Mapping June 2024

Version 4.12

Web

- **HW-11101 / Action Panel Field Detail Export** – A new User Role was added to the Export section called *Field Details*. When a Field is selected, a new context menu was added called Export Field Details. When selected, a CSV file is generated containing pertinent Field information based on Fields selected ordered by Customer, Farm, and Field.

- **HW-11105 / Soil Type Map/SKY Soil Type Map** – The Soil Type Map report works as expected.

- **HW-11135 / Import Sampling** – Uploading Sampling data works as expected.

- **HW-11146 / SKY Grower Summary Report** – If the *Save Blend* option is selected (regardless of the name) and then **Save**, only the Blend Name is displayed on the report. The blend is not broken out by Product. If the *Save Blend* option is NOT chosen before selecting **Save**, the Blend Name is not displayed on the report and the blend is broken out by Product. In the case where Service Products are added, all Service Products are broken out and displayed on the report.

- **HW-11230 / Import Planting** – The Planting Import supports adding a Product Mix to Varieties below the first one on the Import and adding the same Variety to different Monitor Varieties results in an aggregate Planting and Application Event. Additionally, the Planting Import supports adding a Product Mix on the first Variety whereas other Monitor Varieties are not assigned the Product Mix inadvertently. The Planting Import creates an Application Event surface with the correct Product Mix for each Monitor Variety even when different Monitor Varieties have the same selected AgBytes Variety.

- **HW-11246 / Batch Edit Details** – The Batch Edit Details feature displays the *Field Classification* drop-down for Agvance-connected Owners that have Field Classification values as expected.

- **HW-11271 / Export Controller** – Creating a controller file with a Fertilizer Product, different Yield Goals, and a Product change on a multi-part boundary includes the entire Rec as expected.

- **HW-11306 / Auto Import** – Improvements were made to Auto Imports to achieve better Crop and Product matching. The necessary database schema changes for Product Name Alias support were added. Additionally, the add/edit *Product Name Alias* mini grid was added to the add/edit *AgBytes Products* page. Support for Crop Alias names for the Auto Import for Harvest and Planting Events was implemented as well as support for Product Alias names for the Auto Import for Application Events. Case sensitivity and matching logic was implemented to Product name matching (**ex.** AgBytes Variety name P1759 YHR would match the Monitor Variety name P1759YHR).

- **HW-11313 / Import Boundary Agvance Integration** – Within an Agvance-connected Owner, the boundary clip within the import wizard on shapefiles that have Field names greater than 30 characters works as

expected.

- **HW-11373 / Satellite Imagery** – The black border for True Color imagery was removed. Additionally, *Create Event/Rec*, *Mobile*, and *NDVI* in *Layers* all have the same class breaks. The Cloud zone transition where an orange-yellow-green transition of colors before the white cloud zone was removed.
- **HW-11383 / Import Events** – Merging imported Events correctly adds Equipment to the Event when the merge has different Equipment than the original Event.
- **HW-11396 / Setup Nutrient Targets** – The Nutrient Target import for Soil and Tissue does not require a Water Purpose.

Mobile

- **HW-10105 / Sampling** – For all Event types that result in an error, the error status is added to the *Event* strip.
- **HW-11232 / Schema Changes** – New schema changes from HW-11146 under *Web* above regarding Application Recs and Events for Product Blends are supported in mobile.
- **HW-11310 / Layers Satellite Imagery Support** – Support for the new *Satellite Imagery* option was implemented. Additionally, the ability to display all images in each Imagery Setup ordered by descending date was added. The Layers match the same format and text and have the same classification and look as web. Both *True Color* and *NDVI* imagery types can be displayed and the NDVI Legend matches what is shown in the web app. Also, creating Sampling Events for NDVI-based images is supported. The satellite imagery displays within the per Season sections with an **I** icon.
- **HW-11337 / Points Outside Boundary** – Support was added to the mobile app to give the ability to delete points outside of the boundary.

Version 4.11

Web

- **HW-9991 / Loadsheet Planting Equation Rec** – The Planting Equation Rec displays the Grid Surface within the Loadsheet report and the Legend classes for each polygon work as expected.
- **HW-10523 / Auto Import Equipment Profile** – A new child User Role was added to the *Auto Import Data* area under *Preferences* called *Require Equipment*. This option is checked by default. When unchecked, the Equipment profile is automatically created on import for data with an unmatched Monitor ID and matching boundaries using the following rules:
  - The Equipment name defaults to the Monitor ID value.
  - Harvest data retains the current defaults to Harvesting for Equipment Parent Type and Combine for Equipment Type.
  - For Planting data, the Equipment Parent Type defaults to Planting and to Planter for Equipment Type.
  - For Application data, the Equipment Parent Type defaults to Applicator and the Equipment Type uses

Spreader if the data is in dry units and Sprayer if in liquid units.

- For the Owner/Operator, select the Customer who has the most points via their matching boundaries.

- **HW-10642 / Equation Rec Convert to Event** – The *Convert to Event* option handles all special characters within Blend names as expected.

- **HW-10935 / Imagery** – A new Analysis Layer type, *Imagery - Sentinel 2*, was added to the Batch Zapper and controls access to the new AWS satellite option. Additionally, two new User Roles have access to the setup of Imagery called *Imagery Setup* under the *Add/Edit Fields* section and under the *Batch* parent menus. The following rules apply:

    - When the *Add/Edit Fields* option is active and Batch Zapper access to at least one Imagery option has been given, a menu option is added to the *Field* context menu below the *View/Edit Field* option.

    - When the Batch Imagery Setup User Role is active and Batch Zapper access to at least one Imagery option has been given and multiple Fields are selected, there is a new *Batch Imagery Setup* menu option.

    - If a given User Role does not have *Imagery Setup* active but has *Analysis* active under *Layers* section, the ability is given to view Imagery but not *Edit* or *Delete.*

    - When using the *Imagery Setup* option, an *Imagery Setup* panel opens with full access to the Zone Tools. This includes Zone Tools for supporting excluded parts of a Field where imagery is not wanted.

    - There is an optional Imagery Setup name given for collective imagery for the year/season. The Season defaults to the current calendar year.

    - There is an *Imagery Options* section with the available imagery type options to determine what imagery products to include for that season.

    - The imagery layers display in descending order and provide a date and classified legend of five classes in red-yellow-green color ramp.

    - Each imagery Layer can be deleted or printed.

    - The parent *Imagery Setup* menu has an option to *Edit Imagery Setup* and make changes with the same options as the Add function.

    - There is a *Delete Imagery Setup* option which removes all imagery for the entire season.

- **HW-11124 / Planting Equation Rec** – The SKY Recs Report - Planting works as expected.

- **HW-11271 / Export Controller** – Creating a controller file with a Fertilizer Product, different Yield Goals, and a Product change on a multi-part boundary includes the entire Rec as expected. Additionally, creating a Manure Product and different Yield Goals on a multi-part boundary includes the entire rec as expected.

- **HW-11347 / Auto Import - Data Exchange** – The Data Exchange process or uploading of several zip files together for the same Field, Crop, and Season becomes a single Event for Harvest and Planting and for Application if they have the same date as expected.

Mobile

- **HW-9473 / Lab Submission Form** – The Lab Submission Form report only requires the Test Package if a

Testing Lab is selected. Additionally, the *Required* asterisk was removed from the *Test Package* drop-down.

- **HW-10579 / SKY Field Reference List Report** – The SKY Field Reference List report was added to the mobile app and includes report options of *Season*, *Farm Totals*, *Default to On*, *Grower Totals*, *Default to On*, *Lat/Long QR Code*, and *Default to Off*.
- **HW-10985 / Sampling Multi-Part Boundary** – The area of each Boundary part displays for web-created Sampling Events as expected.
- **HW-10990 / Notifications Sampling Results** – The mobile app prompts to download the Customer if a **Sample Results** link is selected that does not have the Customer downloaded for the Event. Upon choosing **Yes**, the app navigates the *Customer Downloaded* page. If choosing **No**, the Customer is not downloaded.
- **HW-11310 / Layers Satellite Imagery** – The same parent/child setup in the web was implemented to display all images under a given *Imagery Setup* ordered by descending date. The Layers match the same format and text as those shown in the web app. The Layers also have the same Classification as those in the web app. True Color and NDVI imagery types are supported. Additionally, the Legend matches that shown in the web app and only NDVI will have a legend. Creating a Sampling Event for the NDVI-based images is supported, not the True images. The satellite imagery displays within the *Per Season* sections with an *i* icon.
- **HW-11312 / Variety Drop-Down** – The mobile app displays active Varieties including those associated with Crop Classes as expected.