

Watershed Applications Export

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This is a simple export. However, some setup is required:

1. Establish the following Customer Classifications:
 - **Wholesale Customers** – Customers who resell product to an end user should be added to a *Wholesale Customer Classification*. This group is excluded from reporting.
 - **Nitrogen Stabilizers** – Any nitrogen stabilizer Products should be added to the *Nitrogen Stabilizer Product Classification*. If Products exist in multiple Locations, each nitrogen stabilizer Product in each Location must have this Classification.
2. Establish the following Product Classification:
 - **Custom Application** – Associate any application service item (spraying, spreading, etc.) to the *Custom Application Product Classification*. Again, include application service items from all Locations.
3. To help associate Fields to their corresponding watershed, Fields must first be geo-coded with the *Latitude* and *Longitude* at the *Field Profile* screen. A utility found at *Hub / Setup / Geocode Agvance Data* provides the quickest, most accurate way to assign a latitude and longitude to a group of Fields. The USGS defines watershed boundaries in terms of six nested levels of hydrologic unit codes (HUC). The Geocode Agvance Data utility can automatically assign fields to the appropriate HUC-12 code if the Field has a valid latitude and longitude. At the Geocode Utility, select *Fields* as the *Type* and choose **Get Records** to bring the Fields into the grid. Select **HUC 12** to automatically fill the *HUC 12* column. Choose **Save Lat/Lons** to save the new HUC codes on the field.
4. The USGS defines watershed boundaries in terms of six nested levels of hydrologic unit codes (HUC). HUC-2 is the largest region. For example, the Pacific Northwest region 17 covers 273,647 square miles. HUC-12 is the smallest level, called a subwatershed, generally covering 10,000 to 40,000 square acres. An example of a subwatershed is the South Fork Imnaha River Subwatershed, which is located within the Pacific Northwest region and is coded 170601020101 with every two digits signifying a smaller portion of the region defined by the preceding digits.
5. The Geocode Agvance Data utility can automatically assign Fields to their appropriate HUC-12 code with the only requirement being the Field having a valid lat/long. Select *Fields* as the *Type*, then choose **Get Records** to fill the grid with all Fields. Select the **HUC 12** button to automatically fill the *HUC 12* column. Choose **Save Lat/Lons** to save the new HUC codes back to the *Field Profile* screen.

Geocode Utility

Load the grid below with the type of data to be geocoded. Click on 'Calculate All Lat/Lons' to automatically geocode all data elements that are not coded. In order to change the coding of a data element simply click on that element and then locate the new location on the map that is presented. The 'Geo' column indicates the accuracy with which the utility was able to match the available address. A value of 'A' indicates the best success and a value of 'C' indicates the worst. A value of 'M' indicates a manual setting of the Lat/Lon.

	CustID	First Name	Last Name	Latitude	Longitude	HUC 12	Zip
1	12345	Larry	Baker	39.580609	-88.625644		
2	WheGa	Gary	Wheeler	39.552079	-88.843643		
3	WheGa	Gary	Wheeler	39.527452	-88.833994		
4	WheGa	Gary	Wheeler	39.523492	-88.843339		
5	2JohTo	Tom	Johnson	39.522614	-88.853051		
6	12345	Larry	Baker	39.492524	-88.657549		
7	ZuzSa	Samuel	Zuzzle	39.466618	-88.75299		
8	999999	Tommy	Tester	39.43335	-88.837437		
9	999999	Tommy	Tester	39.429656	-88.827592		
10	2JohTo	Tom	Johnson	39.427539	-88.864736		
11	999999	Tommy	Tester	39.422807	-88.833146		
12	999999	Tommy	Tester	39.418241	-88.839264		625
13	AndBa	Barry	Anderson	39.405548	-88.964715		
14	999999	Tommy	Tester	39.394404	-88.787128		625
15	ZuzSa	Samuel	Zuzzle	39.392205	-88.723738		
16	999999	Tommy	Tester	39.391715	-88.79016		625
17	999999	Tommy	Tester	39.390582	-88.833064		625
18	999999	Tommy	Tester	39.390513	-88.806259		626
19	999999	Tommy	Tester	39.389442	-88.750438		625
20	999999	Tommy	Tester	39.384909	-88.759446		
21	12345	Larry	Baker	39.384188	-88.735104		

Type Show just entries with no Lat/Lon
 Show just entries with Duplicate Lat/Lon
 Include "All" Fields Save Only Selected Rows
 Fields Location: All
 Customers Salesperson: All

Buttons: Calculate All Lat/Lons, Save Lat/Lons, Get Records, HUC 12, Cancel, Find

Pan or Zoom the map view until you see the location of the row selected in the grid. Right click your mouse at that location on the map and then click the "Save Lat/Lon Selected Row" button to update the grid row with that Lat/Lon.

Creating the Export File

The text file created by this export reports nitrogen and phosphorous Products in pounds of plant food and nitrogen stabilizer Products in pounds of Product. It includes the date of application, the HUC-12 code if available, the county and state associated with the Field, and the acres and crop recorded with the transaction. A Y or N indicates if the product was custom applied.

At *Accounting / Transfers / Export / Watershed Applications*, complete the screen with a convenient network path to store the export file, the range of Invoices to scan, and select the applicable Classifications.

Hint: By selecting **Save Set**, the *Export Folder* and Classifications can be consistently selected with each export.

Export Watershed Applications

Export Folder: C:\Exports\

Invoice Date Range: Start 12/01/2023, End 12/31/2023

Selected Locations: All, Select

Product Classifications: Custom Application Fees: Custom App, Nitrogen Stabilizers: N Stabilizer

Wholesale Customer Classification: Wholesale

Buttons: Load Set, Save Set, View Validation Report, Export, Cancel

If an Invoice originated from Blend or Delivery Tickets, the export uses data from the tickets. Any additional N, P,

or Stabilizer Product added at the time of invoicing those tickets is also reported. Each reportable line item makes a record in the export file. The ticket number and a ticket type indicator is associated with each record (*B* for Blend, *D* for Delivery, *I* for Invoice).

A Validation Report is available which lists the Customer and Field associated with a Ticket/Invoice as well as a recap of ticket types, breakdown by HUC, and percentage breakdown of geo-referenced versus non-geo-referenced transactions. The transactions are listed in the same order they appear in the export file which is helpful when validating the data in the export file.

The resulting export file is named *Watershed_Agvance_XXXXXXXX_YYYYMMDD.txt* where *XXXXXXXX* is the *Retailer IC Code* entered on the *Company Setup* screen (found at *Hub / Setup / Company*). The date helps distinguish the file from previous files. A file created on the same day as another will overwrite any file made earlier in the day.

The resulting files are aggregated by a third party. For instructions on submitting the file, contact the state agency that oversees this process.

Illinois Retailers:

Email file to:

PAQ Interactive, Inc.
ATTN: Quentin Rund
qrund@paqinteractive.com

Transaction Guidelines

To optimize the success of the nitrogen and phosphorous application monitoring, the following are the recommended best practice guidelines:

- **Use Geo-Referenced Field on Tickets** – Develop a procedure to ensure as many tickets as possible have a geo-referenced field. If this information is not known when the product goes out initially, collect the information after application. Using the *Combine/Split Delivery Ticket* feature, replace the original ticket with ticket(s) that specify the Field. This export, and perhaps more importantly the Field History report, will have more value.
- **List Crops on Transactions** – Develop a company-wide policy to ensure crops are reported consistently on transactions. It is suggested to note the crop to which the fertilizer is contributing. For example, for fall application after crop removal, name the crop that will likely be planted on that field the following year.