

# Ranco / Agvance Interface for Agvance Blending

Last Modified on 07/05/2024 2:54 pm CDT

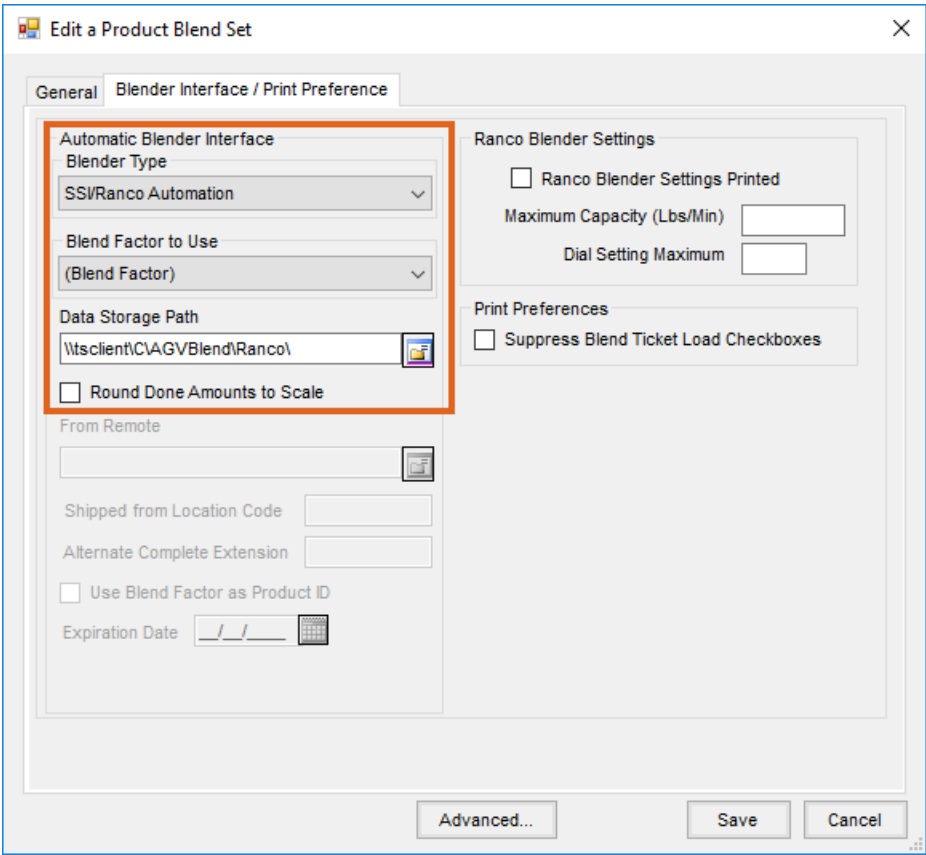
The Ranco™/Agvance interface may be set up and used with the Agvance Blending module.

## Setup

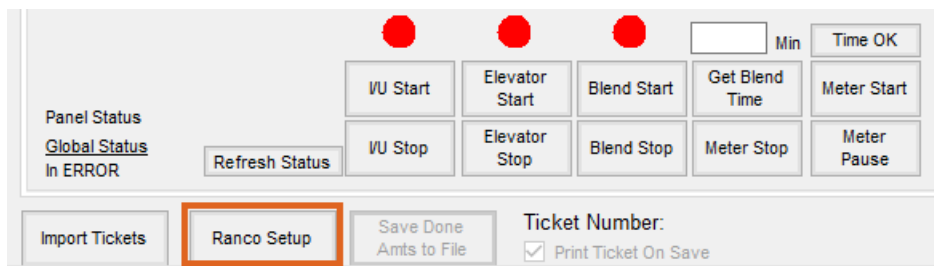
The following setup instructions should be completed before using the Ranco™/Agvance interface.

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.



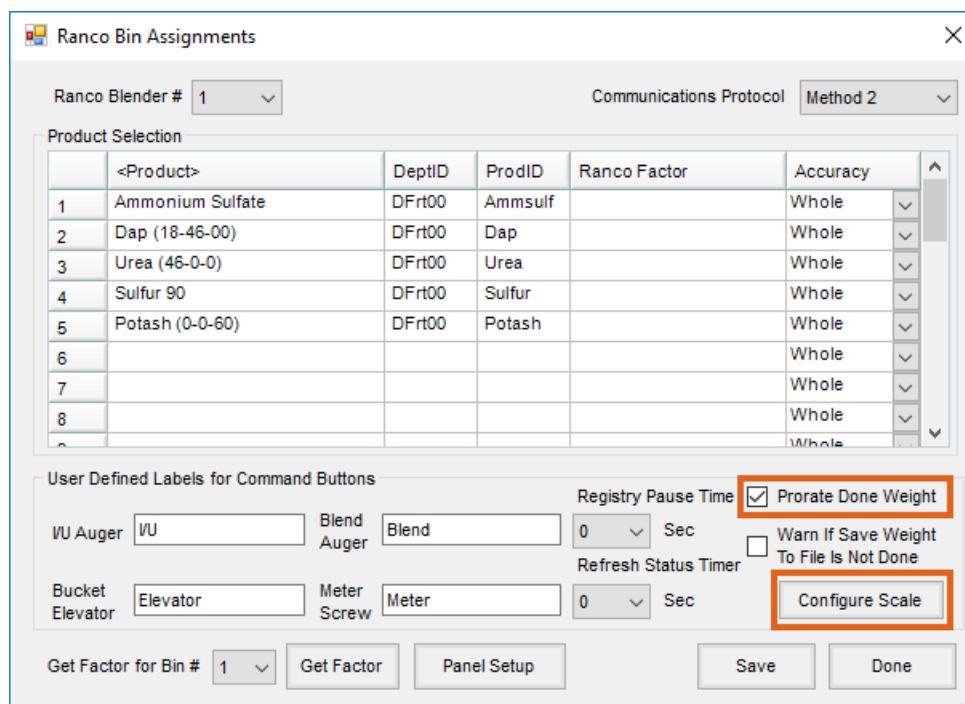
2. On the *Blending / Utilities / Automated Blender Interface* window, select the **Ranco Setup** button.



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

Comm Port Setup

Master Node Panel

Pannel 1 Node Address:  Node 1 16

Pannel 2 Node Address:  Node 2 1

Pannel 3 Node Address:  Node 3

Pannel 4 Node Address:  Node 4

Pannel 5 Node Address:  Node 5

Comm Port 3  Blank Node Address means that this port is not used.

Data Storage Path:

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.

Edit a User Robert Ellis (1RE)

Profile General Restrictions **Avgance Apps**

Restricted G/L Categories

	G/L Categories	Restricted
1	Asset (Current)	<input type="checkbox"/>
2	Asset (Inter.)	<input type="checkbox"/>
3	Asset (Long Ter...)	<input type="checkbox"/>
4	Liability (Current)	<input type="checkbox"/>
5	Liability (Inter.)	<input type="checkbox"/>
6	Liability (Long T...	<input type="checkbox"/>

Restricted Locations

	Location ID	Products	Customers	Login	Vendors
1	00MAIN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	01IND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	02MISO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	03MINN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	04STIN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Right Click on a Locations Restricted value to copy down to other locations

Restricted Profit Centers

	Profit Center	Restricted
1	00	<input type="checkbox"/>
2	01	<input type="checkbox"/>
3	02	<input type="checkbox"/>
4	03	<input type="checkbox"/>
5	04	<input type="checkbox"/>
6	05	<input type="checkbox"/>

Allow CRM Category/SubCategory edits  
 Allow Access to Custom Reports Export  
 **Allow Changing Printout Weight (Ranco)**  
 Ignore NIST Handbook 44 Standards

Login Location Default: Current  
 Customer Location Default: Current  
 Applicator Location Default: Current  
 Employee Dept Location Default: Current  
 Profit Center Location Default: Current  
 Product Location Default: Current  
 Vendor Location Default: Current  
 Vehicle Location Default: Current  
 Dispatch Work Order Default: Agronomy  
 Mobile Inventory - Disallow Quantity Entry:

View Cost Information

Restrict From Average Cost  
 Restrict From Last Cost  
 Restrict From Replacement Cost  
 Restrict From Estimated Average Cost  
 Restrict From Replacement 2 Cost  
 Restrict From Replacement 3 Cost  
 Restrict From Replacement 4 Cost

Require Apbills to be on Hold  
 Allow access to user setup without a password  
 Restrict from Settlement Paynames with Mortgagor  
 Check Database Image while Logging in  
 Allow Access To Administrative Passwords  
 Disallow Invoice Column Edits On Product Sets  
 Default to Edit button at File/Open/Product Select  
 Display all Send Data to SSI Errors

Using the Ranco™/Agvance Interface

1. Create a Blend Ticket in Agvance Blending.

The screenshot shows the 'Add Blend Ticket # 527' window with the following details:

- Customer ID:** AndBa
- Field ID:** WireWest
- Blend Type:** Calculated Analysis
- Quantity:** 65.590 Acres
- Product Set:** 00-BasicDry
- Optimize By:** Average Cost
- Price By:** Blended Analysis (Lbs/Acr)
- Nutrient Levels:** <N> 50.00, <P> 92.00, <K> 60.00
- Formulate By:** Lbs of Plant Food (selected)
- Lbs of Analysis:** 100

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.

The screenshot shows the 'Products' tab with the following table:

	<Product Name>	Rate/Acre	Unit	Total Product	Unit	Blended	Blended Unit	Scale
1	Urea (46-0-0)	30.435	Lbs	1996.232	Lbs	2000.000	Lbs	1
2	Dap (18-46-00)	200.000	Lbs	13118.000	Lbs	13120.000	Lbs	1
3	Potash (0-0-60)	100.000	Lbs	6559.000	Lbs	6560.000	Lbs	1
4	Dry Spreading	1.000	Acre	65.590	Acre	65.590	Acre	5

Summary values shown below the table:

- Density:** 61.136
- CuFt/Acre:** 5.405
- Lbs/Acre:** 330.435
- % Water:** 0
- Total CuFt:** 354.514
- Total Lbs:** 21680
- % Clay:** 0
- Est Salt Out Temp:** N/A
- Est Temp Change:** 0

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

**Batch Total Weight**

Panel Status  
Global Status  
OK

Ticket Number:  Print Ticket On Save

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

Select A Blend Ticket

Select a Customer

Customer Name	Customer ID
Altmann Michael	239789
<b>Anderson Barry</b>	<b>AndBa</b>
Anerton Telma	237501
Angleberger Ernest	238844
Angviano Mac	239542
Ankeny Thad	235763
Anslinger Alva	238027
Antonia Mitchell	239310
Arana Emerson	239112

Customer Name

Customer Location

Ticket #    Location

Control #

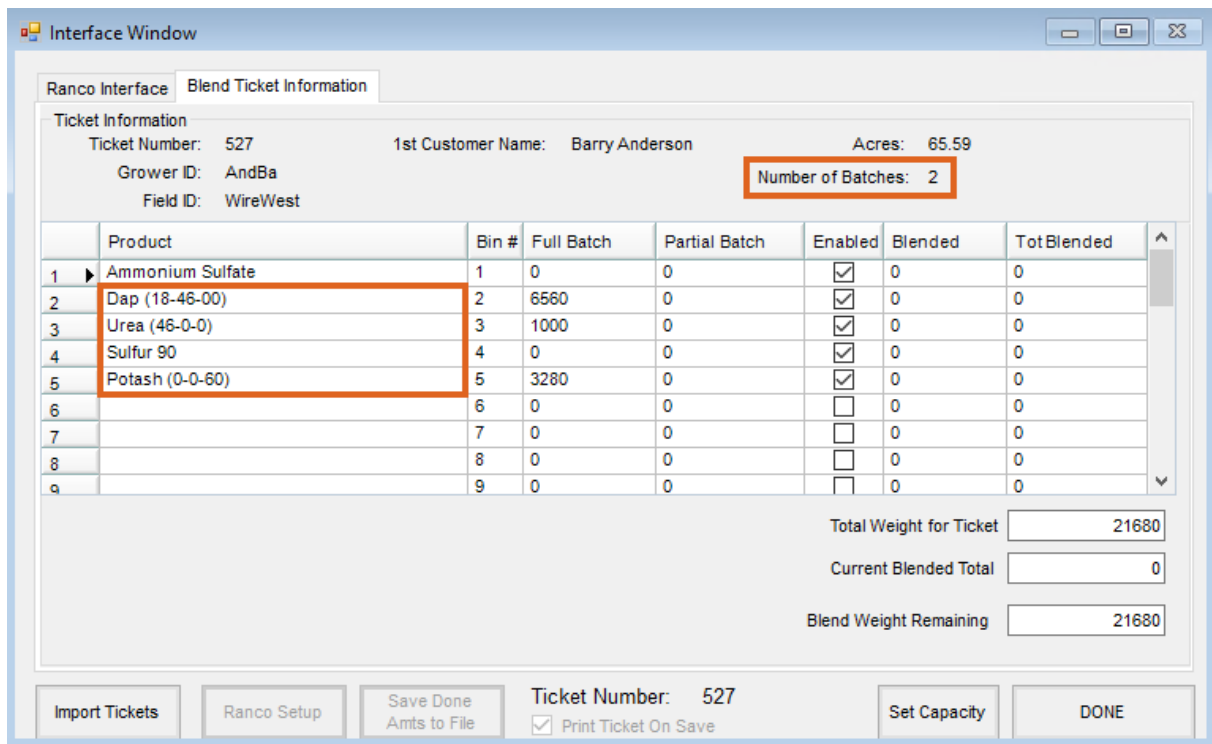
Select a Field For Anderson Barry

Field ID	Description	Field #
Long	Barrys East of lane	3
WireEast	Wire East	4
WireMid	Wire Middle	5
<b>WireWest</b>	<b>Wire West</b>	<b>6</b>

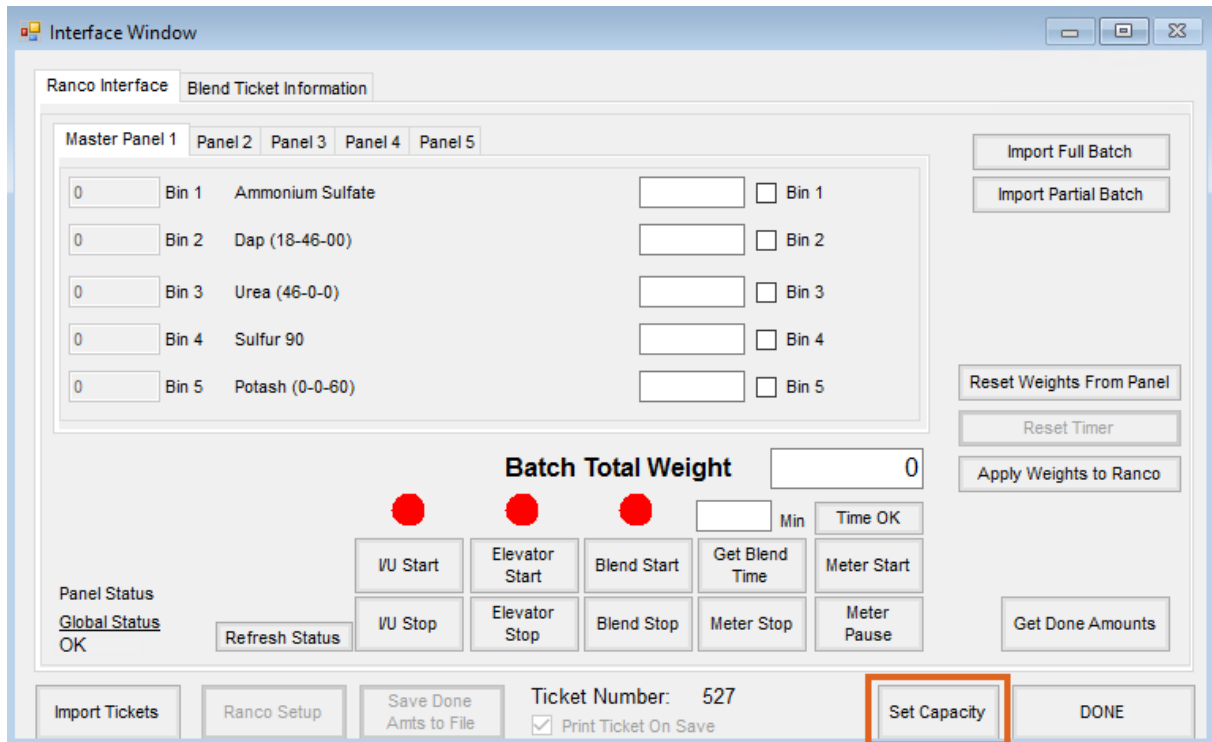
Field ID

Ticket #	Location	Zone	Plan	Comments	Status
526	00MAIN	All		User Fertilizer Pre...	Blend
<b>527</b>	<b>00MAIN</b>	<b>All</b>		<b>User Fertilizer Pre...</b>	<b>Blend</b>

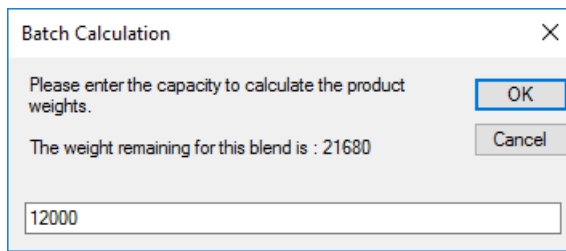
5. The *Blend Ticket Information* tab displays various details of the Blend Ticket. In addition, the *Number of Batches* and weight for each Product per batch based on the batch breakdown determined on the *Blend* tab of the Blend Ticket appears on this tab.



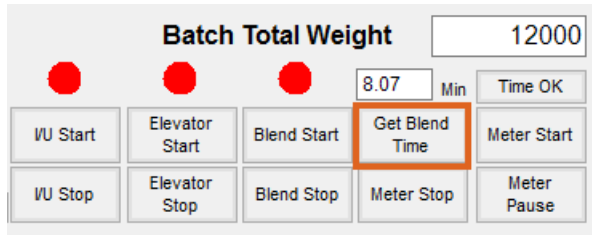
6. Select the **Set Capacity** button.



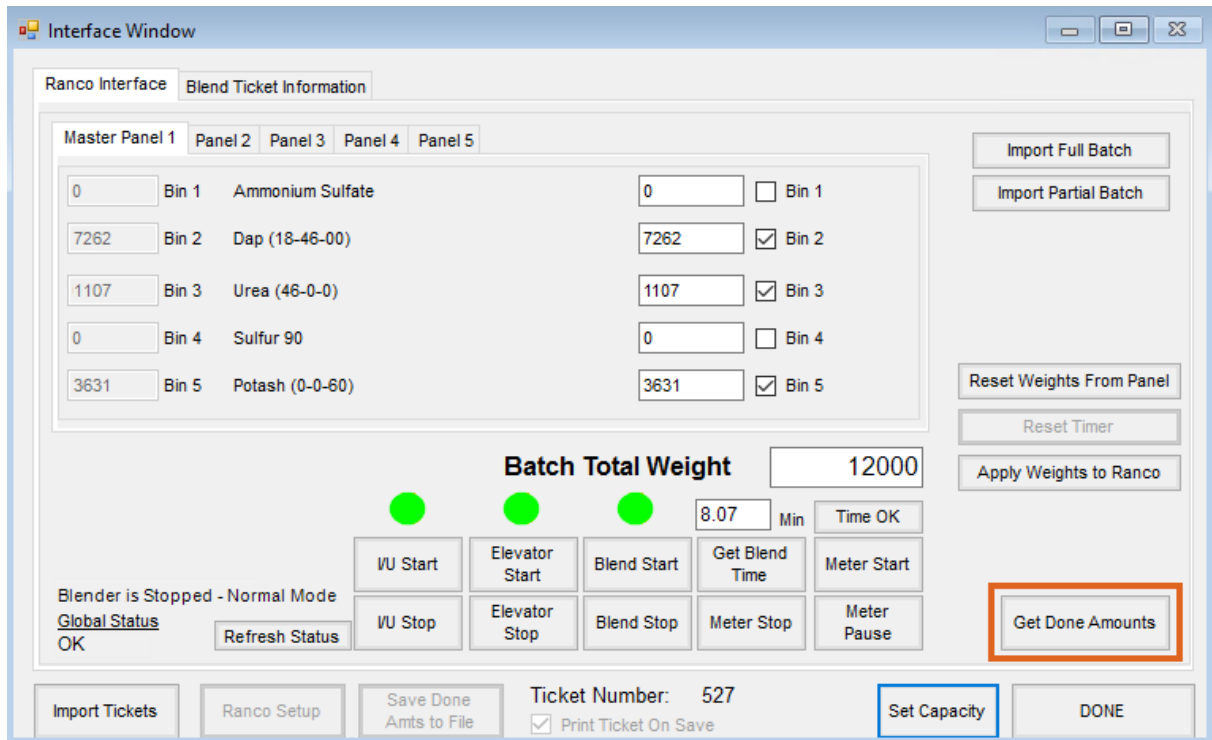
**Note:** The full amount of the blend defaults into the following *Batch Calculation* window. If this mix needs made in multiple batches, enter the full amount to be mixed in the first batch as shown below.



- 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**.

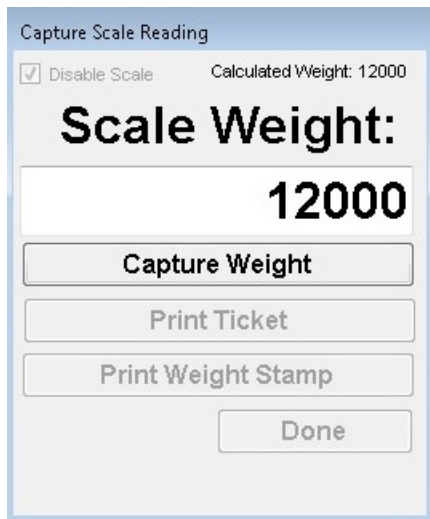


- The Ranco Panel is enabled when the product has run through. Verify the product is completely out of the screws and in the hopper. After the product has completely finished running into the hopper, select the **Get Done Amounts** button.

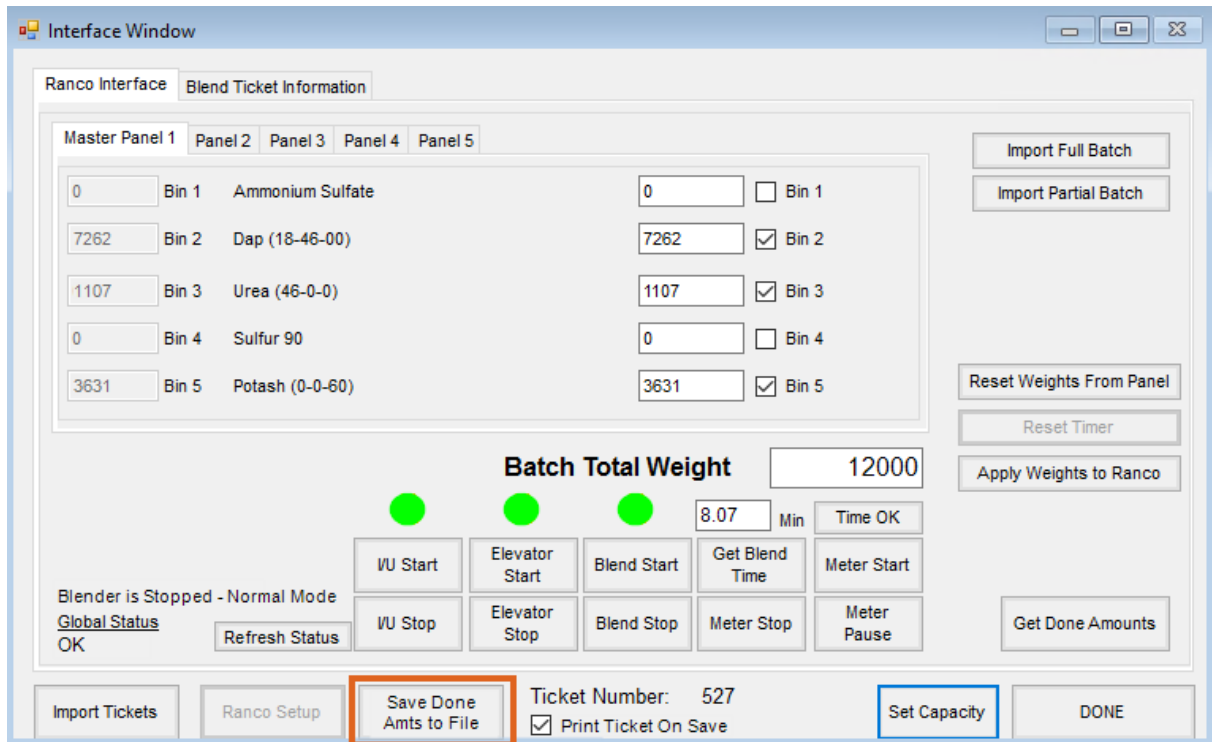


- On the *Capture Scale Reading* window, select the **Capture Weight** button. If a scale printer is connected, choose the **Print Weight Stamp** button. Otherwise, select **Done**.

**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**.



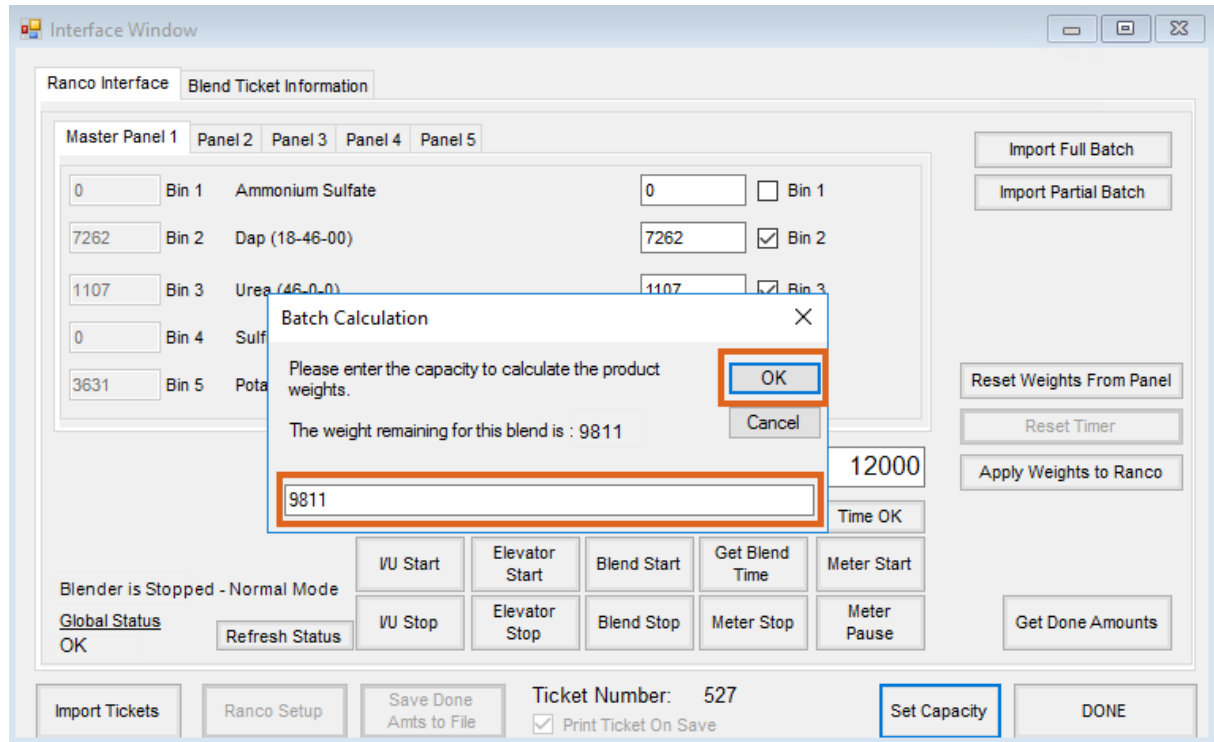
**Note:** At this point, other tickets can be mixed and the next batch for this ticket can be completed at a later time.

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.

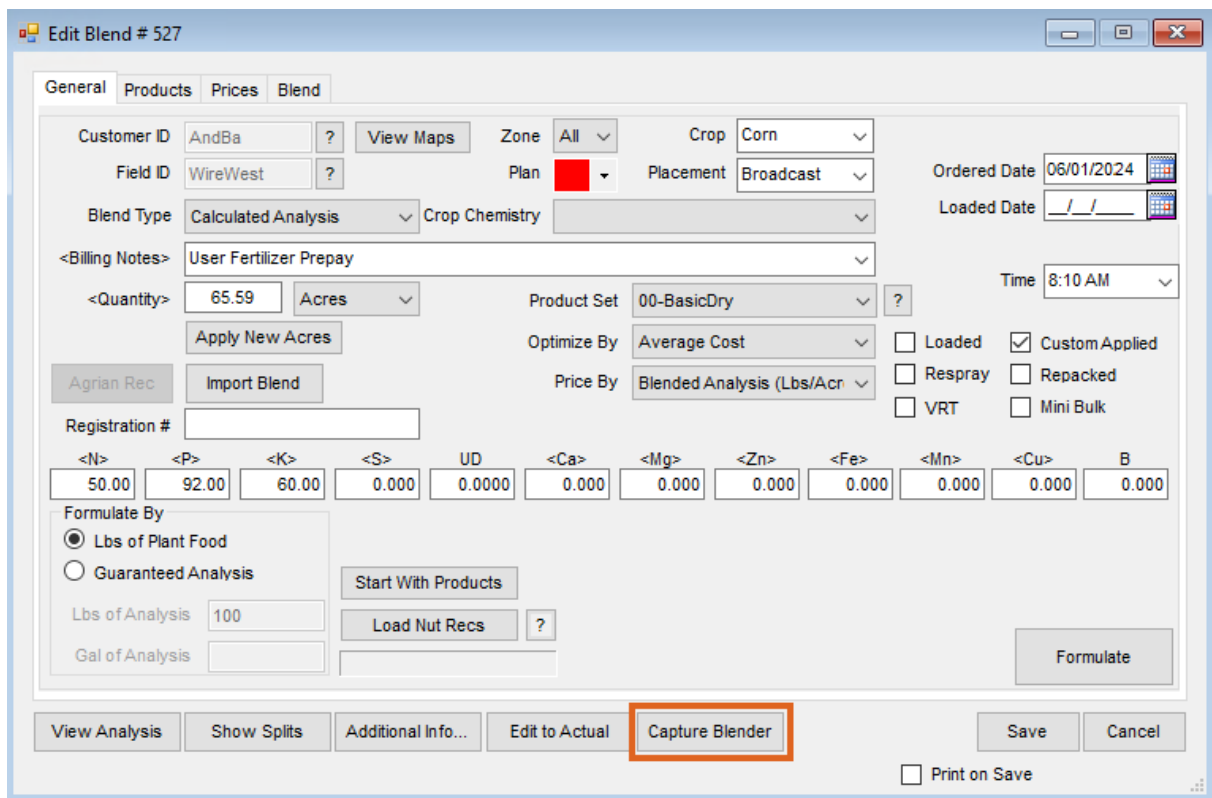
13. If the amount displayed on the *Batch Calculation* window is the amount that needs to be mixed, select **OK**. If this batch needs broken down, type over the amount in the textbox, entering the desired batch amount to be mixed. Select **OK**.



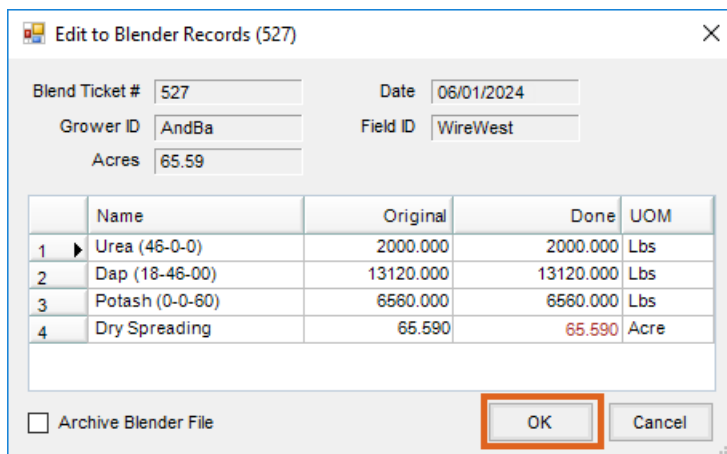
The rest of the procedure for this process is the same as when completing the first batch for the Blend Ticket. See Steps 7 - 13.

## 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.

Edit Blend # 527

General Products Prices Blend

Customer ID: AndBa ? View Maps Zone: All Crop: Corn  
 Field ID: WireWest ? Plan: [Red] Placement: Broadcast Ordered Date: 06/01/2024  
 Blend Type: Calculated Analysis Crop Chemistry: [Dropdown] Loaded Date: [Date]  
 <Billing Notes>: User Fertilizer Prepay Time: 8:10 AM  
 <Quantity>: 65.59 Acres Product Set: 00-BasicDry ?  
 Apply New Acres Optimize By: Average Cost  Loaded  Custom Applied  
 Agriar Rec Import Blend Price By: Blended Analysis (Lbs/Acr)  Respray  Repacked  
 Registration # [Field]  VRT  Mini Bulk  
 <N> 50.00 <P> 92.00 <K> 60.00 <S> 0.00 UD 0.0000 <Ca> 0.000 <Mg> 0.000 <Zn> 0.000 <Fe> 0.000 <Mn> 0.000 <Cu> 0.000 B 0.000  
 Formulate By:  Lbs of Plant Food  Guaranteed Analysis  
 Lbs of Analysis: 100 Start With Products Load Nut Recs ?  
 Gal of Analysis: [Field] Formulate

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

Print on Save

Edit Blend # 527

General Products Prices Blend

Acres: 65.59 Set: 00-BasicDry Target lbs of Analysis: 100 Reorder Products

	<Product Name>	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

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