enabled when the product has run through. Verify the product is completely out of the screws and in the hopper. After the product has completely finished running into the hopper, select the **Get Done Amounts** button.

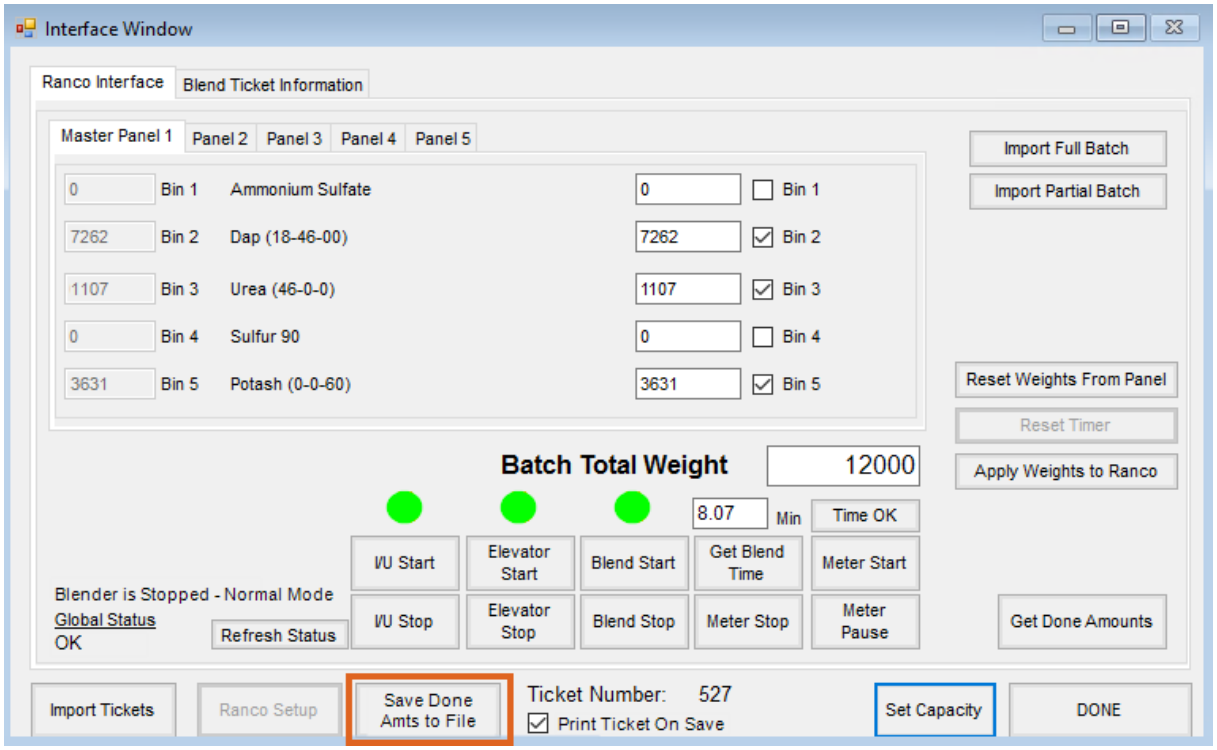


9. On the *Capture Scale Reading* window, select the **Capture Weight** button. If a scale printer is connected, choose the **Print Weight Stamp** button. Otherwise, select **Done**.

   Note: The **Print Ticket** button provides the option to print any of the blend documents (i.e., Blend Ticket, Consolidated Blend, Custom App Sheet, Haz Mat, etc., for the captured amount of that specific batch).



10. Choose the **Save Done Amts to File** button to create a file for the amount blended.



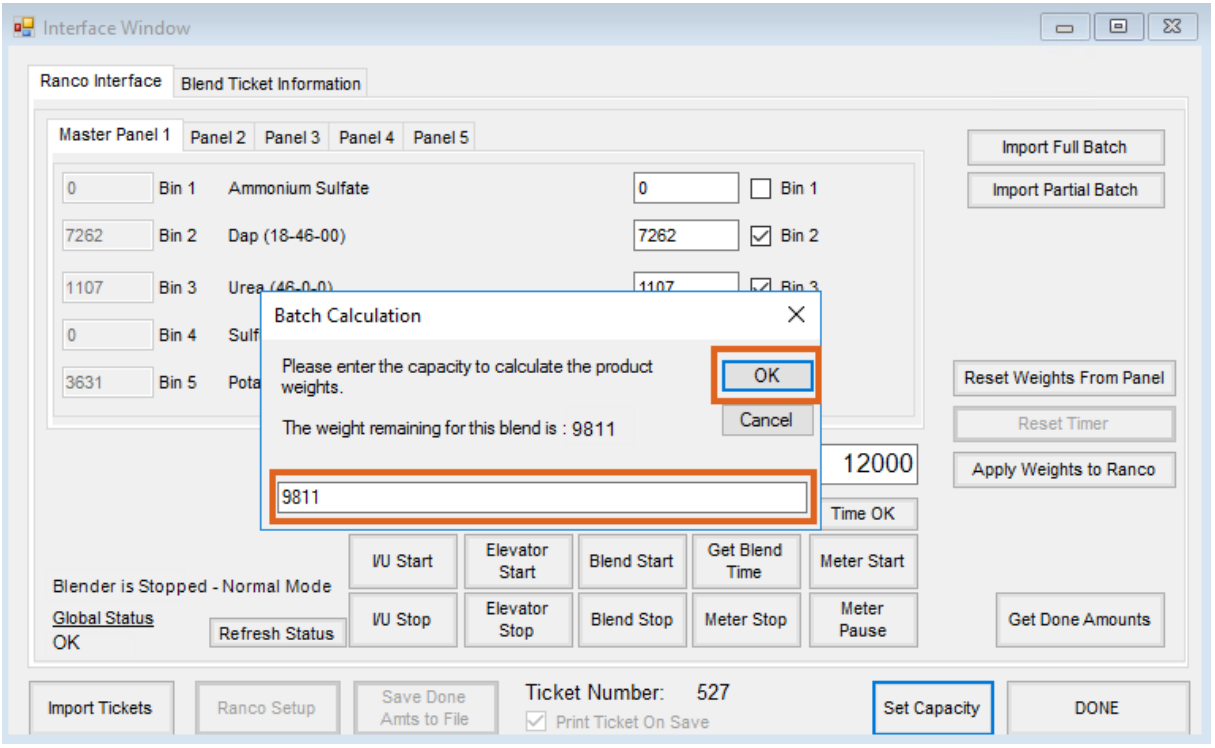
11. A message displays indicating where this file was saved. Select **OK**.

Note: At this point, other tickets can be mixed and the next batch for this ticket can be completed at a later time.

12. When the next batch for this ticket is ready to be mixed, choose the**Import Tickets** button and select the

desired ticket. If no other tickets have been mixed since the last batch for this ticket, indicated by the *Ticket Number* at the bottom of the *Interface* window, select the **Set Capacity** button.

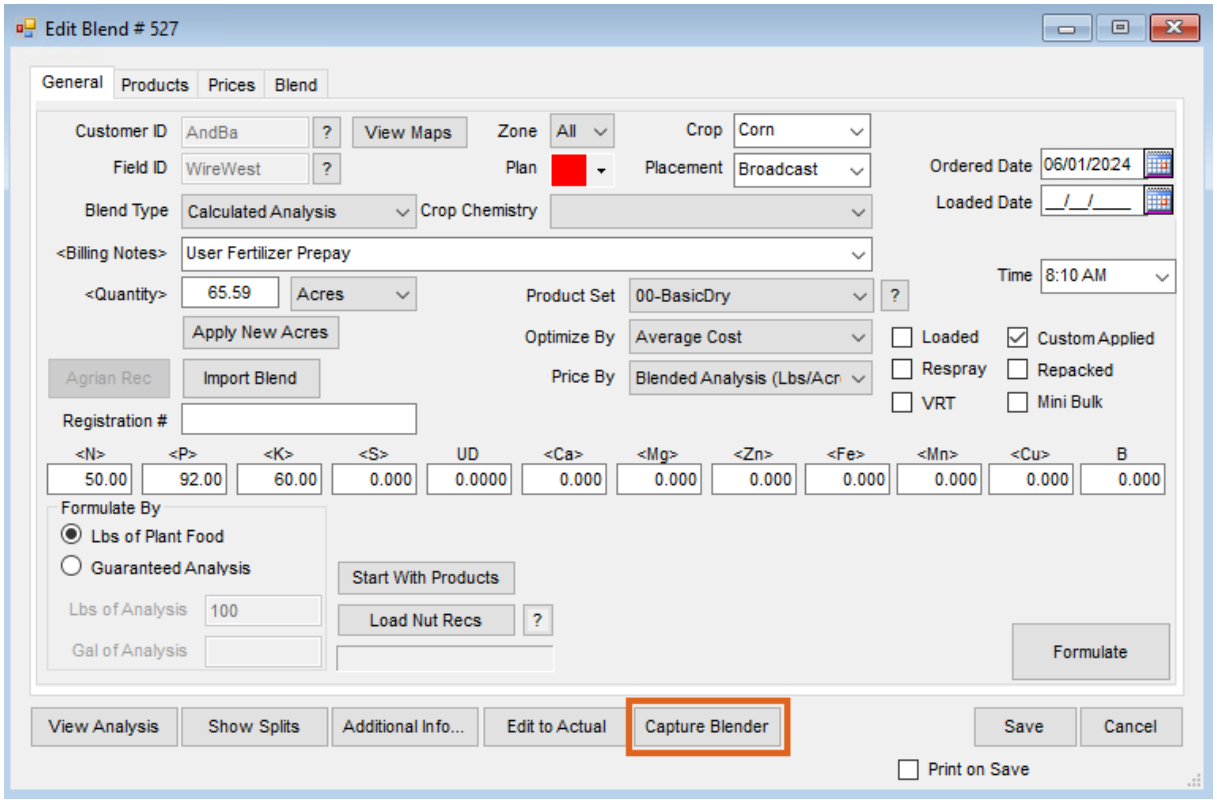
13. If the amount displayed on the *Batch Calculation* window is the amount that needs to be mixed, select **OK**. If this batch needs broken down, type over the amount in the textbox, entering the desired batch amount to be mixed. Select **OK**.



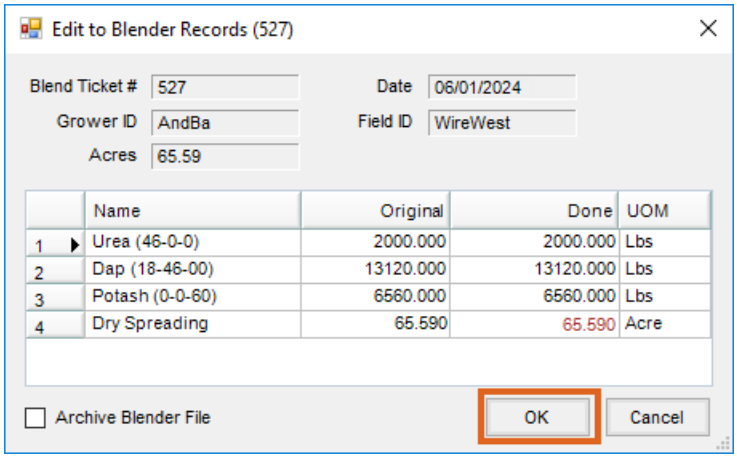
The rest of the procedure for this process is the same as when completing the first batch for the Blend Ticket. See Steps 7 - 13.

Editing the Blend Ticket with Blender Information

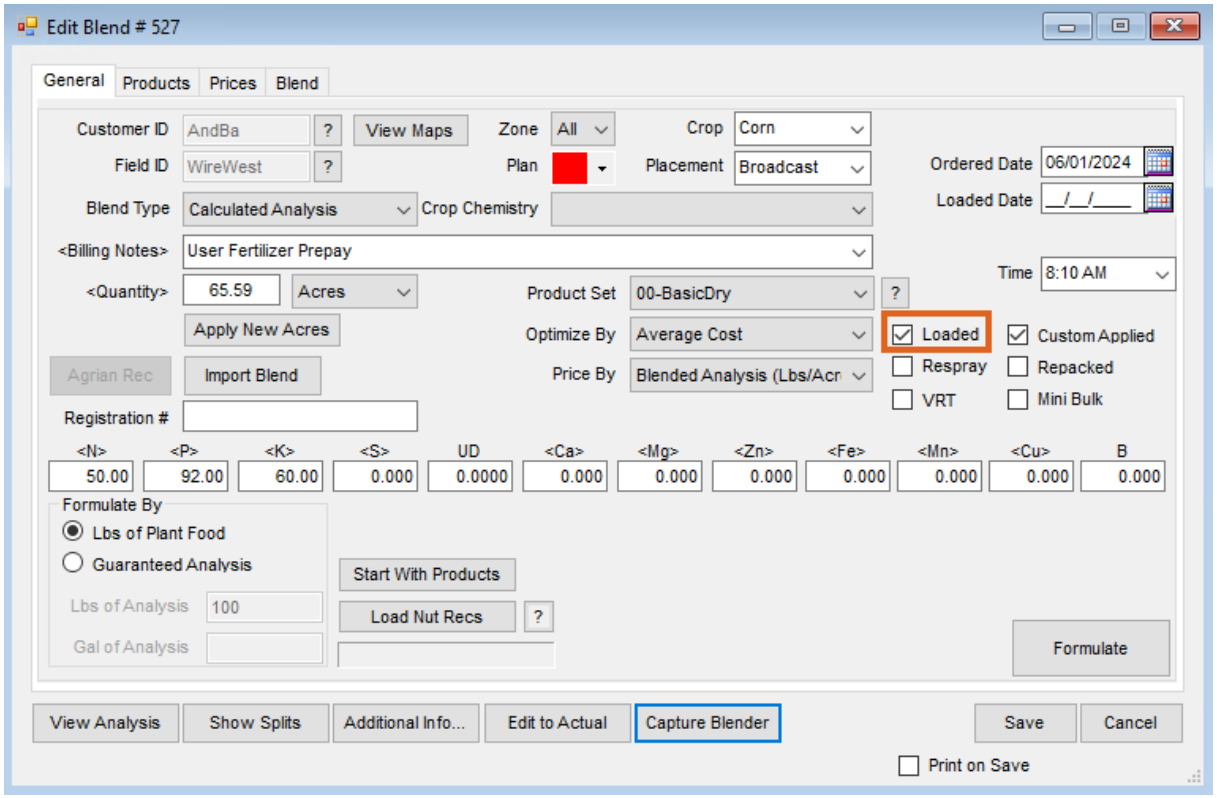
1. After all batches for the blend are mixed, edit the Blend Ticket in the Agvance Blending module, and select the **Capture Blender** button at the bottom of the window.



2. If the weight was captured from a scale and pro-rated, those amounts will display in the *Edit to Blender Records* window. For items such as service items, the blended amount originally on the ticket defaults in the *Done* column. Any of the amounts, including the service item, can be changed on this screen. After the amounts have been confirmed, select **OK**.



3. The blended amounts will be updated on the *Product* tab of the Blend Ticket and the ticket will be marked as *Loaded*. Make any other necessary changes to the Blend Ticket and select the **Save** button.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Crop
Corn
Field ID
WireWest
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Placement
Broadcast
Ordered Date
06/01/2024
Blend Type
Calculated Analysis
Crop Chemistry
Loaded Date
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Apply New Acres
Optimize By
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Loaded
Custom Applied
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Import Blend
Price By
Blended Analysis (Lbs/Acr
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Formulate By
Lbs of Plant Food
Guaranteed Analysis
Lbs of Analysis
100
Gal of Analysis
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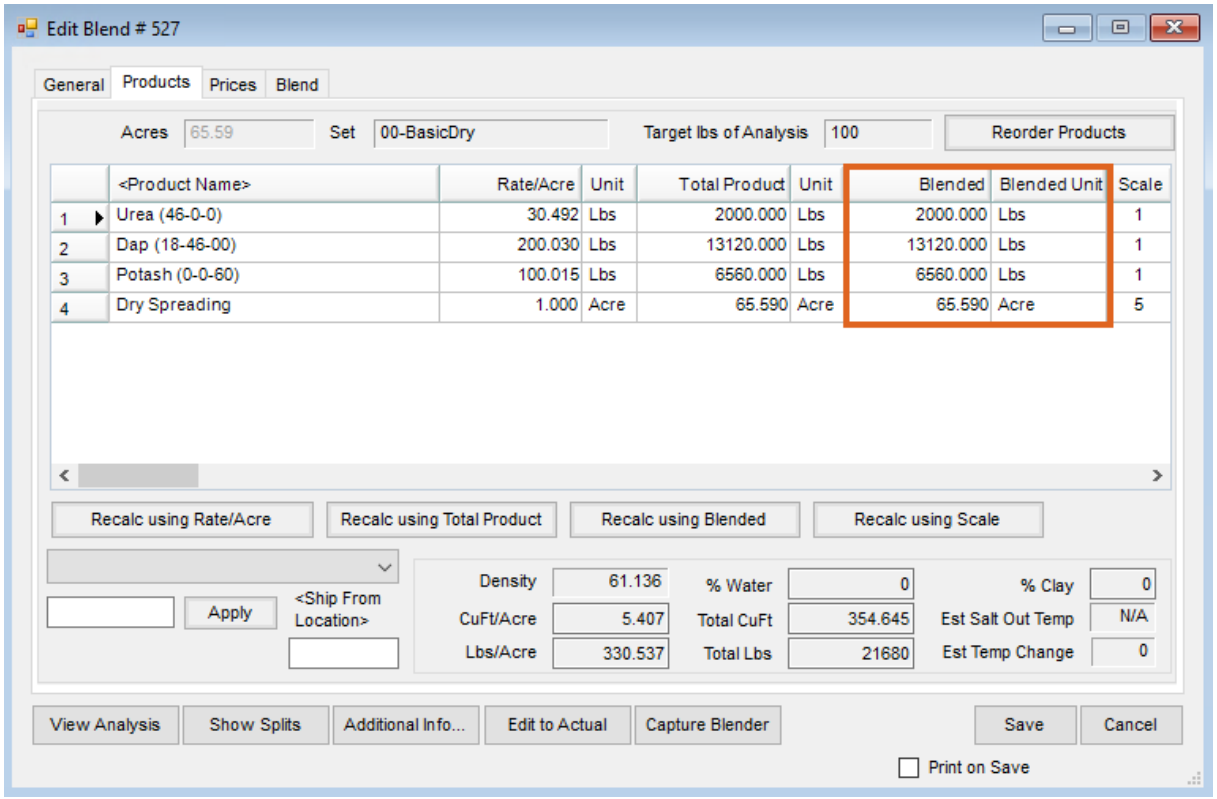
Load Nut Recs
Formulate
View Analysis
Show Splits
Additional Info...
Edit to Actual
Capture Blender
Save
Cancel
Print on Save


Edit Blend # 527
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Set
00-BasicDry
Target lbs of Analysis
100
Reorder Products
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Rate/Acre
Unit
Total Product
Unit
Blended
Blended Unit
Scale
1 Urea (46-0-0) 30.492 Lbs 2000.000 Lbs 2000.000 Lbs 1
2 Dap (18-46-00) 200.030 Lbs 13120.000 Lbs 13120.000 Lbs 1
3 Potash (0-0-60) 100.015 Lbs 6560.000 Lbs 6560.000 Lbs 1
4 Dry Spreading 1.000 Acre 65.590 Acre 65.590 Acre 5
Recalc using Rate/Acre
Recalc using Total Product
Recalc using Blended
Recalc using Scale
Apply
<Ship From Location>
Density
61.136
% Water
0
% Clay
0
CuFt/Acre
5.407
Total CuFt
354.645
Est Salt Out Temp
N/A
Lbs/Acre
330.537
Total Lbs
21680
Est Temp Change
0
View Analysis
Show Splits
Additional Info...
Edit to Actual
Capture Blender
Save
Cancel
Print on Save