

## Ag Scale – Anhydrous Tank Functionality

The AgScale module is used to keep track of the anhydrous tanks as they are delivered to or picked up from growers. This program allows the user to track anhydrous tanks assigned to growers and allot the tanks to a specific farm. It creates Scale Tickets (Delivery Receipts) which can be grouped together and sent to a Delivery Ticket as a group after the grower has completed anhydrous applications. It will also help to keep the running inventory of anhydrous more accurate during the application seasons.

### How to track Tanks to and from Growers

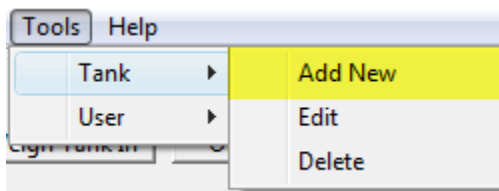
#### Setting up Tanks

**Before beginning, the user must create a list of anhydrous tanks.**

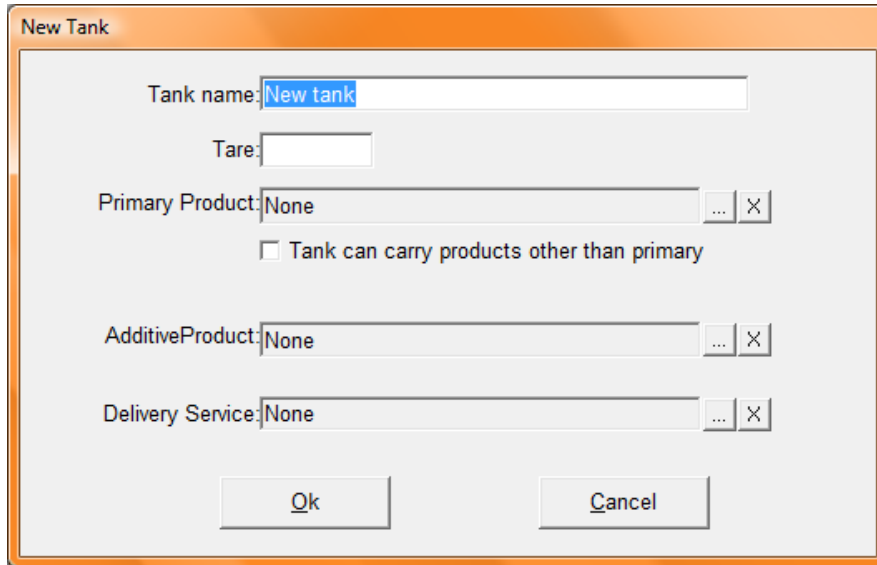
1. Open AgScale.



2. Navigate to Tools> Tank> Add New.



- The following window will appear.



- Enter the Tank name.
- Enter the Tare of the Tank.



The Tare weight information is used to make a temporary deduction from the anhydrous product inventory until the tank is returned and the actual Tare weight is recorded.

- Enter the Primary Product that the tank contains by clicking the “...” button.
- If the tank can carry products other than the primary, put a checkmark in that box.
- Enter any additive product by clicking the “...” button.
- Enter any Delivery Service product by clicking the “...” button.

Repeat this procedure until all of the anhydrous tanks have been added.

## Weigh Tank Out

Weigh Tank Out is used when full tanks are sent out with a customer or delivered to a customer.

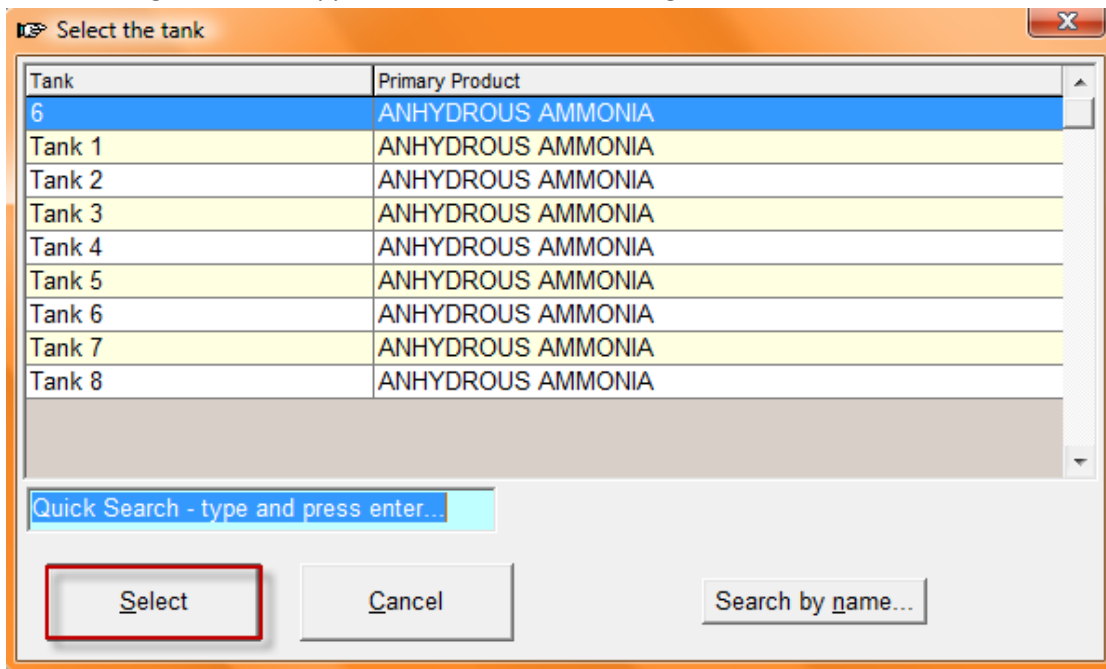
1. Open AgScale.



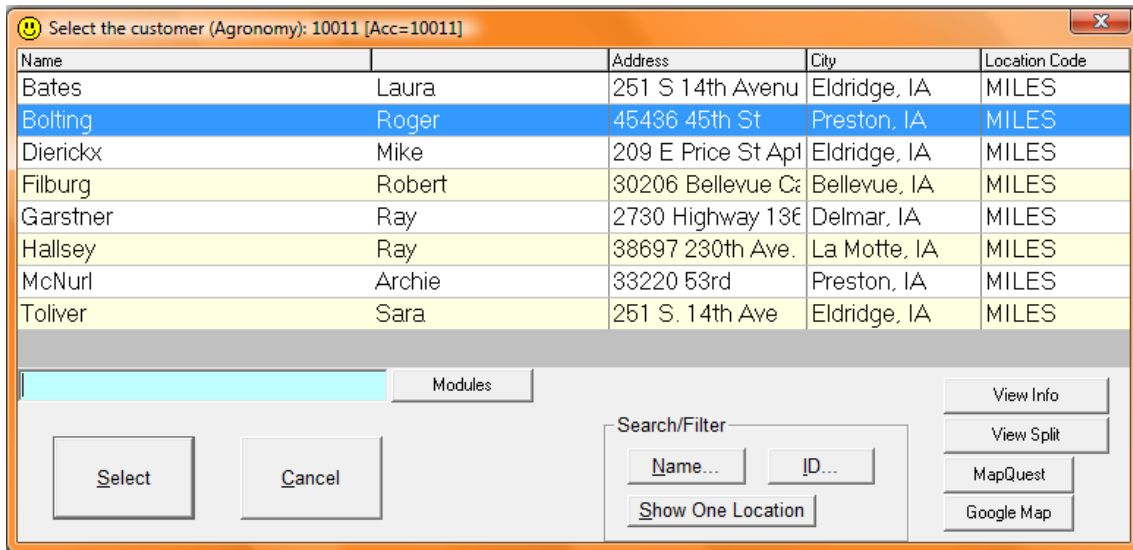
2. Click the Weigh Tank Out Button



3. The following screen will appear. Click on the tank being used and click "Select."



- Click on the customer and click "Select."

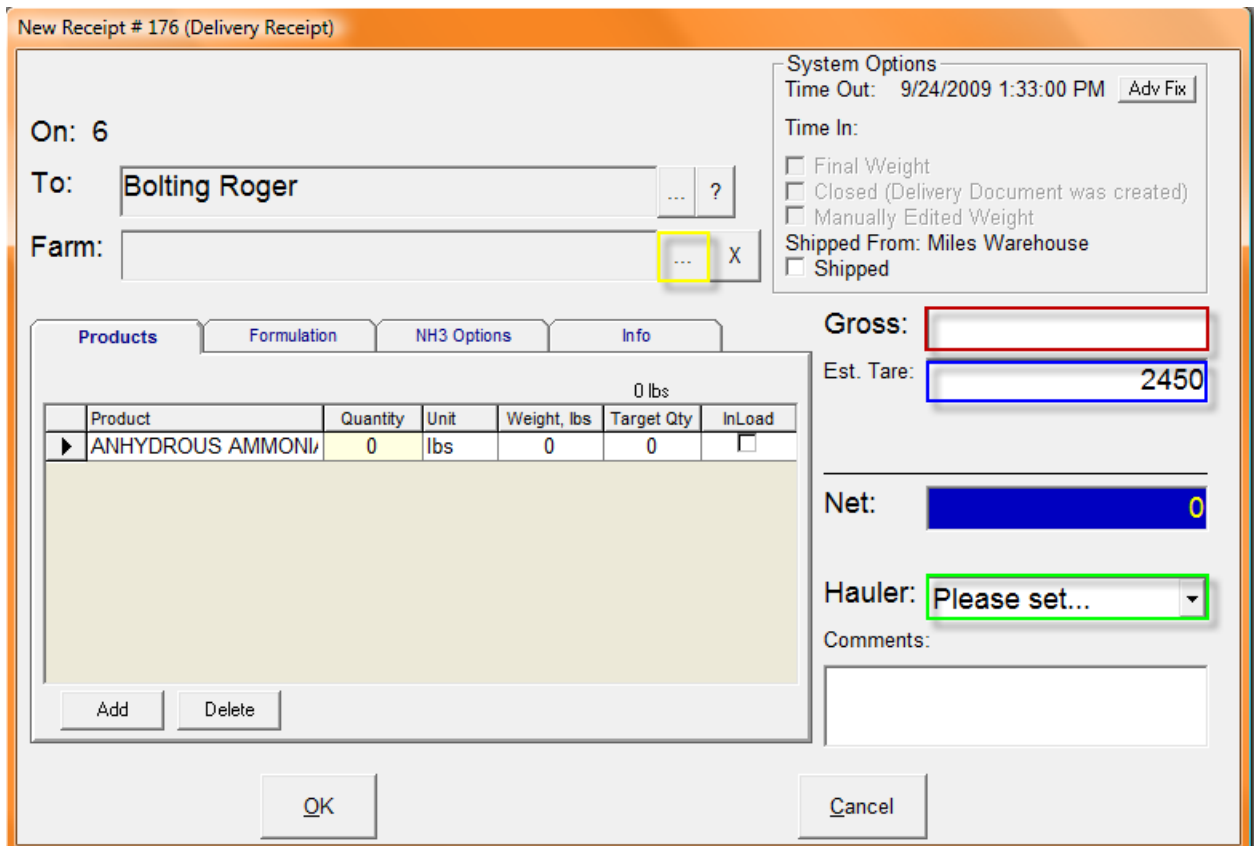


Select the customer (Agronomy): 10011 [Acc=10011]

Name	Address	City	Location Code
Bates	Laura	251 S 14th Avenue	Eldridge, IA
Bolting	Roger	45436 45th St	Preston, IA
Dierickx	Mike	209 E Price St Apt	Eldridge, IA
Filburg	Robert	30206 Bellevue C	Bellevue, IA
Garstner	Ray	2730 Highway 13E	Delmar, IA
Hallsey	Ray	38697 230th Ave.	La Motte, IA
McNurl	Archie	33220 53rd	Preston, IA
Toliver	Sara	251 S. 14th Ave	Eldridge, IA

Buttons: Select, Cancel, View Info, View Split, MapQuest, Google Map, Search/Filter (Name..., ID...), Show One Location, Modules

- The "New Receipt" screen will appear.



New Receipt # 176 (Delivery Receipt)

On: 6

To: Bolting Roger

Farm: [ ] X

System Options

Time Out: 9/24/2009 1:33:00 PM [Adv Fix]

Time In:

Final Weight

Closed (Delivery Document was created)

Manually Edited Weight

Shipped From: Miles Warehouse

Shipped

Gross: [ ]

Est. Tare: [ 2450 ]

Net: [ 0 ]

Hauler: Please set...

Comments: [ ]

Products

Product	Quantity	Unit	Weight, lbs	Target Qty	InLoad
ANHYDROUS AMMONI	0	lbs	0	0	<input type="checkbox"/>

0 lbs

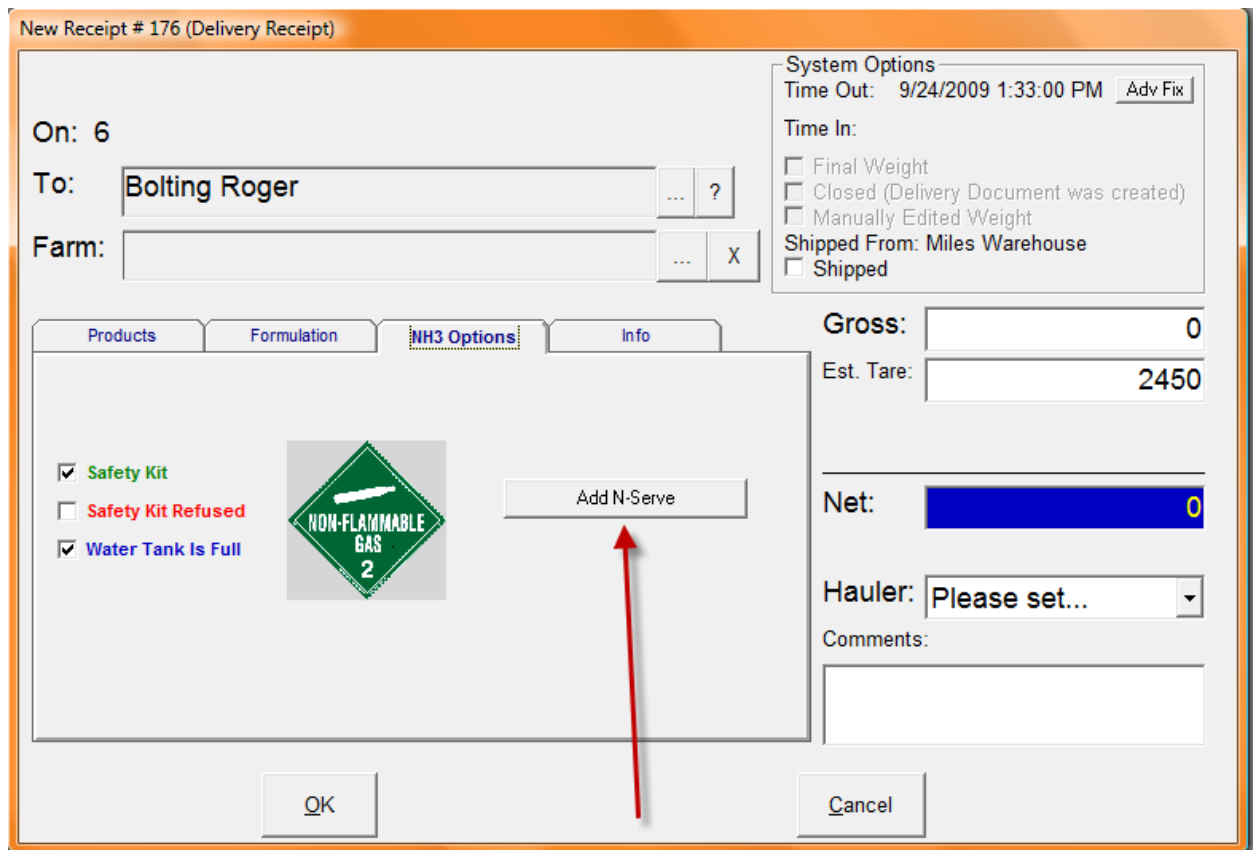
Buttons: Add, Delete, OK, Cancel

6. Enter the Gross weight from the scale (highlighted in red above).
7. Enter the Estimated Tare (highlighted in blue above).

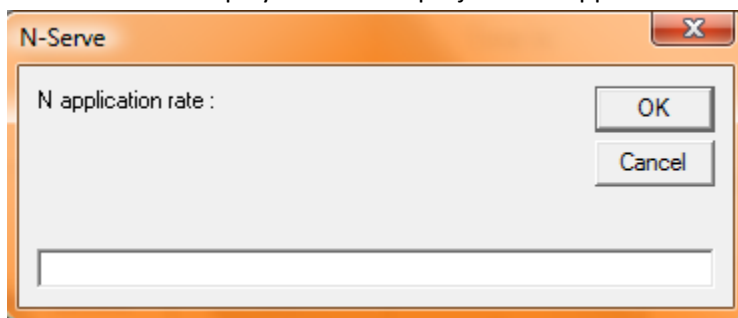


The Estimated Tare weight comes from the tank setup area and is used to deduct inventory temporarily when the tank goes out.

8. Enter the farm where the tank will be applied (highlighted in yellow above).
9. Set the Hauler (highlighted in green above).
10. If N-Serve is being used, click the “NH3 Options” tab.



11. Click “Add N-Serve.”
12. This screen will display. Enter the projected N application rate.



- a. After entering the N application rate, the calculated 1qt/acre quantity of N-Serve can then be seen in the Products tab.

13. The Safety Kit Information is used to limit liability to the retail. By default, the Safety Kit and Water Tank Full will be checked. If the Safety Kit is refused by the farmer, make sure the “Safety Kit Refused” box is checked to avoid liability.

14. After verifying the information is correct, click “Ok.”
  - a. A Scale Ticket (Delivery Receipt) print out can be generated by navigating to Scale> Print Delivery Receipt.

## Weigh Tank In

Weight Tank In is used when a tank is returning to the original facility.

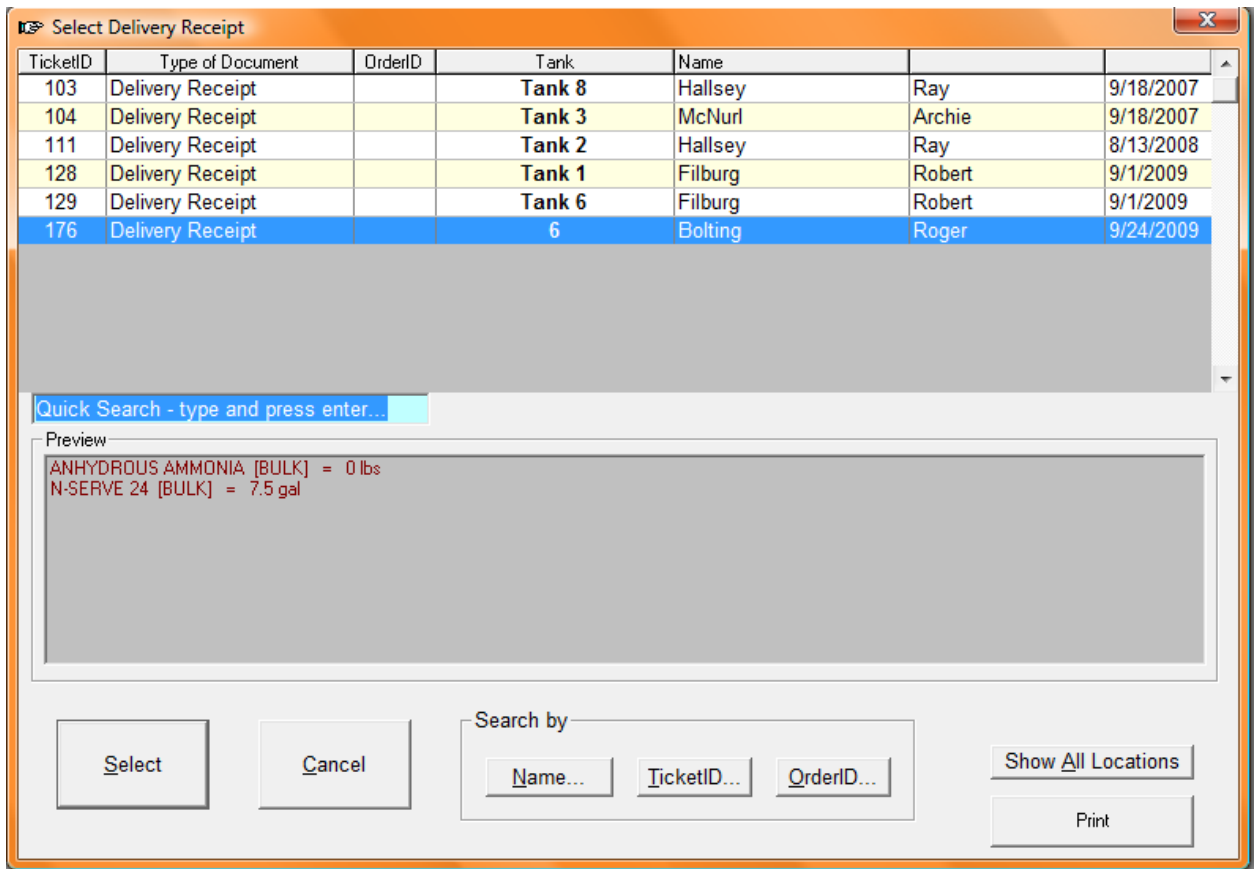
1. Open AgScale.



2. Click the “Weigh Tank In” button.



3. A list of tanks which have been sent out and have a pending Scale Ticket will appear. Click the appropriate tank and click “Select.”



The screenshot shows a window titled "Select Delivery Receipt" with a table of data and search controls.

TicketID	Type of Document	OrderID	Tank	Name		
103	Delivery Receipt		Tank 8	Hallsey	Ray	9/18/2007
104	Delivery Receipt		Tank 3	McNurl	Archie	9/18/2007
111	Delivery Receipt		Tank 2	Hallsey	Ray	8/13/2008
128	Delivery Receipt		Tank 1	Filburg	Robert	9/1/2009
129	Delivery Receipt		Tank 6	Filburg	Robert	9/1/2009
176	Delivery Receipt		6	Bolting	Roger	9/24/2009

Below the table is a search bar: "Quick Search - type and press enter...".

A preview window shows:

```

Preview
ANHYDROUS AMMONIA [BULK] = 0 lbs
N-SERVE 24 [BULK] = 7.5 gal
    
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At the bottom, there are buttons for "Select", "Cancel", "Search by" (with sub-buttons for "Name...", "TicketID...", "OrderID..."), "Show All Locations", and "Print".

- This screen will appear.

Receipt # 176 (Delivery Receipt)

On: 6

To:  ... ?

Farm:  ... X

System Options

Time Out: 9/24/2009 1:33:00 PM

Time In: 9/24/2009 2:15:14 PM

Final Weight

Closed (Delivery Document was created)

Manually Edited Weight

Shipped From: Miles Warehouse

Shipped

Products					
Product	Quantity	Unit	Weight, lbs	Target Qty	InLoad
0 lbs					
▶ ANHYDROUS AMMONI...	0	lbs	0	0	<input type="checkbox"/>
N-SERVE 24 [BULK]	7.5	gal	60.82		<input type="checkbox"/>

Gross:

Tare:

Net:

Hauler:  ▼

Comments:

- Enter the Actual Tare Weight here. As the tare weight is entered, the net weight will automatically recalculate to be the sum of the difference between the gross weight and the net weight.
- After verifying the information is correct, click the "Ok" button to complete.



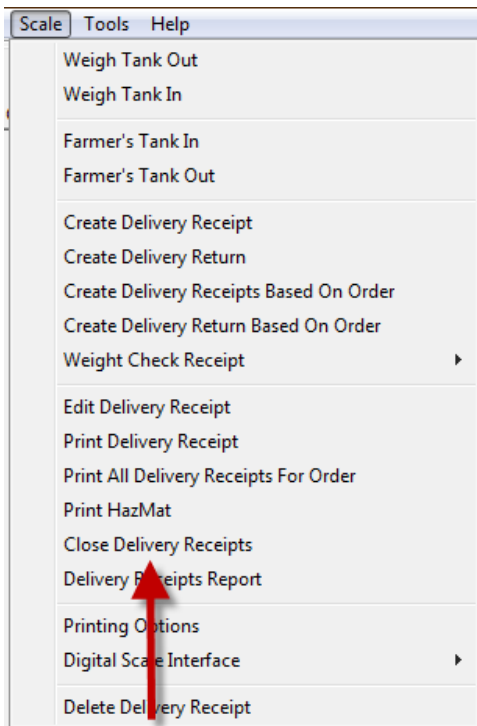
## Closing Scale Tickets (Delivery Receipts)

After the anhydrous tanks have been weighed in, the Scale Tickets (Delivery Receipts) must be closed. This is designed to create a Delivery Ticket for several Scale Tickets (Delivery Receipts) at one time. Delivery Tickets will be created and sorted by customer name. A separate Delivery Ticket will be created for each farm. This feature allows the user to hold off on creating a delivery ticket until all anhydrous applications have been created for the grower. Billing documents will then show all anhydrous purchases in one item for each farm.

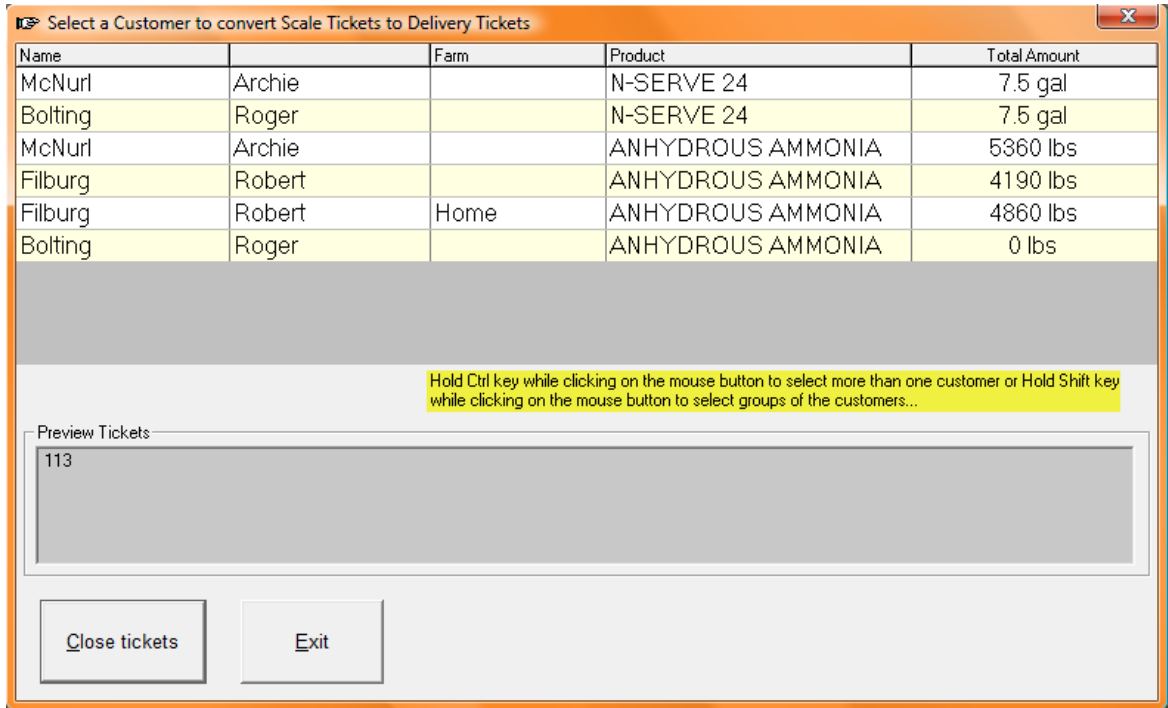
1. Open AgScale.



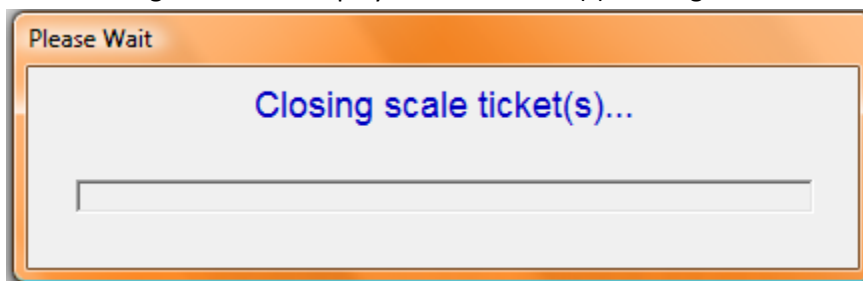
2. Navigate to Scale> Close Delivery Receipts



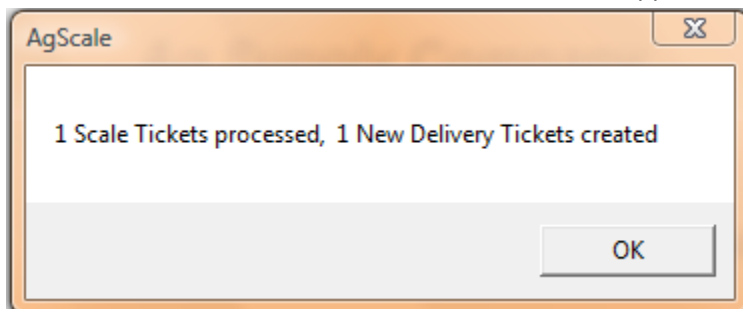
3. A screen will be displayed showing the customers who have had a Scale Ticket weighed out and weighed in. The total weight shipped will be displayed for each customer. Select which Scale Ticket that needs closed by clicking on the customer and clicking the “Close Tickets” button.
  - a. To select more than one customer, hold the Ctrl key while clicking the mouse button.
  - b. Hold Shift while clicking the mouse button to select groups of customers.



4. The following screen will display while the ticket(s) is being closed.



5. When all the tickets are closed, this notification will appear. Click “Ok.”



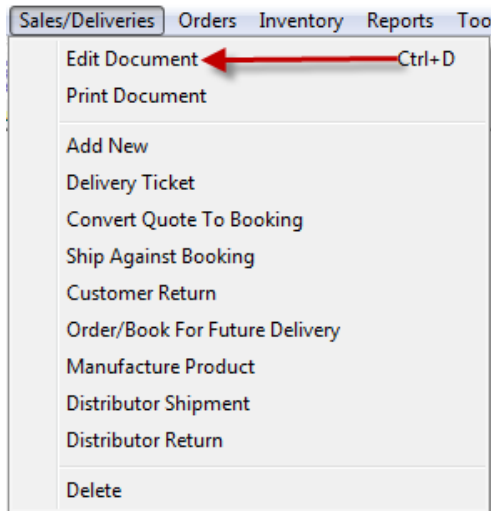
6. The newly created Delivery Ticket can now be accessed in Delivery Doc.

**To view and/or print a closed Scale Ticket**

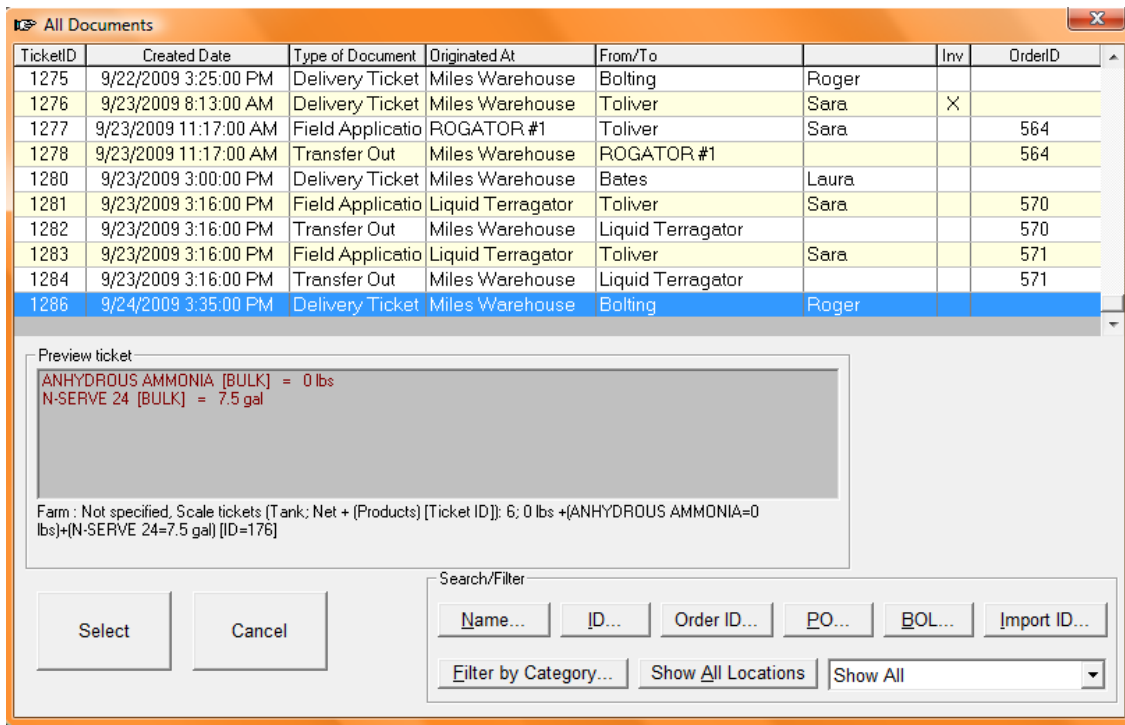
1. Open Delivery Doc.



2. Navigate to Sales/Deliveries> Edit Document.



3. The following screen will appear. Click on the Delivery Ticket that needs viewed/printed and click "Select."



TicketID	Created Date	Type of Document	Originated At	From/To		Inv	OrderID
1275	9/22/2009 3:25:00 PM	Delivery Ticket	Miles Warehouse	Bolting	Roger		
1276	9/23/2009 8:13:00 AM	Delivery Ticket	Miles Warehouse	Toliver	Sara	X	
1277	9/23/2009 11:17:00 AM	Field Applicatio	ROGATOR #1	Toliver	Sara		564
1278	9/23/2009 11:17:00 AM	Transfer Out	Miles Warehouse	ROGATOR #1			564
1280	9/23/2009 3:00:00 PM	Delivery Ticket	Miles Warehouse	Bates	Laura		
1281	9/23/2009 3:16:00 PM	Field Applicatio	Liquid Terragator	Toliver	Sara		570
1282	9/23/2009 3:16:00 PM	Transfer Out	Miles Warehouse	Liquid Terragator			570
1283	9/23/2009 3:16:00 PM	Field Applicatio	Liquid Terragator	Toliver	Sara		571
1284	9/23/2009 3:16:00 PM	Transfer Out	Miles Warehouse	Liquid Terragator			571
1286	9/24/2009 3:35:00 PM	Delivery Ticket	Miles Warehouse	Bolting	Roger		

Preview ticket

ANHYDROUS AMMONIA [BULK] = 0 lbs  
 N-SERVE 24 [BULK] = 7.5 gal

Farm : Not specified, Scale tickets (Tank; Net + (Products) [Ticket ID]): 6; 0 lbs +(ANHYDROUS AMMONIA=0 lbs)+(N-SERVE 24=7.5 gal) [ID=176]

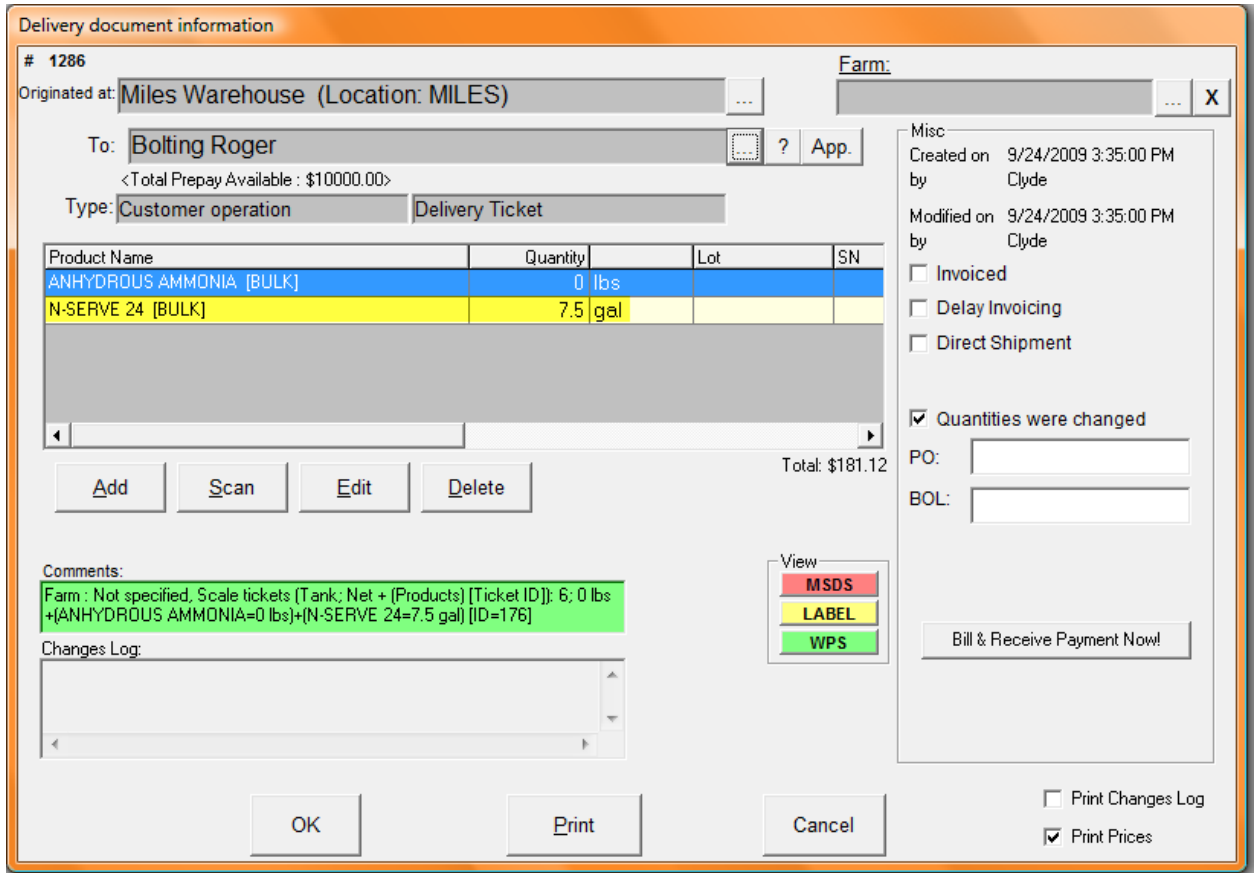
Select      Cancel

Search/Filter

Name...   ID...   Order ID...   PO...   BOL...   Import ID...

Filter by Category...   Show All Locations   Show All

4. The Delivery Document Information window will appear.



Delivery document information

# 1286 Farm:

Originated at: Miles Warehouse (Location: MILES)

To: Bolting Roger  ? App.

<Total Prepay Available : \$10000.00>

Type: Customer operation Delivery Ticket

Product Name	Quantity	Lot	SN
ANHYDROUS AMMONIA [BULK]	0 lbs		
N-SERVE 24 [BULK]	7.5 gal		

Total: \$181.12

Buttons: Add, Scan, Edit, Delete

Comments: Farm : Not specified, Scale tickets (Tank; Net + (Products) [Ticket ID]): 6; 0 lbs +(ANHYDROUS AMMONIA=0 lbs)+(N-SERVE 24=7.5 gal) [ID=176]

Changes Log:

View: MSDS, LABEL, WPS

Misc: Created on 9/24/2009 3:35:00 PM by Clyde; Modified on 9/24/2009 3:35:00 PM by Clyde

Invoiced  
 Delay Invoicing  
 Direct Shipment  
 Quantities were changed

PO:   
 BOL:

Bill & Receive Payment Now!

Print Changes Log   
 Print Prices

Buttons: OK, Print, Cancel

- The total pounds of NH3 product is shown along with any services charges (highlighted in yellow above).
- The comments section will display which scale tickets were totaled on the Delivery Ticket (highlighted in green above). It also displays the farm name, tank number, total amount of product delivered, what ticket number, and that it was created from a closed scale ticket.

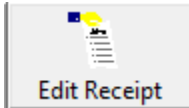
5. Click "Print" to print the closed Scale Ticket.

## Editing Scale Tickets

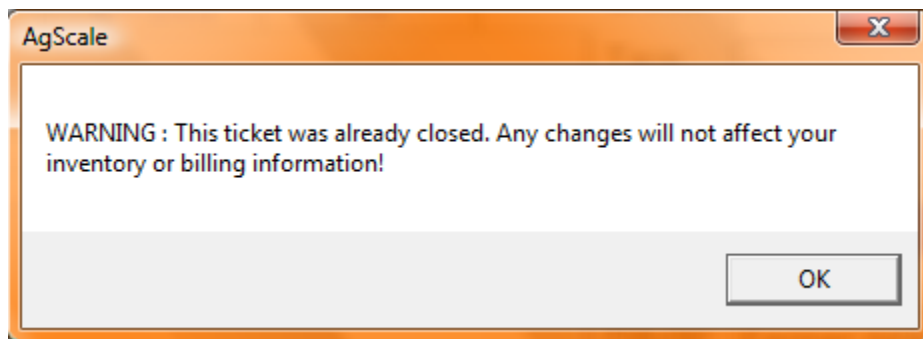
1. Open AgScale.



2. Click Edit Receipt.



This feature can only be used if the ticket has not been closed. If a closed ticket is chosen to be edited, the following warning screen will appear.



The system will allow changes, but they will not be recorded in your inventory or billing system.

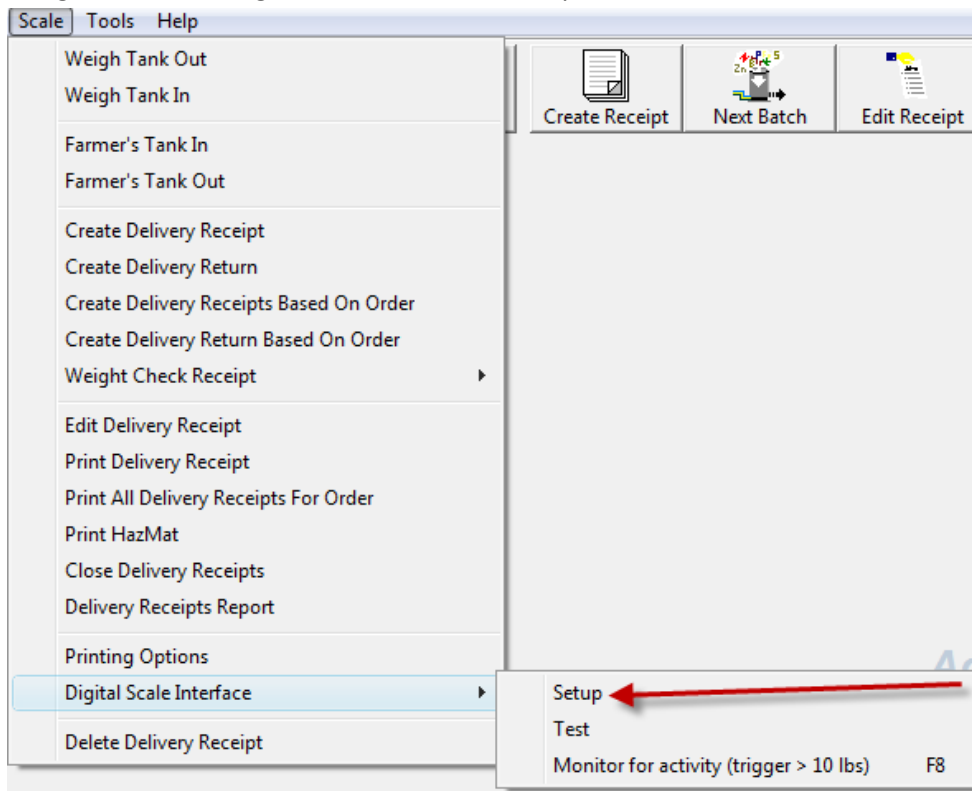
## Scale Interface

AgScale has an interface with electronic scales for capturing actual weights from many electronic scale heads. AgScale can be setup to electronically capture the actual weights from the scale.

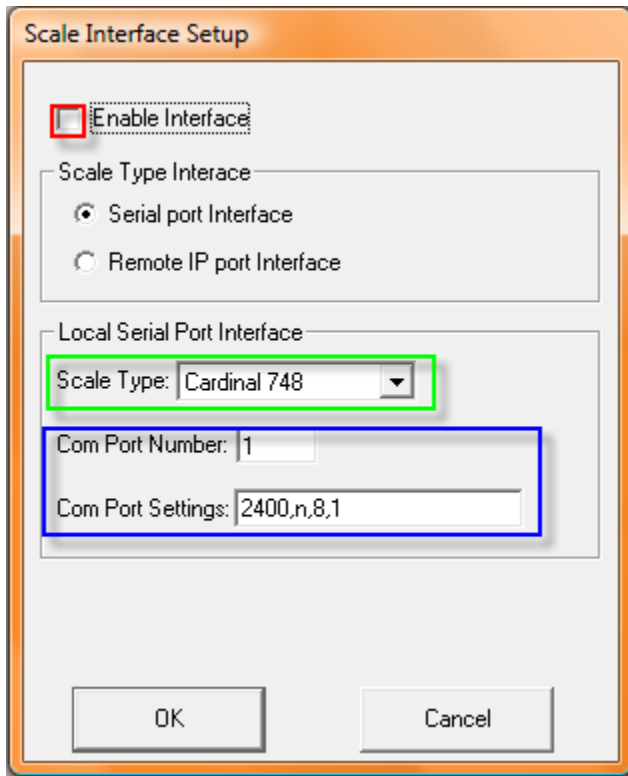
1. Open AgScale.



2. Navigate to Scale> Digital Scale Interface> Setup.



- The following window will display.



The image shows a dialog box titled "Scale Interface Setup". It contains the following elements:

- An unchecked checkbox labeled "Enable Interface" with a red box around it.
- A section titled "Scale Type Interface" with two radio buttons: "Serial port Interface" (selected) and "Remote IP port Interface".
- A section titled "Local Serial Port Interface" containing:
  - A dropdown menu for "Scale Type" with "Cardinal 748" selected, highlighted with a green box.
  - A text input field for "Com Port Number" containing "1", highlighted with a blue box.
  - A text input field for "Com Port Settings" containing "2400,n,8,1", highlighted with a blue box.
- "OK" and "Cancel" buttons at the bottom.

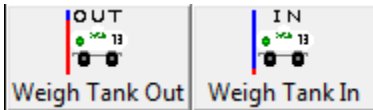
- Place a checkmark in the Enable Interface box (highlighted in red above).
- Select the model of the scale being used (highlighted in green above).
- Enter the Com Port Settings.
  - AgWorks may need to assist with this information.
- Click "Ok" when finished. AgScale will need to be restarted when this setup is complete.

### Using the Scale Interface

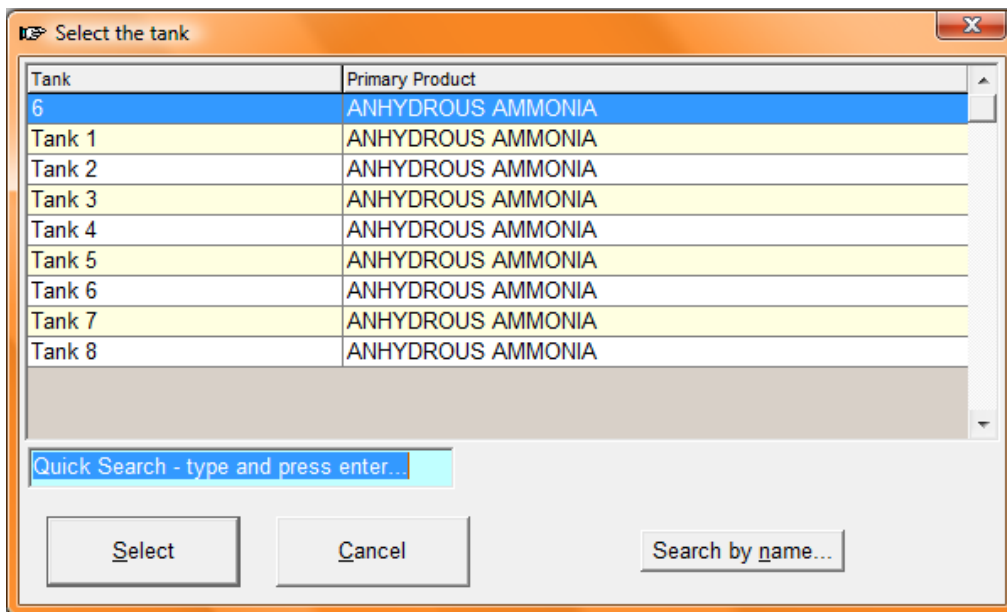
1. Open AgScale.



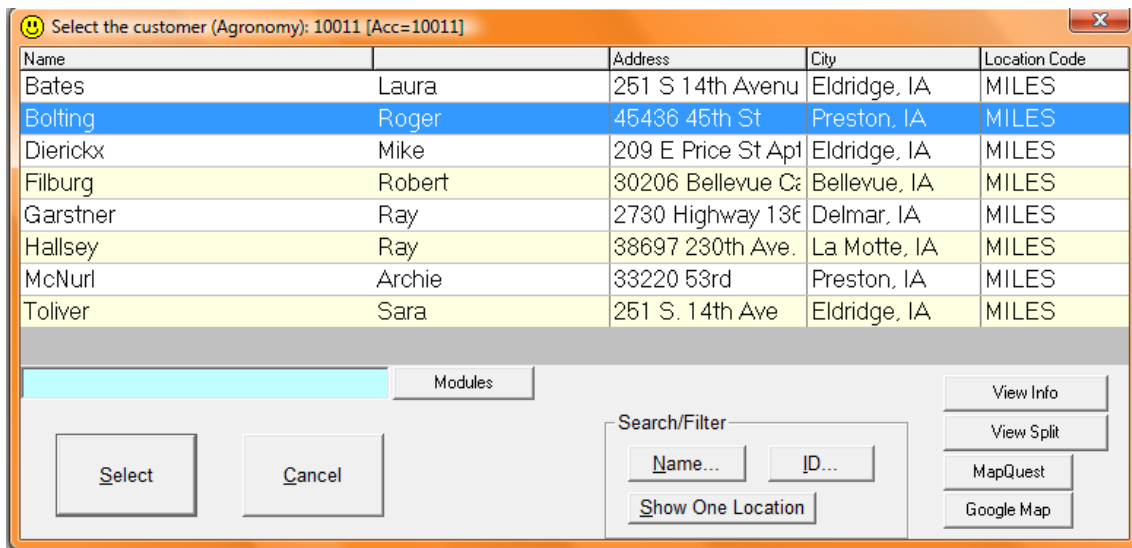
2. Click Weigh In or Weigh Out.



3. Select the tank.

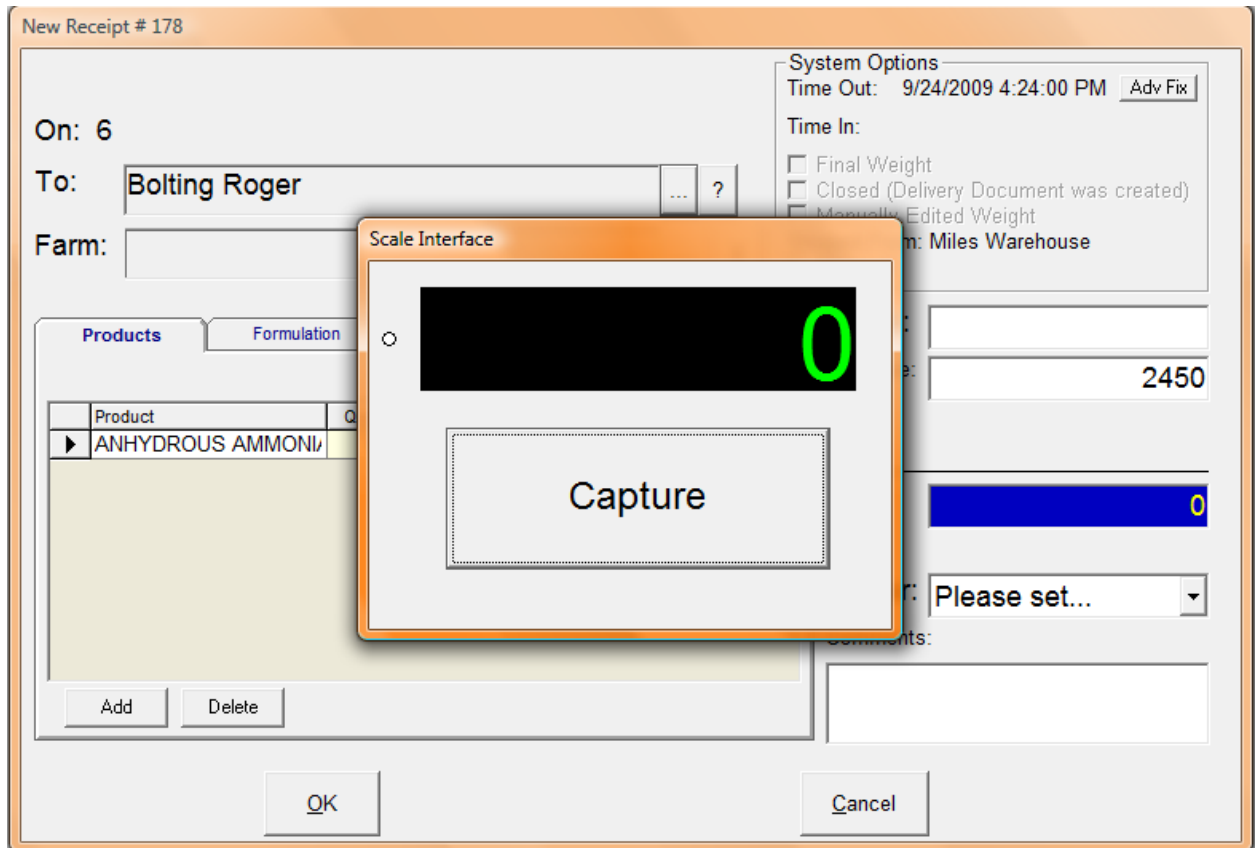


4. Select the customer.





5. The following screen will appear.



The screenshot displays the 'New Receipt # 178' window. The 'To:' field is populated with 'Bolting Roger'. A 'Scale Interface' dialog box is open, showing a digital scale display with '0' and a 'Capture' button. The background interface includes a 'System Options' panel with checkboxes for 'Final Weight', 'Closed (Delivery Document was created)', and 'Manually Edited Weight', and a table with 'ANHYDROUS AMMONIA' listed under 'Products'.

- a. The "0" will be replaced by the actual weight in the tank.
  - b. Click "Capture" to capture the weight. This amount will be entered in the Scale Ticket. If an adjustment needs made to the weight, click in the weight to be adjusted and enter the desired weight.
6. The rest of the process stays the same.