SKY Mapping Premium - Educational Pathway

Scroll through or select from the TOC to jump to specific areas.

SKY Mapping Videos
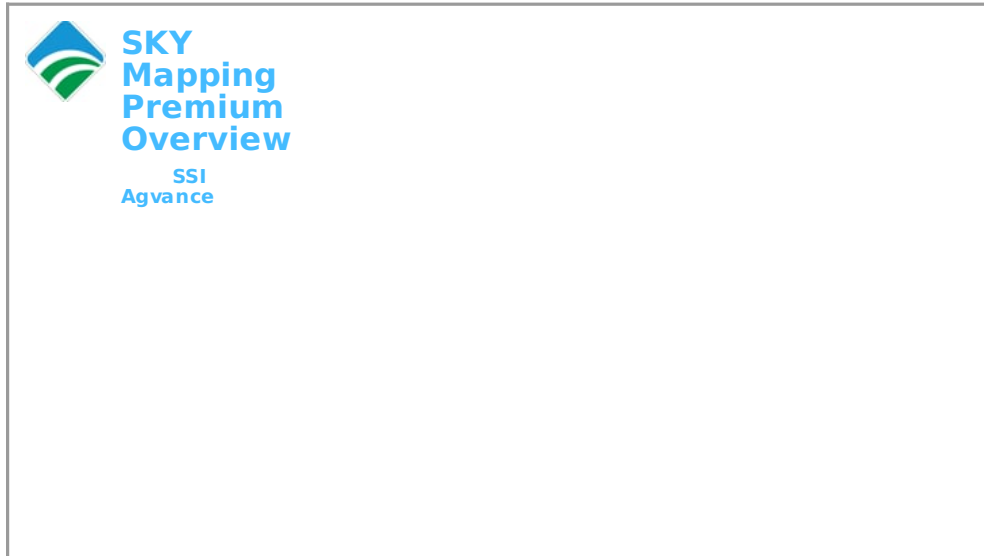
Mapping Menu

The *Mapping* menu allows the options to navigate, search, and take measurements in the mapping area.

Map Extent

Select **Extent** to navigate the *Mapping* window.

- **Previous** – This moves to the map boundary last viewed. If the map was not previously zoomed to a different Field boundary, this will navigate to the area of the map last viewed.
- **Next** – This moves to the next Field boundary.
- **Full** – This displays the full extent of the map. All Fields added to the Customer list will be shown.

Measure Tool

Select **Measure** to measure any distance in the *Mapping* area.

- **Area** – Measure by *acre*, *square feet*, or *square yard*.

- **Line** – Measure by *feet*, *inch*, or *yard*.
- **Lat/Lon** – Change the *Coordinate Format* to *DD* or *DMS*.

Search

Select **Search** to zoom to any location on the map.

- **City/Zip** – Enter any city or zip code and choose the **Search** icon.
- **Lat/Lon** – Enter a specific *Latitude* and *Longitude*.
- **PLSS** – Enter a *State*, *Township*, *Range*, and *Section* to zoom to that location.
- **Non-Field** – Select in this field to search based on Non-Field features. Choose from the drop-down that displays.
- **Event ID** – Select in this field to search based on Event IDs. Choose from the drop-down menu.

Action Menu

Add data to Mapping Premium using the *Action* and *Mapping* menus. The *Action* menu allows the option to navigate and create data elements for each Field.

Fields

1. Select **Fields** to access all Fields available to view.
2. Choose the customer name to expand the list of Fields for that customer.
3. Select a Field name to choose the Field which is indicated by a darker gray color and a green bar to the left of the name.
4. Select either a Field or multiple Fields at a time. A number displays next to the customer name indicating the number of Fields currently selected.

Action

Each level in the list has a **Vertical Ellipsis** icon to open the *View* and *Edit* menu options available.

Recs

After selecting a customer and Field(s), choose **Recs** to calculate recommendations for *Application* and/or *Planting*.

Note: Designate Application Zones and, when opening a Blend Ticket in Dispatch or Apply, the Application Zones are automatically included on the Work Order and available to dispatchers, sales staff, and applicators. When specifying a partial area of a field to be treated, applicators can confirm the correct acres and area of the field.

Events

1. Select **Events** to create data events.

2. Choose an input option: *Application, Harvest, Irrigation, Planting, Sampling - Soil, Sampling - Tissue, Scouting,* or *Tillage.*

   Note: Scouts can select multiple conditions, enter observations, and collect data by point, tracking, freehand zones, or whole field. Pressure ratings can be recorded and photos captured for each observation. Print or email completed reports directly to the grower.

Layers

1. Choose **Layers** to display each *Event* or *Recommendation* layer created for the selected Field.

2. Select the layer in the list to view any layer in the *Mapping* screen.

Import Boundaries and Data

1. Select **Import** to import boundaries, monitor data, or soil-sampling data to a Field(s). Choose **Upload Files**.

2. Select the *Data Type* and *Format Type* from the drop-down menus.

3. Browse to select a file or drag and drop the file in the designated area and select **Upload**.

Hide/Show

Select the **Hide/Show** icon to hide the menu to view the *Mapping* window in an extended view.

Creating Import Templates

Add data to Mapping Premium by creating import templates.

1. Select **Template Manager** from the *Setup* menu.

2. Choose the **+** icon to add a new template.

3. Select a *File Type* from the drop-down menu.

4. Choose **Select File**, navigate to the file location, and select **Open**.

5. Enter a *Template Name*.

6. The table displays all rows associated with the file. Use the drop-down arrows to match the *Grower, Farm*, and *Field* values.

7. Choose **Save**. An error message displays if required fields are not completed.

Adding New Fields

When adding a new field to SKY Mapping, the field and farm may be added in the Agvance Hub first and selected from a populated drop-down list or added from SKY Mapping as the field is being drawn.

1. Navigate to the desired customer and select the **Vertical Ellipsis** icon to the right of the customer name.
2. Select **Add New Field**.
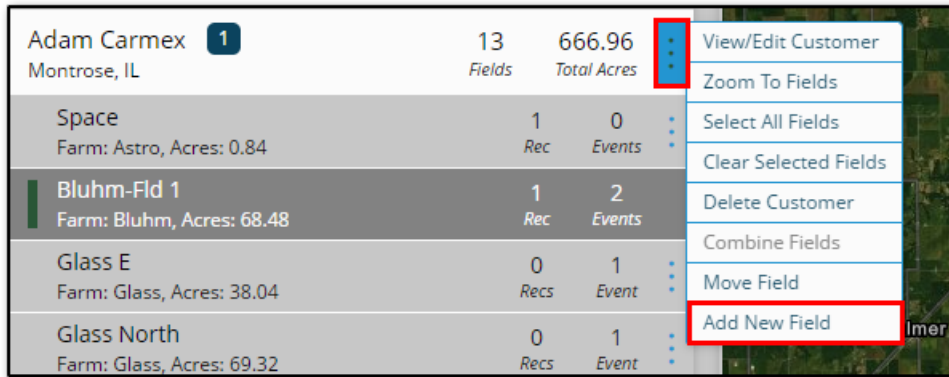
   - If the Field/Farm names have been previously set up in the Agvance Hub:
     - On the *General Information* tab, choose *Farm Name* from the drop-down menu.
     - The *Field Name* drop-down menu populates, allowing the Field to be chosen from the list.
   - If the Field/Farm names have not been previously set up in the Agvance Hub:
     - Create a new Field in Agvance SKY by manually entering the Field/Farm name. A new Field will automatically be created and will also display in the Agvance Hub.
     - Fill in any additional information to be stored for the new Field. The information entered here is for reference only.
3. Select **Import** to import a shapefile of the boundary or choose the **Draw** icon to view available drawing tools and to create a Field boundary.
   - Select either the *Polygon* or *Circle* tool to draw a Field boundary.
   - The Field displays the total number of acres within the new boundary.
4. Choose **Save**. An error message displays if required fields are not completed.

Importing Field Boundaries

1. Select **Import** and choose **Upload Files**.
2. Choose *Field Boundary* as the *Data Type* and the appropriate template as the *Format Type* from the drop-down menus.

- When selecting the *Data Type*, a *Supported File Types* bar displays illustrating file types that may be imported for the chosen type of data.

3. Browse to select a file(s) or drag and drop the file(s) in the designated area and choose **Upload**.

   Note: When importing files, all three file types included with a shape file – *.DBF*, *.SHX*, and *.SHP* – must be selected. Alternatively, a zip file containing several shape files may also be selected.

4. Once the boundary file(s) are loaded and ready for import, highlight a file and select the **Ellipsis** icon in the *Field Boundaries* area. Choose **Import Single File** or highlight multiple files, select the **Ellipsis** icon, and choose **Import Selected** to batch import boundary files.

5. Optionally select the **Ellipsis** icon for each Field and enter the information in the *Edit Field Boundary* window. This is only required if a Grower or Field is not present in the file or if changes need made.

   Note: File names displaying in black text indicate no overlapping issues. File names displaying in yellow text indicate a Field with an overlapping boundary which will need corrected. File names displaying in red indicate an issue with a value that needs addressed prior to proceeding.

6. Choose **Save**. An error message displays if required fields are not completed.

7. Select **Add Field**. The Field will be linked to the Agvance Hub as indicated by the checkmark in the *Mapping* column of the *Field Selection* window and is visible in the *Customer Field* list.

   Note: If using a template, the customer information autofills from Agvance and will not require adding the *Customer Name*, *Farm Name*, and *Field Name(s)*.

Adding New Customers

When adding a new customer to SKY Mapping, the customer must first reside in the Agvance Hub with an address. If the customer being added to SKY Mapping does not exist in the Agvance Hub, they must be added there so they can be chosen from the populated customer list in SKY Mapping.

1. Select **Add Customer** at the bottom of the Agvance SKY customer list.

2. Choose **Add Location**.
   - Select the location in Agvance which the customer to be added is located.
3. Select **Customer Name**.

- Choose the customer to be added from the drop-down list. This list populates from the customers in the Agvance Hub.
- The customer's address automatically populates.
4. Choose **Save**.
- The new customer populates in the Agvance SKY customer list.

Adding New Farms

1. To add a Farm to a customer's account, select the **Ellipsis** icon for that customer and choose **Add New Field**.
2. Choose the *Farm Name* drop-down menu.
3. If the customer does not have any Farms to choose in the list, type the Farm name in the space provided and select **Save**. The Field polygon and name are required. An error message displays if required fields are not completed. Once saved, the new Farm is added to the drop-down menu to use on future Fields.

Adding Field Imagery

Importing Imagery

1. In Premium Mapping, select **Import** from the *Action* menu, and choose **Upload Files**.
2. In the *Data Type* field, select **Imagery**.
3. In the *Format Type* field, choose **GeoTIFF (*.tiff, *.tif)**.
4. Drag and drop image files or import by selecting **Click Here To Browse To Files**.
5. After selecting the files, choose **Upload**.
6. i displays when processing is complete.
7. Select the uploaded file then choose the **Vertical Ellipsis** icon to the right of the file. Select **Import Single File**. The files are scanned and imported.
8. Select the image name in the *Imagery Detail* field to **Edit**. Choose to update the *Layer Name*, *Season*, and *Date*, then select **Save**.
9. The image matches to a Field boundary within Premium Mapping and displays on the screen. If a Field does not exist for the image, select **Fields** from the *Menu* bar to create one.
10. Select **Next** to review details of the importing image and choose **Next** again to continue.
11. Select **Create Layer**. Once created, *Complete* displays. Choose **Close**.

Working with Imagery

1. From the *Menu* bar, select a Field.
2. Within the Field, select **Layers** and choose the *Field Data* tab.
3. Choose the **Vertical Ellipsis** icon to **Edit Layer**, **Delete Layer**, or **Print Layer**.

SKY Application Report

The SKY Application Report helps reconcile purchased product to applied product by displaying the actual product applied with minimum and maximum rates, along with visual comparisons for yield or soil test data.

1. Navigate to *Reports / SKY Mapping* and select the option to run the Sky Application Report.
2. Individual Events under each Field can also be selected for this report. Selecting multiple Events for multiple customers will cause the report to display per grower.
3. Choose the appropriate season from the *Season* drop-down under *Options*. This runs all Application Events for the chosen Field(s) per season selected.
4. Optionally select the following report criteria:
    - **Crop** – Select to run the report for only the Crop selected on the chosen Field(s).
    - **Start / End Date** – Choose to include only Events within the selected date range.
    - **Custom Imagery** – Select if custom drone imagery has been imported for the chosen Field.
    - **Include Target Rate** – Select to include a second map report showing the targeted rate for application.
5. Select the *Display Type* drop-down and choose from the following:
    - **Coverage** – This displays results as a coverage type map.
    - **Polygon** – Results display by polygon.
    - **Point** – This displays results based on point data.
6. Select the desired Basemap imagery from the *Basemap* drop-down menu.
7. Once all desired report criteria is selected, choose **Create Report**.
8. The report displays in the *Reports Based on Field Selection* grid with a status of *In Progress*. When the report has been generated, choose the *View Report* status to open the report.
    Note: With the report open, choose from multiple report tools on the *Report* menu to **Download**, **Print**, or make additional markups or adjustments to the report.

SKY Crop Planning Report

The Sky Crop Planning report displays total crop acres per Grower, Farm, or Field when a Planting Rec is created to assist Growers in crop planning.

1. Navigate to *Reports / SKY Mapping* and select the *Sky Crop Planning Report*.
2. Multiple Fields can be selected as well as individual Recs. The report will display per *Grower*, *Farm*, or *Field*.
3. Choose the appropriate season from the *Season* drop-down under *Options*.
4. From the *Per Page Options* drop-down, choose to view the report by *Grower*, *Farm*, or *Field*. Each *Grower*, *Farm*, or *Field* selected for the report will display on a new page.
5. From the *Basemap* drop-down, select the desired Basemap imagery to display.
6. Optionally select the following report criteria
   - **Crop** – Choose to run the report for only the Crop selected on the chosen Field(s) or Rec(s).
   - **Start / End Date** – Select to run the report for the selected Fields or Recs within a desired date range.
   - **Custom Imagery** – Select if custom drone imagery has been imported for the chosen Field.
   - **Summary** – Select to print a summary page designating specific crops with totals.
7. Choose **Label Options** to select which labels to display on each Field included in the report.
8. Once all desired report criteria are selected, choose **Create Report**.
9. The report displays in the *Reports Based on Field Selection* grid with a *Status* of *In Progress*. Choose **View Report** to open the report.

SKY Recs Report

The Sky Recs Report provides Growers an overview of fertilizer or planting plans with rates, total product used, and associated application costs.

1. Navigate to *Reports / SKY Mapping* and select the *Sky Soil Type Map Report*.
2. Select the desired Field(s).

   Note: Multiple Fields can be selected and will display on a single report. To print one Field per page, select a single Field.
3. Choose the appropriate season from the *Season* drop-down under *Options*.
4. Select the desired Basemap imagery from the *Basemap* drop-down.
5. Optionally select the following report criteria:
   - **Start / End Date** – Choose to include only Recs within the selected date range.
   - **Custom Imagery** – Select if custom drone imagery has been imported for the chosen Field.
   - **Overview Map** – Select to add a boundary overview of the field to the report.
6. Once all desired report criteria are selected, choose **Create Report**.

   Note: If no Recs are available per the report criteria selected, a warning message displays and the report fails to

run.

7. The report displays in the *Reports Based on Field Selection* grid with a *Status* of *In Progress*. Choose **View Report** to open the report.

SKY Scouting Detail Report

The Sky Scouting Detail report displays a recap and details of Scouting Events per Field to help keep Growers informed of Field events throughout the season.

1. Navigate to *Reports / SKY Mapping* and select the *Sky Scouting Detail Report*.
2. Select the desired Field(s).

   Note: Individual Events under each Field can also be selected. Choosing multiple Events causes the report to display per Field.
3. Choose the appropriate season from the *Season* drop-down under *Options*. This runs all Recs for the chosen Field(s) per season selected.
4. Select the desired Basemap imagery from the *Basemap* dropdown.
5. Optionally select the following report criteria:
   - **Crop** – Select to run the report for only the Crop selected on the chosen Field(s).
   - **Start / End Date** – Choose to include only Recs within the selected date range.
   - **Custom Imagery** – Select if custom drone imagery has been imported for the chosen Field.
6. Once all desired report criteria are selected, choose **Create Report**.

   Note: If no Events are available per the report criteria selected, a warning message displays and the report fails to run.
7. The report displays in the *Reports Based on Field Selection* grid with a *Status* of *In Progress*. Choose **View Report** to open the report.

SKY Soil Test Report

The Sky Soil Test Report displays soil test results by point including a surface layer. The surface view can be updated in the Layers tab of SKY Mapping to reflect different legend values or color ramps.

1. Navigate to *Reports / SKY Mapping* and select the *Sky Soil Test Report*.
2. Select the desired Field(s).

   Note: Individual Events under each Field can also be selected. When multiple Events are selected, they will

display per Field.

3. Choose the appropriate season from the *Season* drop-down under *Options*.

4. Select the desired Basemap imagery from the *Basemap* drop-down.

5. Optionally select the following report criteria:

   - **Crop** – Select to run the report for only the Crop selected on the chosen Field(s).
   - **Start / End Date** – Choose to include only Recs within the selected date range.
   - **Custom Imagery** – Select if custom drone imagery has been imported for the chosen Field.
   - **Sample Sites** – Choose to display sample sites along with the surface.
   - **Overview Map** – Select to add a boundary overview of the Field(s) to the report.
   - **Page Selection** – Choose specific nutrients to display per page.

6. Once all desired report criteria are selected, choose **Create Report**.

   Note: If no Events are available per the report criteria selected, a warning message displays, and the report fails to run.

7. The report displays in the *Reports Based on Field Selection* grid with a *Status* of *In Progress*. Choose **View Report** to open the report.

SKY Soil Type Map Report

The Sky Soil Type Map report displays the soil type map for the selected Field.

1. Navigate to *Reports / SKY Mapping* and select the *Sky Soil Type Map Report*.

2. Select the desired Field(s).

   Note: Multiple Fields can be selected and will display on a single report. To print one Field per page, select a single Field.

3. Choose the appropriate season from the *Season* drop-down under *Options*.

4. Select the desired Basemap imagery from the *Basemap* drop-down.

5. Optionally select the following report criteria:

   - **Start / End Date** – Choose to include only Recs within the selected date range.
   - **Custom Imagery** – Select if custom drone imagery has been imported for the chosen Field.
   - **Overview Map** – Select to add a boundary overview of the field to the report.

6. Once all desired report criteria are selected, choose **Create Report**.

   Note: If no Recs are available per the report criteria selected, a warning message displays and the report fails to run.

7. The report displays in the *Reports Based on Field Selection* grid with a *Status* of *In Progress*. Choose **View Report** to open the report.

SKY Yield Map Report

The Sky Yield Map report displays the harvested yield monitor data and field stats to create a visualization of data collected throughout the harvesting season.

1. Navigate to *Reports / SKY Mapping* and select the *Sky Yield Map Report*.
2. Select the desired Field(s).

   Note: Multiple Fields and Events can be selected. If selecting multiple Events, the Events will display per Field on the report.
3. Choose the appropriate season from the *Season* drop-down under *Options*.
4. Select the desired Basemap imagery from the *Basemap* drop-down.
5. Optionally select the following report criteria:
   - **Crop** – Select to run the report for only the Crop selected on the chosen Field(s).
   - **Start / End Date** – Choose to include only Recs within the selected date range.
   - **Custom Imagery** – Select if custom drone imagery has been imported for the chosen Field.
   - **Overview Map** – Select to add a boundary overview of the field to the report.
6. Once all desired report criteria are selected, choose **Create Report**.

   Note: If no Recs are available per the report criteria selected, a warning message displays and the report fails to run.
7. The report displays in the *Reports Based on Field Selection* grid with a *Status* of *In Progress*. Choose **View Report** to open the report.
8. The report prints in *Polygon* format with statistics based on filters set up on the selected Event(s).