SOILMAP

Release Update – March 23, 2018

Version 9

What's New in Version 9

- Blendsheets – Create multiples at a time
- Blendsheets – Added pricing
- Blendsheets –Now dynamic, edit a previously created blendsheet
- Blendsheets – View original, dynamic, and completed
- Blendsheets – GMO and Crop labeling intelligence
- Blendsheets – New report added – reported quantities
- Blendsheets – New types added – Flat Rate Lime, VRT Lime, Flat Rate Nh3, VRT Nh3
- Blendsheets – Electronic signature from In-Cab app, start/stop time, weather information added
- Grower Notifications – Email and Text Alerts
- Dispatch – GMO notifications, Set last task of the day, product entry, view map added to in-cab
- Dispatch – Electronic In-Cab application Report
- Dispatch – Daily Products needed report added
- Billing Dashboard – New Dashboard added to assist billing
- Kahler Web Service Updates – Delete order in Kahler from SOILMAP.
- Tender Map – Blendsheet ID added
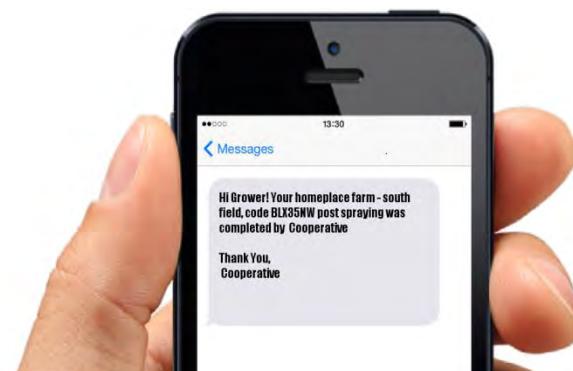
SOILMAP Update

- We are very excited to release Version 9 We know the features included in this update were heavily requested.

- We understand that change is hard and you've been accustomed to the way of doing it before. One of the biggest benefits from this update is you can now create blendsheets for multiple fields at once. You no longer need to go field by field.

- Please read the release notes ahead and as always call in for support.

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Workflow Batch Blendsheets

- With this version you will no longer be creating blendsheets at the field level.

- This feature has been moved to the Decision Maker (D.M.) level.

- D.M. Button – Batch Blendsheets

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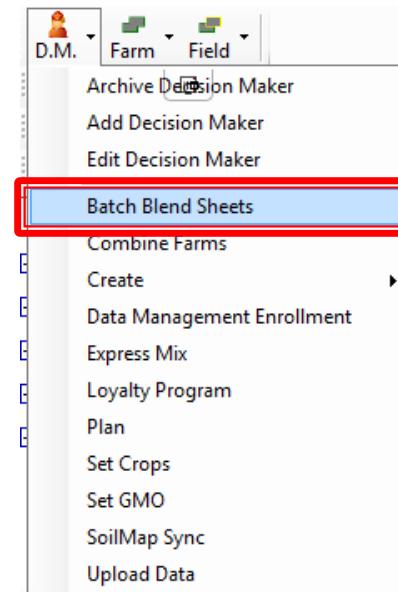
Workflow

- Upon loading the Batch Blendsheets you will be presented with all of your fields.

- Select the field(s) you want to create blendsheets for.
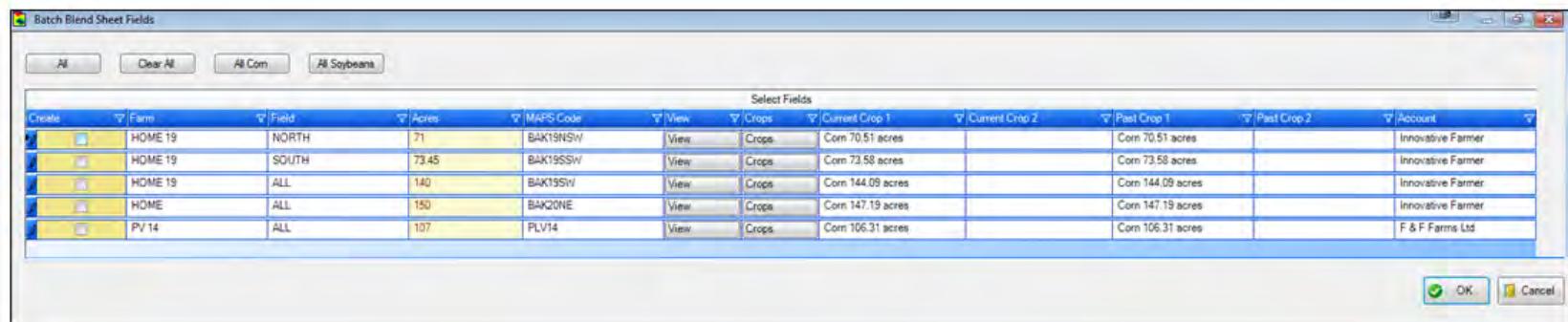
Additionally, you can also:

Override Crop Acres → View Field Boundaries → Set Crops

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Set Defaults

▸ The first step you should do is set defaults. . Doing so can save you time in the subsequent steps, and the settings will be saved for any Batch BlendSheets generated going forward. You will still have the ability to override the defaults if you choose to do so.
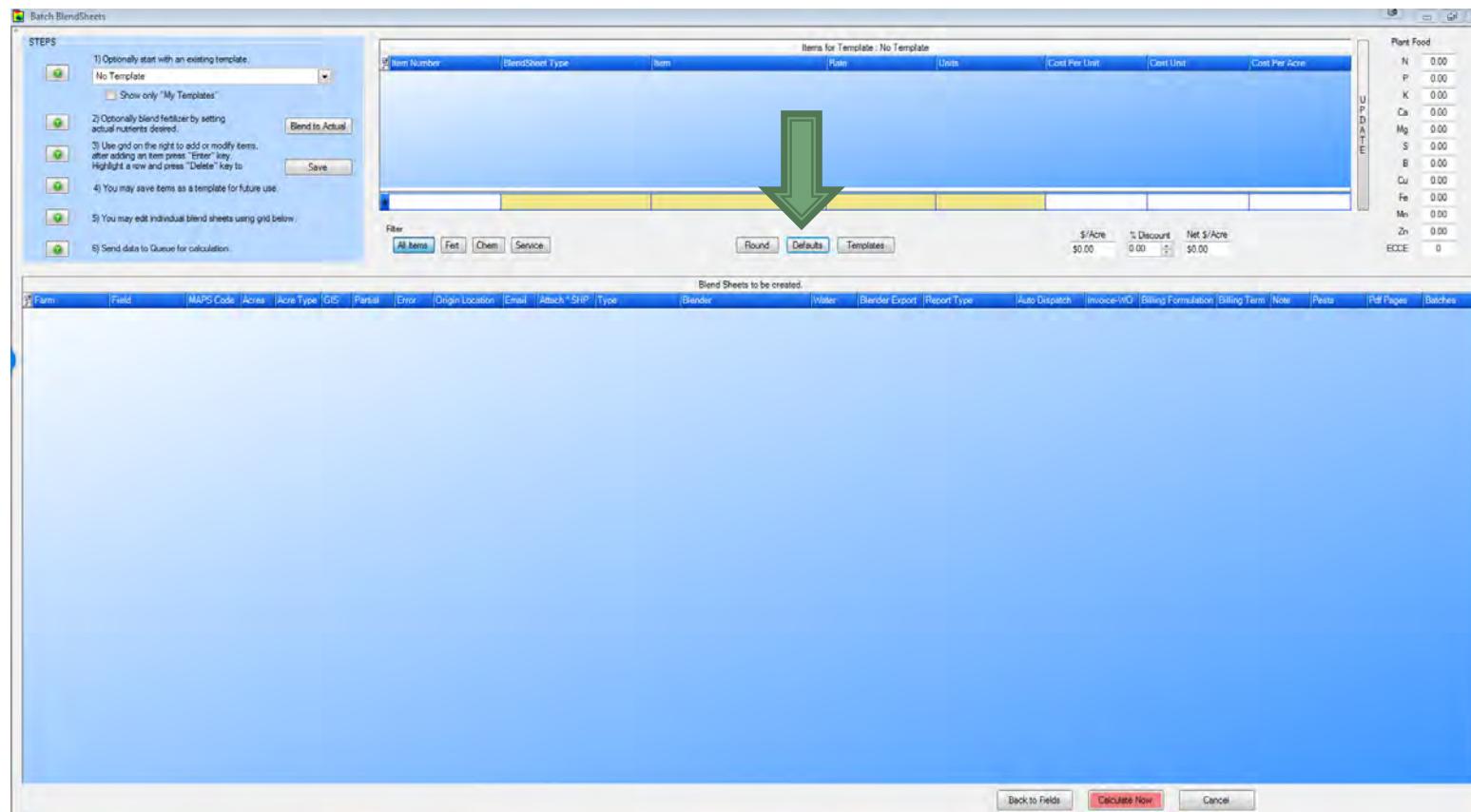
Set Defaults

- Alert! You will find that some settings will need to be edited seasonally.
  - Example – for Type = Water: PRE and POST season BlendSheets may have different settings and will need to be edited in a timely manner.
  - Notice there is now a flat rate lime and NH3.
  - There are also VRT options.

Add Products

- There are 3 methods for adding products. Select an available Template, Blend to Actual, Add by Product Name

- To start with a template, simply pick one from the drop down menu. Add and subtract items as needed.

Or…

- To create a template you can push the template button in the center screen or create one in Company Database Settings. (Page 16)

Or..

- Begin by using either or both of the other two methods to create a blend and Save that work as a template using the Save button provided.

Dial in $$$.$$

- The field(s) you selected will now be shown in the bottom half and will contain the products you selected in the top half.
- New! Cost attributes are now available when creating a blendsheet. Please refer to (Page 24) for cost setup instructions.

Details

- Lets take a closer look at the list of fields at the lower half of the Batch BlendSheets window. There are multiple options you used to do at the field level but now do in batch.

Farm	Field	MAPS Co	Acres	Acre Type	GIS	Partial	Type	Blender	Auto Blender Export	Invoice / WO	Report Type	Origin Location	Water	Pdf Pages	Batches	Auto Dispatch	Error	Note	Target Pest
FD MIDDLE	ALL	COO21N	10	OverRide	Reset	Partial	Dry Fertilizer	Test_Kahler_FTP	☑	☑	Dry Fert Batch	Fort Dodge	0			Do Not Send		Add	Set
NORTH OF	NORTH OF SC	COO21N	8.23	GIS		Partial	Dry Fertilizer	Test_Kahler_FTP	☑	☑	Dry Fert Batch	Fort Dodge	0			Do Not Send		Add	Set
SECTION 20	ALL	IOA20NE	96.9	GIS		Partial	Dry Fertilizer	Test_Kahler_FTP	☑	☑	Dry Fert Batch	Fort Dodge	0			Do Not Send		Add	Set

Override Acres | Blender | Auto export to blender | Auto send to accounting | # of PDF Pages | # of Batches | Send to Dispatch? | BlendSheet Notes

- When you push the BlendSheet Note button this screen will appear and allow you to type.

Blend Sheet Note

Do not spray the CRP.

OK   Cancel
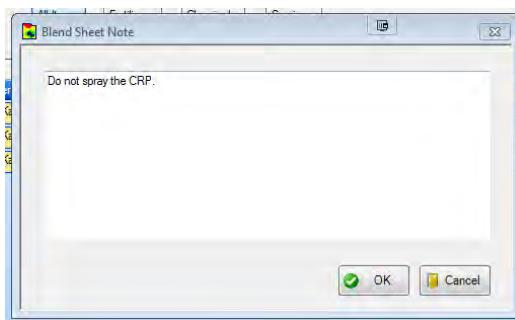
- Push the Calculate Now button when you are done.

Back to Fields   Calculate Now   Cancel

SOILMAP
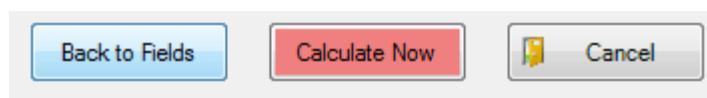
Create blendsheet(s)

▸ After pushing the calculate now button you then go to the blendsheet dashboard screen where your blendsheets will be created. The time this takes to complete varies.

▸ White background means they are complete.
▸ Light grey is in process.
▸ Dark Grey hasn't started.

Viewing blendsheets

- You can then view/edit blendsheets. The edit is dependent on the accounting/blending/dispatch stages it may have gone through.

- You will notice a 2nd tab labeled "Modify Blendsheet"
- If it's not locked you can edit rates or add/remove products
- After making a change press the Re-Calculate button

SOILMAP tree

‣ Blendsheets can also still be viewed from the SOILMAP tree

VRT Blendsheet

▸ The button previously called "Plan" has now been changed to "Blendsheet" When you push this button it will take you to the blendsheet creation screen.
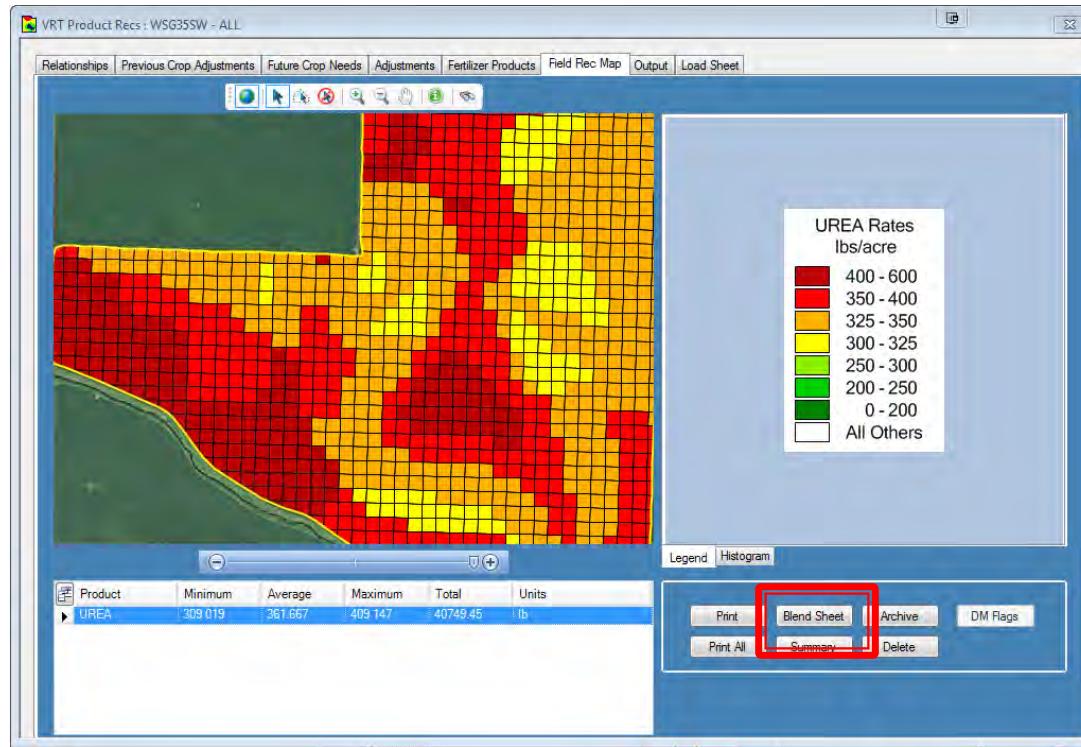
Blendsheet Dashboard

▸ You can also load blendsheets from the new Blendsheet Dashboard screen.
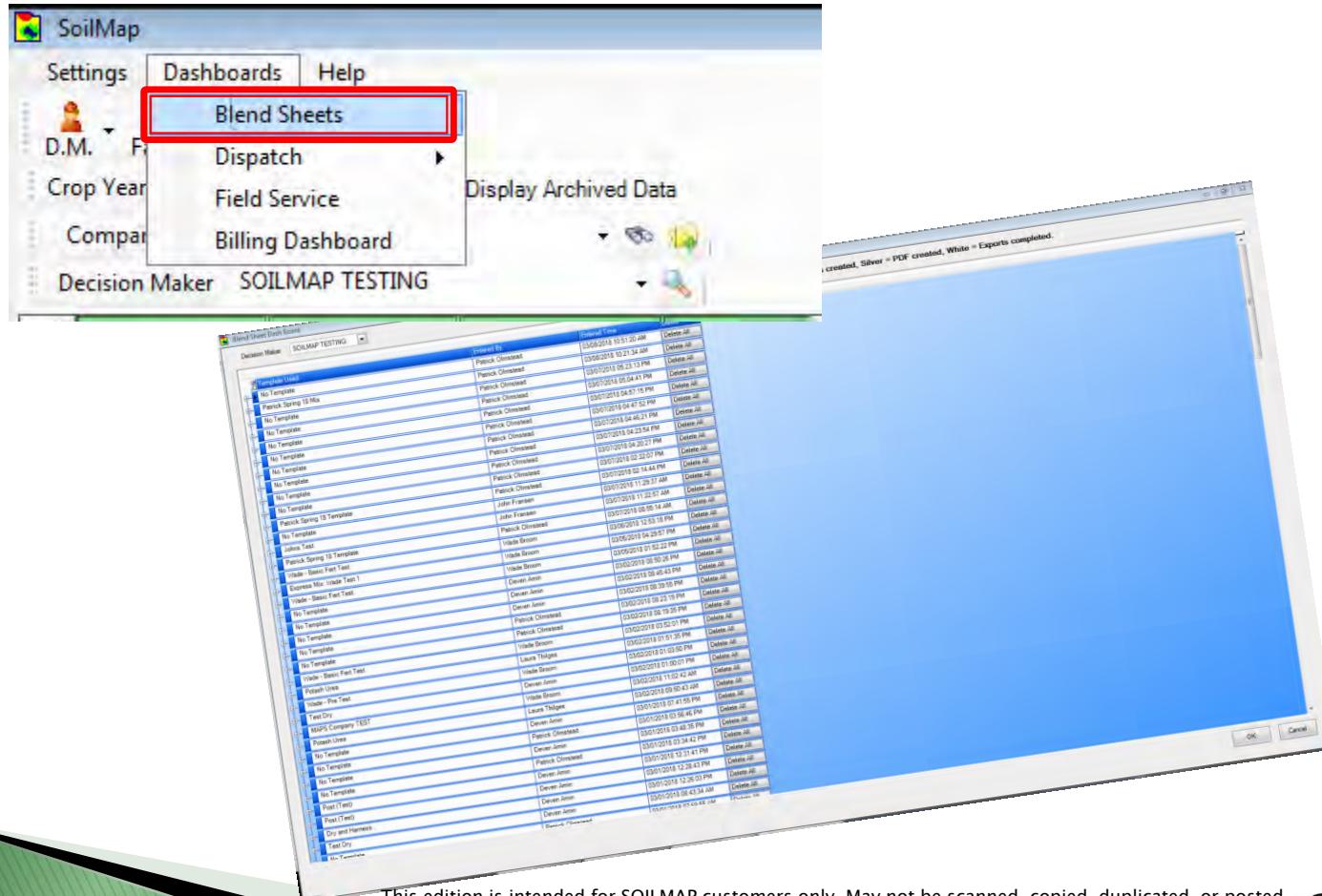
Blendsheet Templates

▸ You can save a template during the blendsheet creation process or create/edit them from –Company Database – Blendsheet Templates.
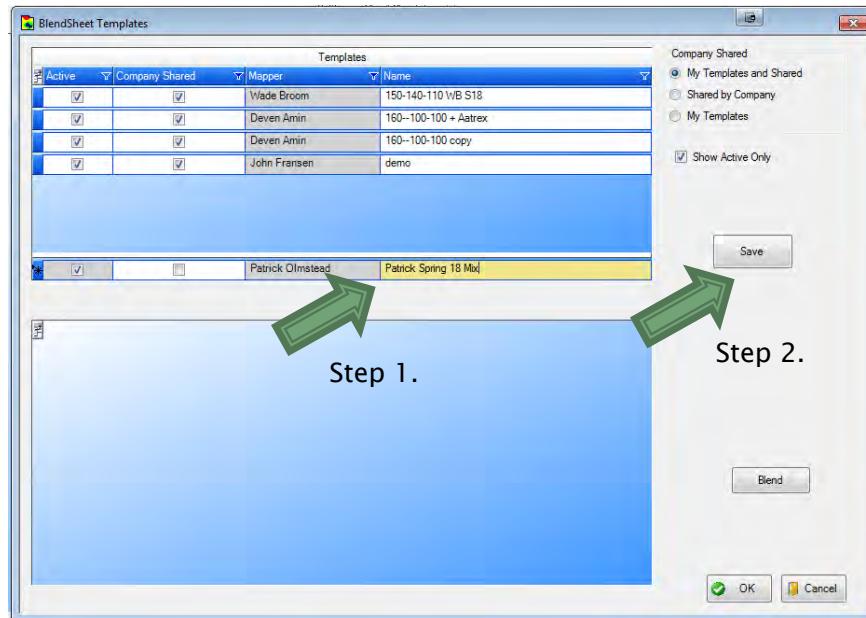
Step 1. To start, click in the yellow name column and name your template. If you want to share it, check the shared box.

Step 2. Push the save button.

SOILMAP

Blendsheet Templates

- You will now need to add product(s) to your template.
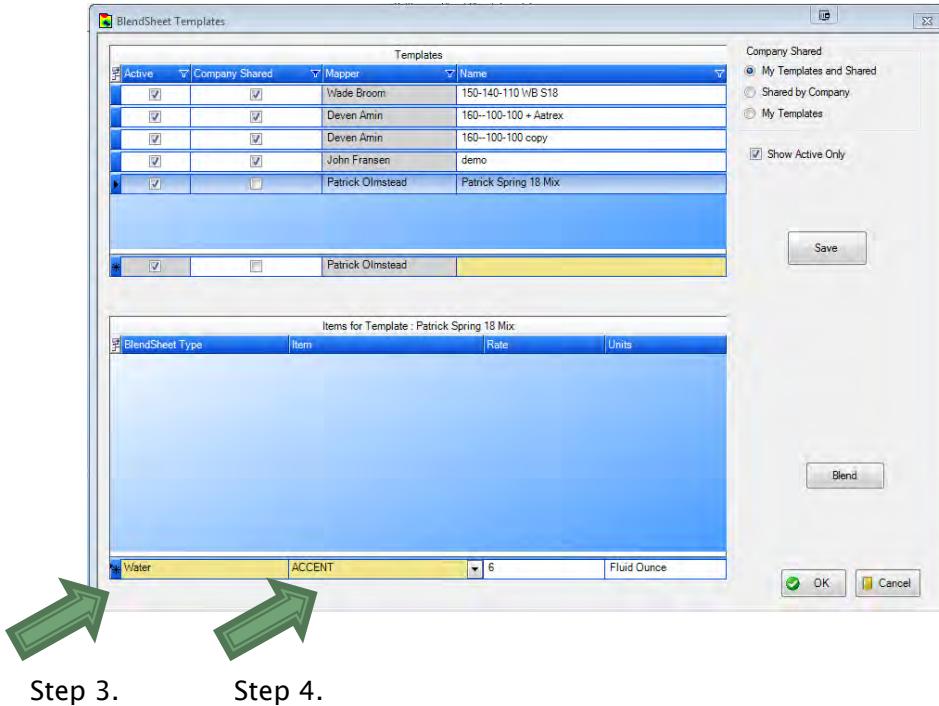
Step 3. Select a blendsheet type or press Blend button.

Step 4. Select a product.

Step 5. Push the enter button to add. (continue this to add multiple products)

Step 6. Push the save button when complete.

SOILMAP

Blendsheet Report Options

▸ A screen was also added called Blendsheet Report Options. This will allow you to change Default # of pages, rounding, unit of measure, and more.
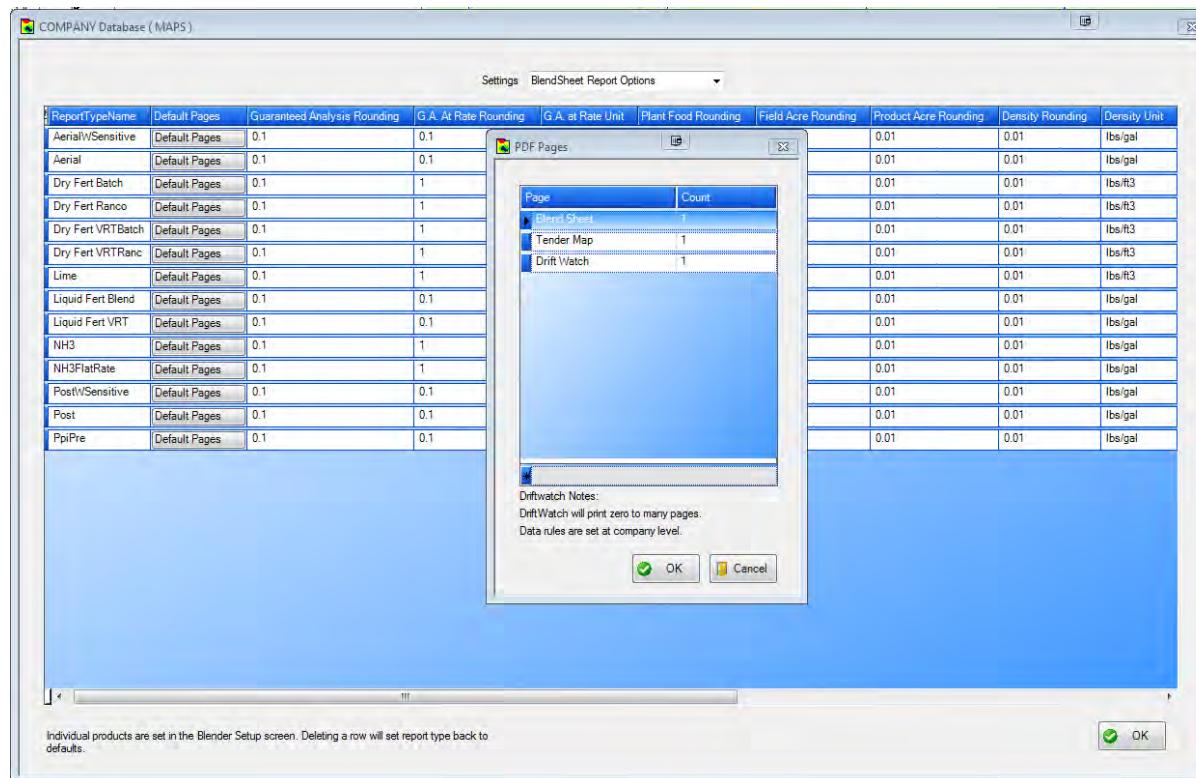
Found under settings – company database – blendsheet report options

Product Setup

- If you attempt to create a blendsheet that doesn't have products setup for use, you may receive a message like this:

Error

⚠ Following items not allowed in Blender : Test_Kahler_FTP
Item #0060156 Item Name : ZINC SULFATE 35.5% Fert
Item #0060170 Item Name : SULFUR 90% (Bulk or Tote)
Item #0080590 Item Name : DRY

OK
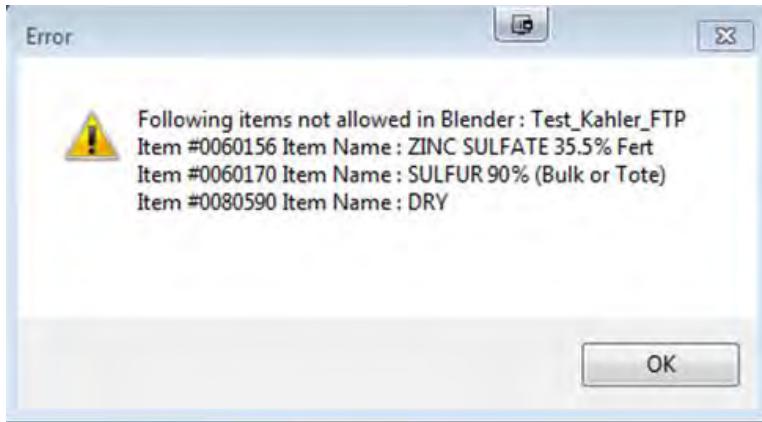
- The next slides will cover more on blender setup.

Blender Settings Screen

▸ Select your blender and push the product setup screen. This was previously known as the chemical and fertilizer mix order screen.
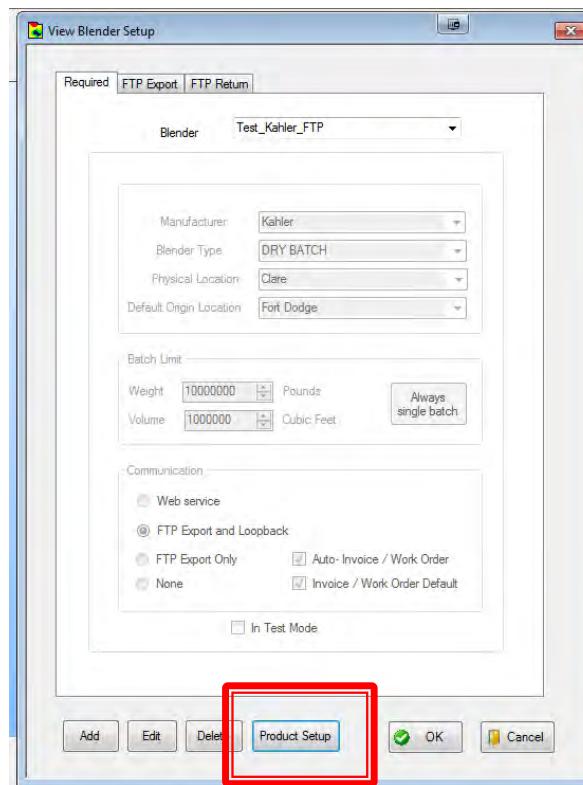
You can also setup a blender to auto-invoice/workorder.

This would be the equivalent of the "book" button auto booking your blendsheets

Add Products

▸ At this screen, anything on the left can be used in your blender. You can also define the mix order here, adjusting the mix order is as easy as drag & drop or changing the mix order number.

Products by report type

▸ Previously you could not use some fertilizers in an aerial application report. That limitation has now been removed. By utilizing the feature "blendsheet products by report type" On the left hand side are products that are allowed on a blendsheet. Simply move a product from the right hand side to the left hand side for it to be used in a report type.

Deleting a blendsheet

▸ You still have the functionality as before to delete a blendsheet however there will be some scenarios where a blendsheet can't be removed. Some reasons may include:

I.   Has billing history and cannot be deleted.
II. Has been completed, has historical information, and cannot be deleted.
III. Has been dispatched and cannot be deleted.
IV. Has been sent to an automated blender and cannot be deleted.

Deletion(s) failed   ☒

ⓘ   BlendSheetID: 546344 has been sent to an automated blender and
    cannot be deleted.

    BlendSheetID: 546346 has been sent to an automated blender and
    cannot be deleted.

    BlendSheetID: 546348 has been sent to an automated blender and
    cannot be deleted.

                                                    OK

SOILMAP
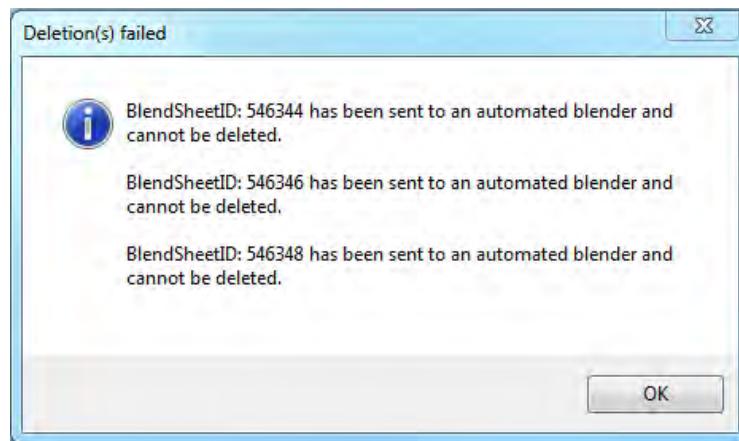
Setting Cost

▸ You now have 3 screens to edit your prices that will be listed on the calculate blendsheet screen. You will control Chemical, Fertilizer, and Services.
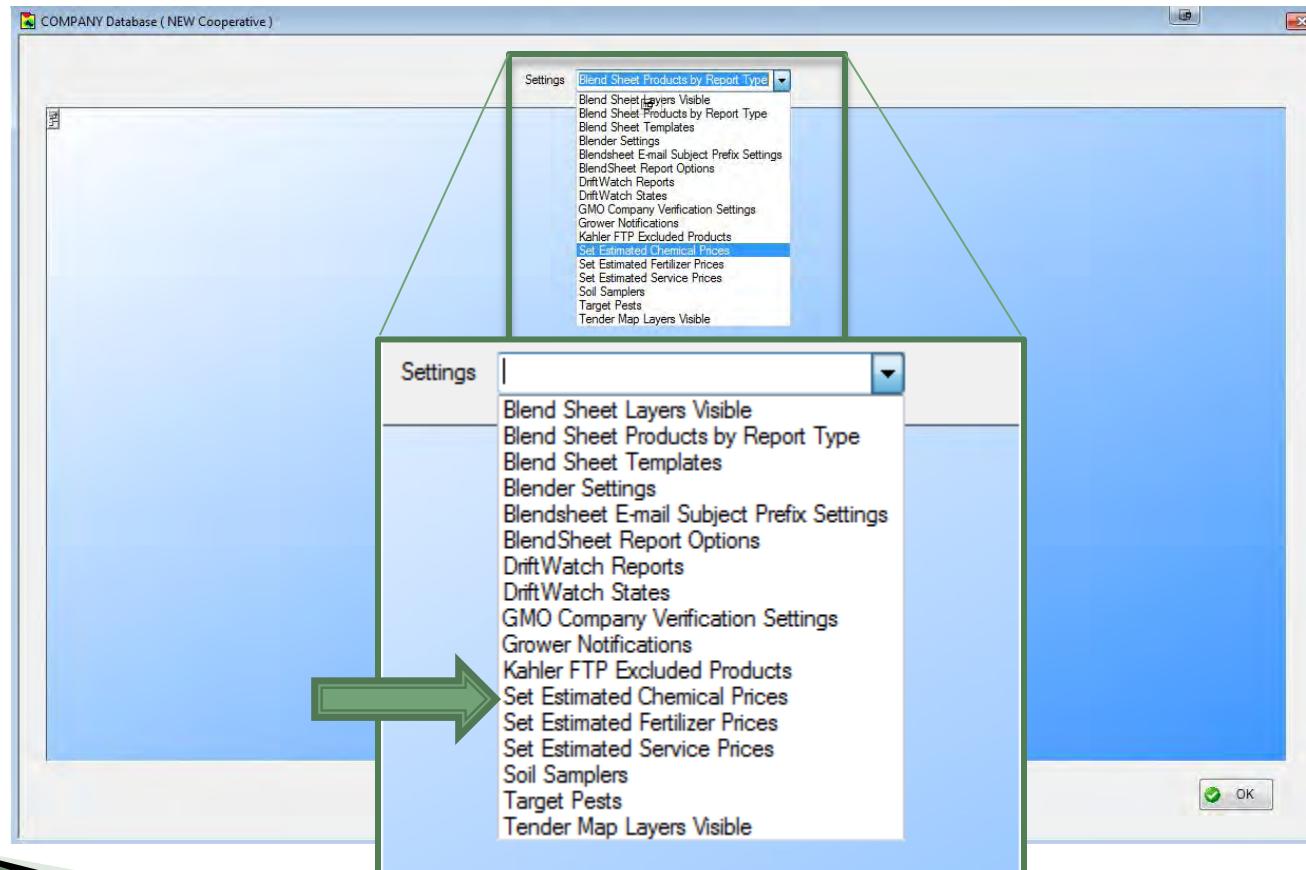
Setting Costs

- Simply type in the number you want for your estimated price and it will now use that cost as your default in the blendsheet calculation screen.

Other blendsheet items

- Blendsheet ID has been added to the Tender Map
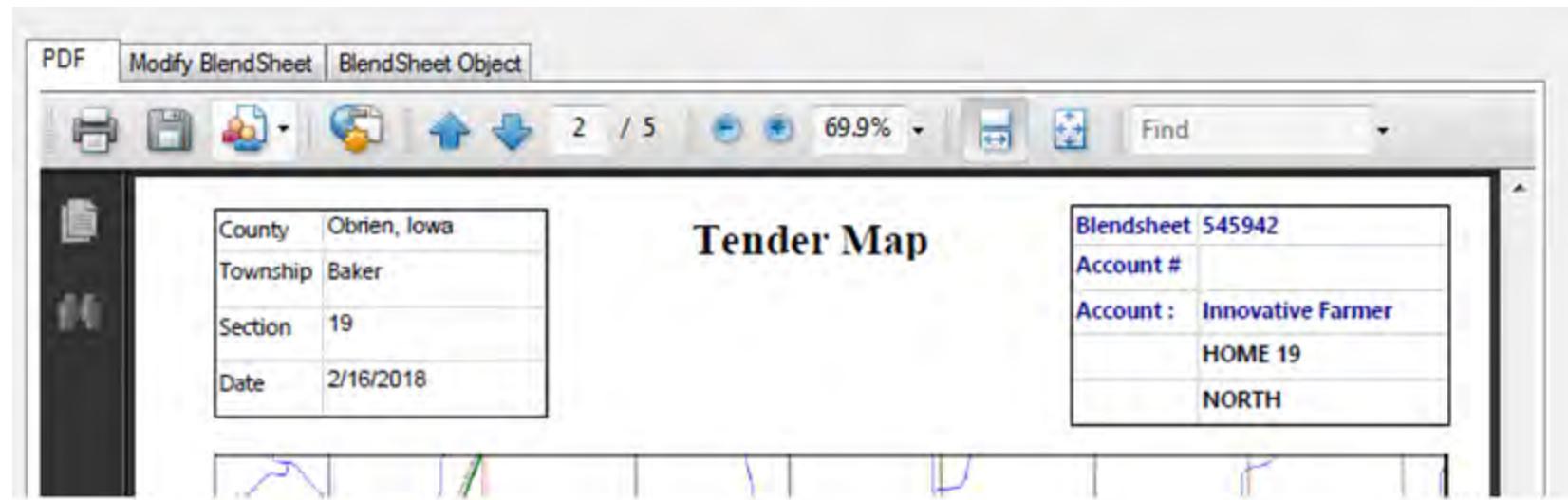
Other blendsheet items

▸ New Blendsheet headings added (Flat Rate & VRT specific)
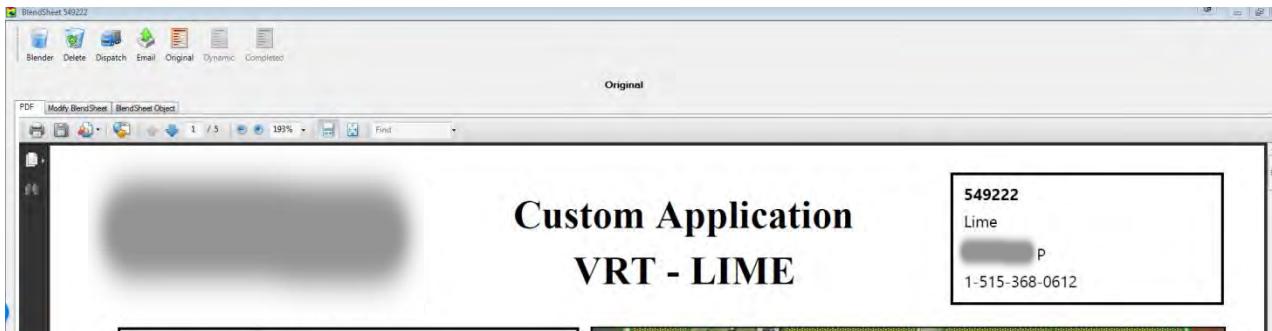
Other blendsheet items

- You can view the Original, Dynamic, and Completed blendsheets.
  - Original – blendsheet as is on day it was created.
  - Dynamic – edits that were done to the blendsheet after creation. Example – Added a product or changed a rate.
  - Completed – When completed in Dispatch this will show you the applicator totals.

Other blendsheet items

- Many new units of measure have been added, for example Gallons/100 gal

Other blendsheet items

▸ In the blender setup you can now choose on water to Replace or Add to the total product
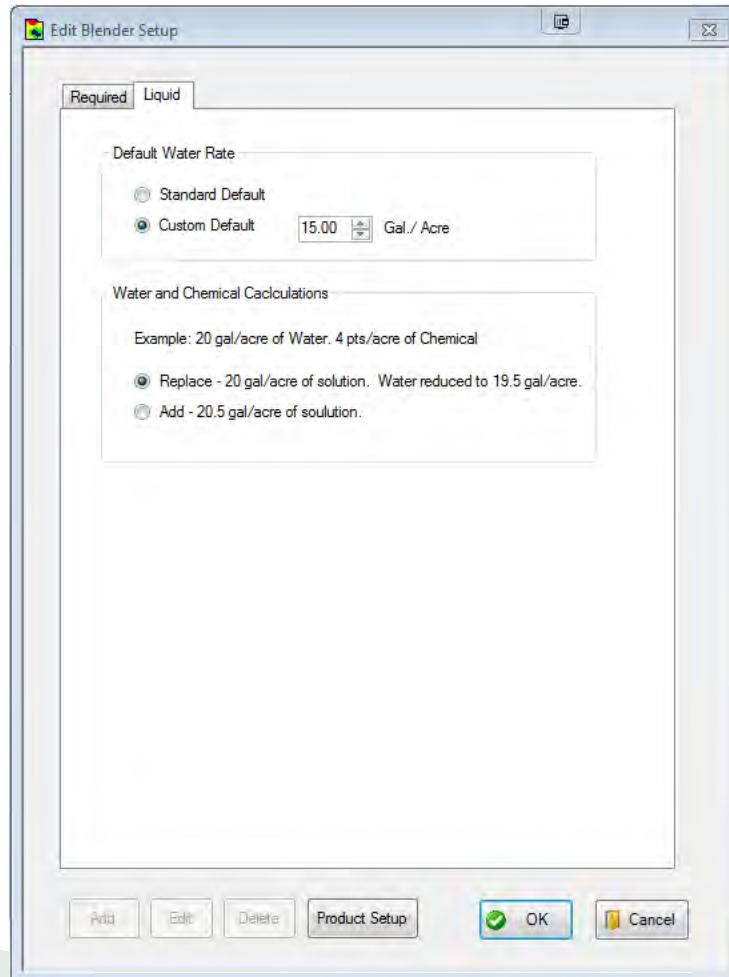
Billing Dashboard

- A billing dashboard was added that will provide you with the ability to bill, view in-cab quantity variances, view, etc. You can search off of:
    - All Blendsheets not billed (in the last 2 years)
    - Completed in dispatch, not billed
    - Billed, not sent to blender
    - Completed in dispatch, blended, not billed
    - Billed
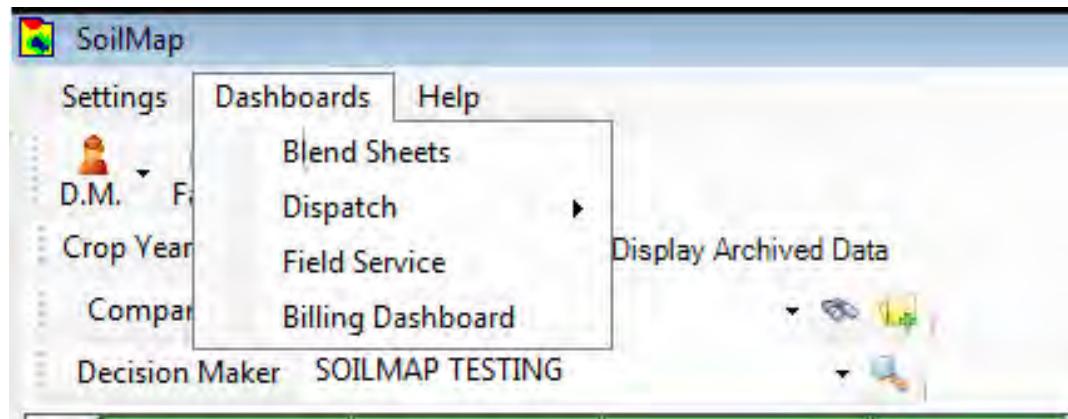
Billing Dashboard

- Please contact SOILMAP for more information on the billing dashboard. Future release notes will cover more functionality.

Grower Notifications

- SOILMAP is now capable of adding, storing, and using grower e-mail addresses and/or cell phone numbers.
  - This screen is found in the Company Database setup screen.
- Send alerts directly to the grower when a dispatch event is completed.

Dispatch – Last Task for Day

- The dispatch schedule page follows logic that looks at machine & field location, efficiency factor, field acres, products, and more to estimate a fully scheduled workday. Sometimes the early evening jobs may be intended for the following day. Now you can schedule those for the next day. Simply right click on a blendsheet from the schedule page and select Set/Reset Last Task for Day. Everything after that will be moved to the next day.

Update Status

- A new feature was added that will allow you to add/edit products from the Update Status button in dispatch.

Update Status

- You can then utilize the add chemical, fertilizer, or service button to add or edit. Push the update blendsheet button when done.

Update Status

▸ These changes will then be reflected on your Reported Quantities Applied Blendsheet.

County	Adair, Iowa
Township	Richland
Section	30
Date	3/6/2018

Reported Quantities Applied

MAPS
MIDWEST AGRONOMIC PROFESSIONAL SERVICES™
NEW COOPERATIVE

Blendsheet	548455
Account #	0017509
Account :	Fransen, John
	DISPATCH STEP 3
	ALL

Item	Product	Total Applied	Completed By	Completed At
0060010	0-0-60 POTASH Bulk Fert	210787.5 lb	Patrick Olmstead Test	03/06/2018 07:54 AM
0060010	0-0-60 POTASH Bulk Fert	105000 lb	rbartels-Dispatcher	03/06/2018 07:58 AM

Temp	Wind Direction	Wind Speed	Humidity	Target Pest	Acres Applied	Applicator Name	License
29	WNW	22	77		0	Jason Songer	
25	NE	14			602.3	Patrick Olmstead Test	123PatOlmstead

| Applicator Name	Signature
Patrick Olmstead Test	PᴶtO

SOILMAP DISPATCH

Dispatch In-Cab App

▸ Upon starting a job now, the blendsheet note will now appear and ask you to proceed.
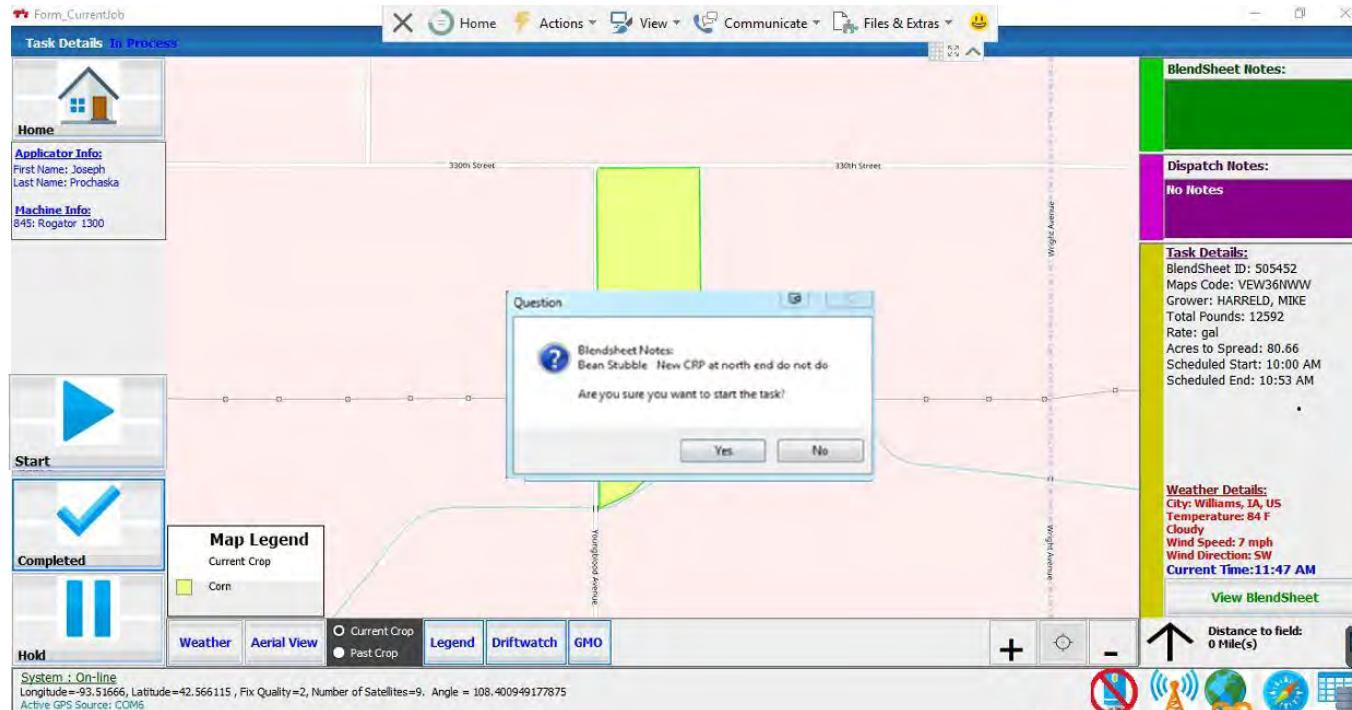
Dispatch In-Cab App

▸ If there are GMO fields within 120 feet you will receive a warning notification.
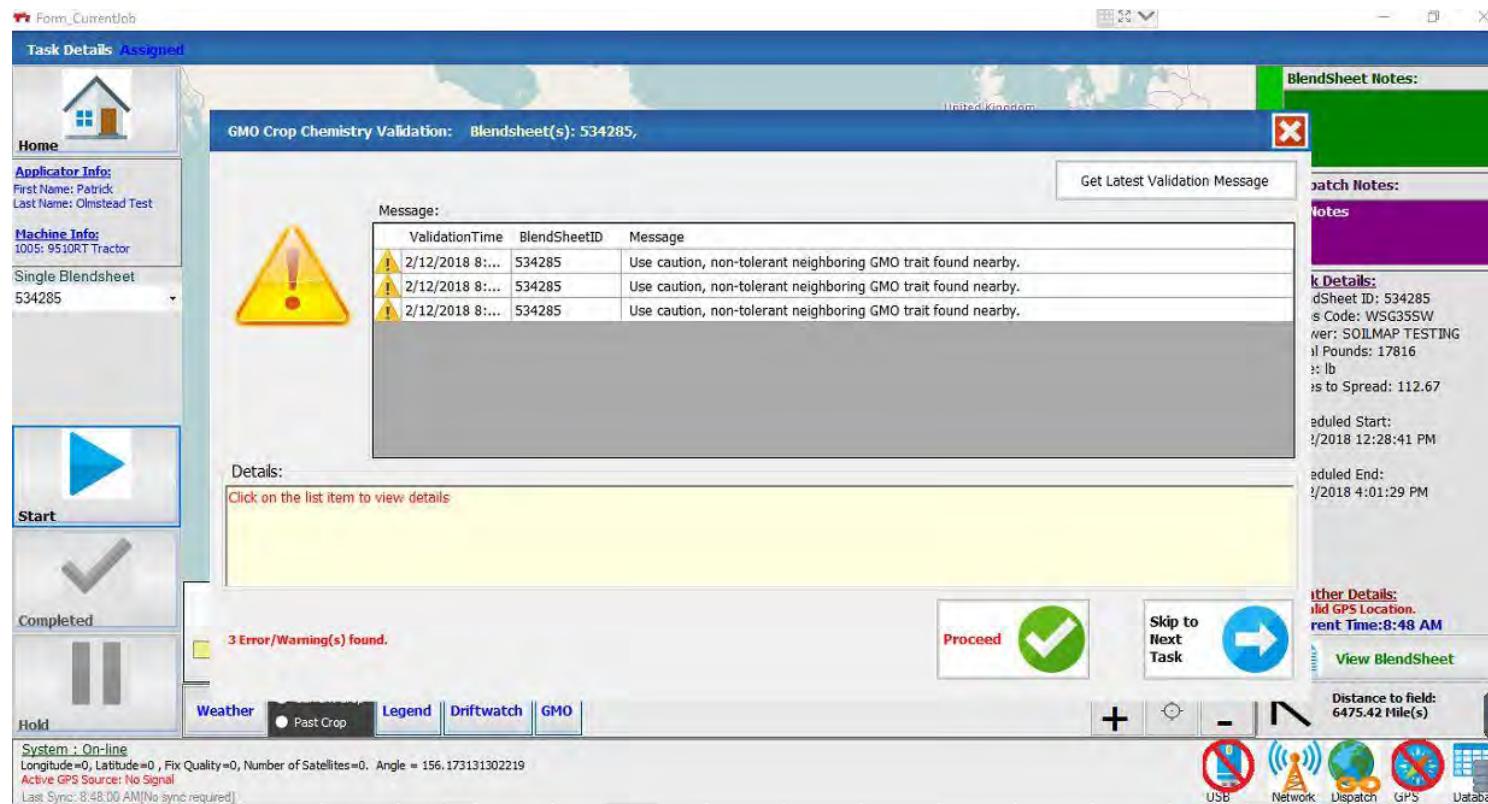
Dispatch In-Cab App

▸ The blendsheet products list will now appear after starting a job. This same screen will appear when you when you mark the field complete.
(Note – if the information came from Kahler web service it will use the Kahler totals to prepopulate)

Dispatch In-Cab App

- Mark jobs Completed, and enter required info
- Weather data available. Temp and Windspeed are editable.
- Sign

Job Queue (List)

- Yellow category = shows the number of jobs set for another day.

Dispatch In-Cab App

▸ Here you will see your job list and now as you can see jobs scheduled for the following day(s) are highlighted in yellow.

Dispatch In-Cab App

▸ Now you can view the field map to see the original blendsheet map.
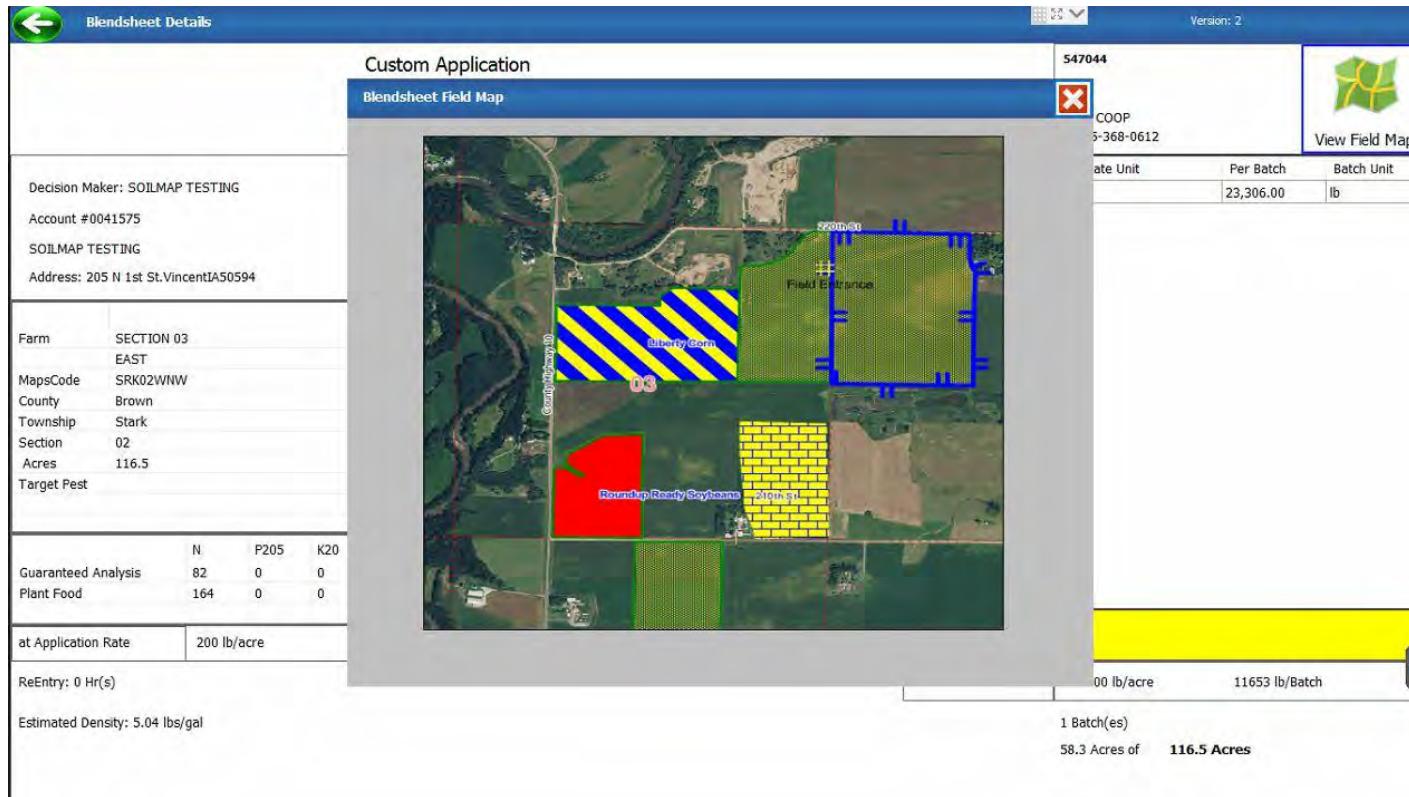
Need to view reported quantities?

- There are multiple spots to view this information
  I. Dispatch webpage In-Cab application Report
  II. SOILMAP billing dashboard
  III. SOILMAP Blendsheets tree

SOILMAP DISPATCH

Dispatch In-Cab application report viewing

▸ Here is what the information would look like from the Dispatch website. Notice you get the electronic signature now.

Start Date	Load Blendsheets	Select Application Data to Print
11/30/2017		544554-Abdus Test Sakur ▾
End Date	Print	
2/1/2018		

NEW Cooperative   In-Cab Application Report   544554-Abdus Test Sakur
Grower: FRANSEN, JOHN

Machine	Temperature	Applicator License
1000	45	abc123
Power Unit	Wind Direction	Nozzle Type
1000: Agco-TerraGator 8303	NE	No data entered
Applicator Unit	Wind Speed	Nozzle Size
1000: New Leader-NL2020 TEST Dry Or Lime	4	No data entered
Operator	Humidity	Nozzle Pressure
Abdus Test Sakur	No data entered	No data entered
Actual Start Date/Time	Target Pest	Nozzle Spacing
1/17/2018 4:14:49 PM	No data entered	No data entered
Actual End Date/Time	Acres Applied	Speed
1/17/2018 4:40:42 PM	305	No data entered

Signature

Blendsheet PDF

SOILMAP DISPATCH

Kahler Web Service enhancements

- 1. When blendsheet is deleted in SOILMAP
  - order is also removed from Kahler interface.

- 2. When blendsheet is being processed in Kahler
  - a lock is placed on blendsheet in SOILMAP.
 - No edits or deletions allowed.

- 3. When processing is complete in Kahler
  - lock on blendsheet in SOILMAP is removed.
  - Dispatcher and Applicator edits will then be recorded if applicable.

- 4. If the blender is changed on a blendsheet
  - delete it from the original Kahler location first, then send it to the new one.

SOILMAP

Kahler

▸ If you are connected via the web-service to kahler you can view the status of it or delete it.
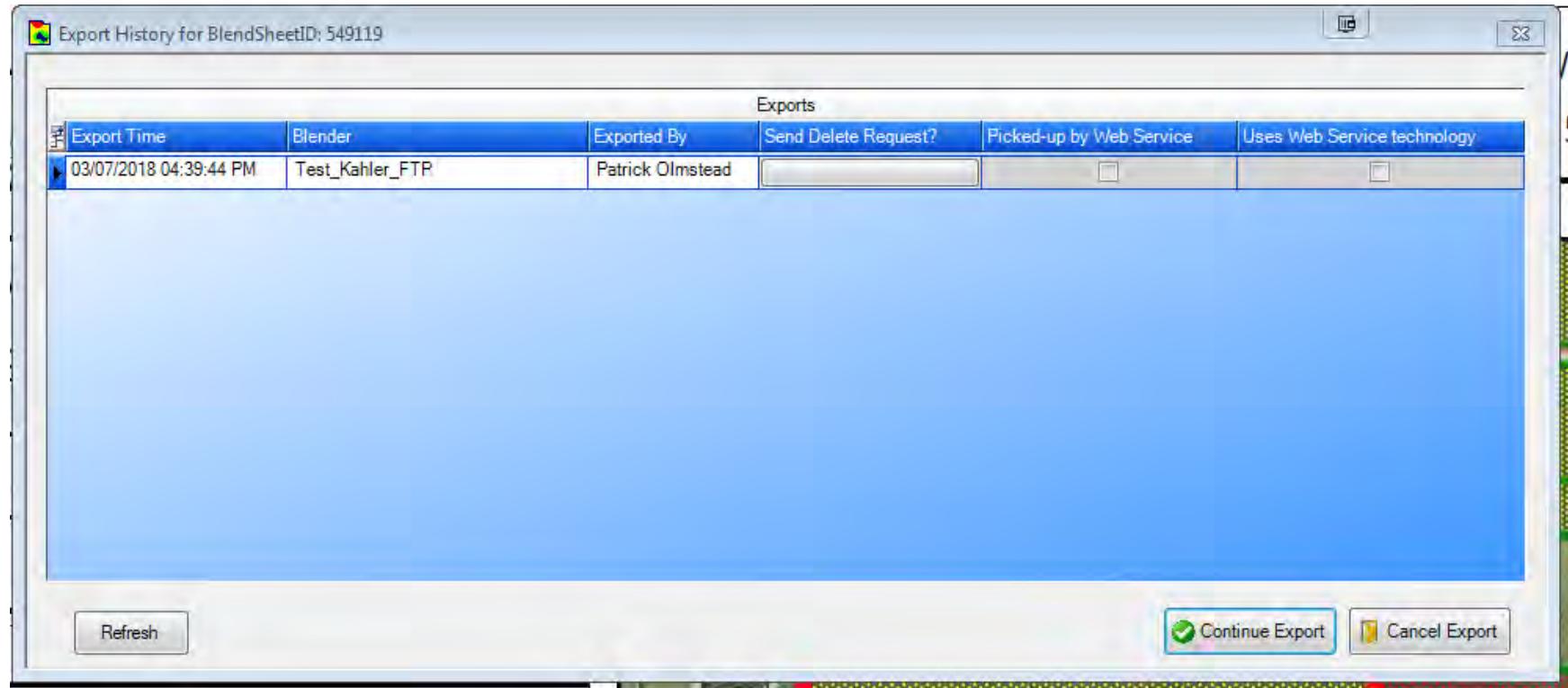
Support

- ▸ Please contact help@soilmap.com for questions and support or call 515-955-9004.