



Before you begin, go to [Dropbox.com](https://Dropbox.com) and set up a free account. It's best to create a new account instead of using an existing personal account.

Follow steps 1-4 as outlined on the BarTender Settings page of the System Setup Menu.

In step 3, make sure to enter the **EXACT** folder location of Dropbox. Entering this information incorrectly is one of the most common mistakes made in this setup process.

If you right click on the Dropbox folder in a file explorer window and click on properties, you will see the exact location. Copy this location then right click in the Dropbox folder location field in step 3 and select "paste as plain text"

eGrow Connect integrates with [Seagull Scientific BarTender](#) using the data file integration method. BarTender Enterprise Automation 2016 or Later is required.

**Step 1** [+](#) **Connect to Dropbox**

Dropbox is used as an intermediary to pass data required to print labels to BarTender Integration Service. Please [click here](#) to access Dropbox and allow eGrow Connect to access Dropbox. Choose the information as stated below:

1. Click on "Allow"
2. Copy the code and paste into the "Authorization Code" field

App Name:

Authorization Code:

**Step 2** [+](#) **Test Connection**

Click on test connect to see if eGrow Connect can connect successfully.

**Step 3** [+](#) **Install Dropbox**

If not already installed, download [Dropbox](#) and install it on the computer where BarTender is installed and sign in with the account used to create app above.

Click on Dropbox icon in the system tray or menu bar. Click on "gear" icon to open Dropbox preferences. Click on **Selective Sync** button and make sure Apps/egrowConnect folder is checked. Make a note of the Dropbox folder location and enter it below.

Dropbox folder location:

**Step 4** [+](#) **Create database field template and folders**

Click on "Create" button below, this will create the following in dropbox folder location/Apps/egrowConnect folder

1. **templates** folder - this folder contains the data field template text (field-template.txt) file that will be used when designing labels.
2. **images** folder - images placed in BarTender label designs must be used from this folder.
3. **labels** folder - labels designed in BarTender to be used from eGrow Connect must be stored in this folder.
4. **scan** folder - BarTender integration service will monitor this folder for data sent from eGrow Connect to print labels. [Click here](#) to download field data available when printing from different areas in eGrow Connect.

**Step 5** [+](#) **Create & Deploy BarTender Integration**

[Click here](#) to see help documentation on how to setup and deploy BarTender data file integration.

**Step 6** [+](#) **Design Label/Tags in BarTender**

[Click here](#) to see help documentation on how to design a label and placing data fields using the data field template (field-template.txt).

**Step 7** [+](#) **Setup Printers and Label/Tag List**

Click on links in the left pane under BarTender Settings to enter list of printers and list of label/tag filenames designed in BarTender.

The following guide will cover steps 5,6, and 7.

The screenshot shows the eGrow Connect software interface. The top navigation bar includes icons for eGrow Connect, Dashboard, Production, Purchasing, Inventory, Sales, Shipping, Reports, and Help. The left sidebar is titled "System Setup" and contains a tree view of settings categories: Other Info, Inventory Tracking, Sales, Production, Purchasing, and Integrations. The "BarTender Settings" page is active, showing a series of steps for integration. The main content area is titled "BarTender Settings" and contains the following text:

eGrow Connect integrates with [Seagull Scientific BarTender](#) using the data file integration method. BarTender Enterprise Automation 2016 or Later is required.

**Step 1** [Connect to Dropbox](#)

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1. Click on "Allow"
2. Copy the code and paste into the "Authorization Code" field

App Name:

Authorization Code:

[Get Token](#)

**Step 2** [Test Connection](#)

Click on test connect to see if eGrow Connect can connect successfully.

[Test Connection](#)

**Step 3** [Install Dropbox](#)

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Dropbox folder location:

**Step 4** [Create database field template and folders](#)

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[Create Folders & Templates](#)

**Step 5** [Create & Deploy BarTender Integration](#)

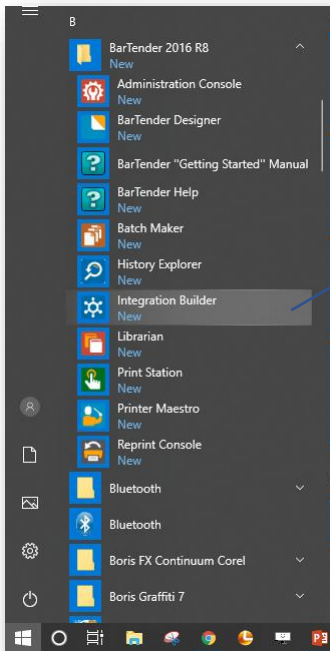
[Click here](#) to see help documentation on how to setup and deploy BarTender data file integration.

**Step 6** [Design Label/Tags in BarTender](#)

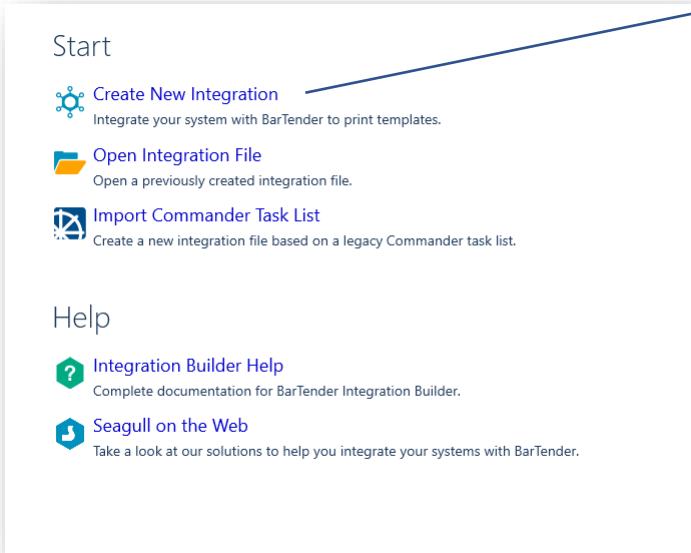
[Click here](#) to see help documentation on how to design a label and placing data fields using the data field template (field-template.txt).

**Step 7** [Setup Printers and Label/Tag List](#)

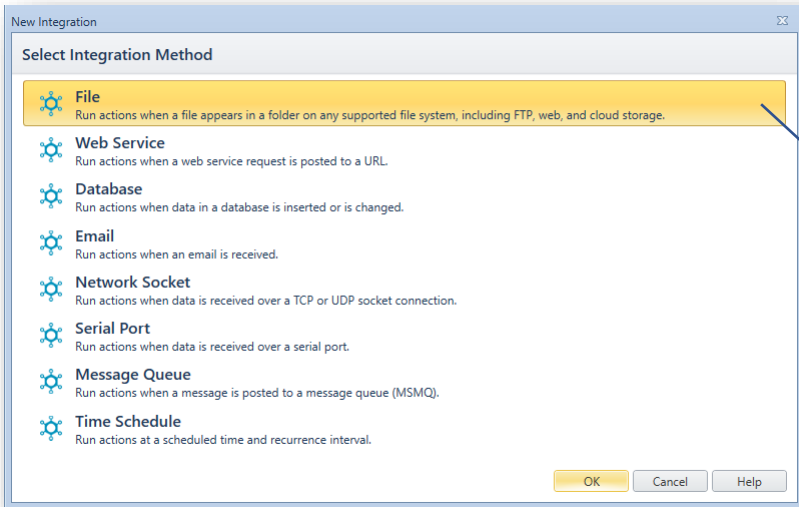
Click on links in the left pane under BarTender Settings to enter list of printers and list of label/tag filenames designed in BarTender.



Open the BarTender Integration Builder

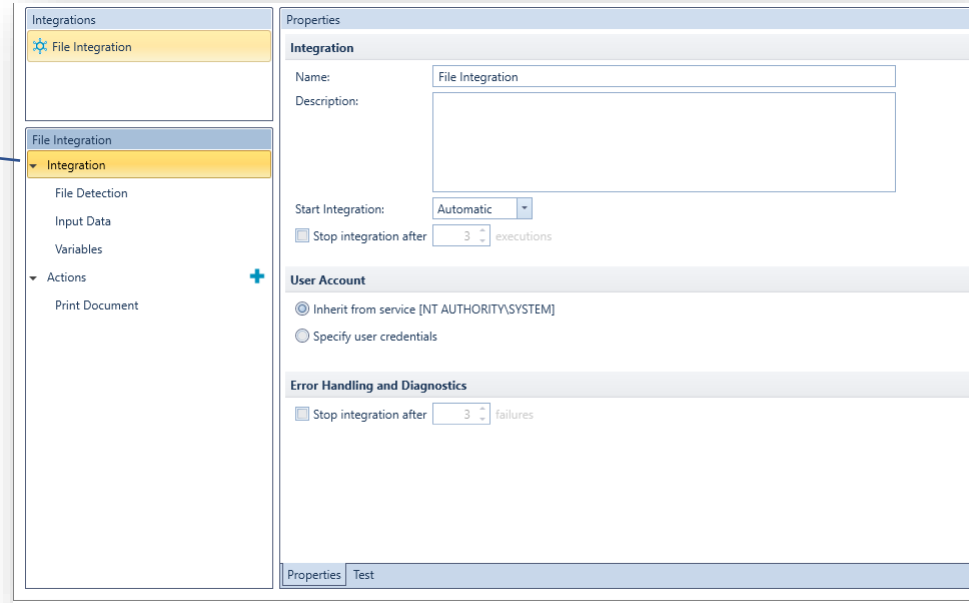


Click Create New Integration



Select file, then click OK

Under File Integration, click on "Integration"



Properties

**Integration**

Name: eGrow Connect Integration

Description:

Start Integration: Automatic

Stop integration after 3 executions

**User Account**

Inherit from service [NT AUTHORITY\SYSTEM]

Specify user credentials

**Error Handling and Diagnostics**

Stop integration after 3 failures

Properties Test

Name the integration "eGrow Connect Integration"

Click on File Detection

Integrations

eGrow Connect Integration

eGrow Connect Integration

- Integration
  - File Detection
  - Input Data
  - Variables
- Actions
  - Print Document

Properties

**Detection Options**

Location: Computer/Network

Folder to Scan:

Scan child folders

Folder is scanned by integrations on multiple servers

Scan Method: Polling Only

Polling Interval: 10 Seconds

File Pattern: \*.dat

Use Regular Expression

Minimum File Size: 0 Bytes

Maximum File Size: 0 Bytes

File Idle Time: 5 Seconds

Locked-File Timeout: 180 Seconds

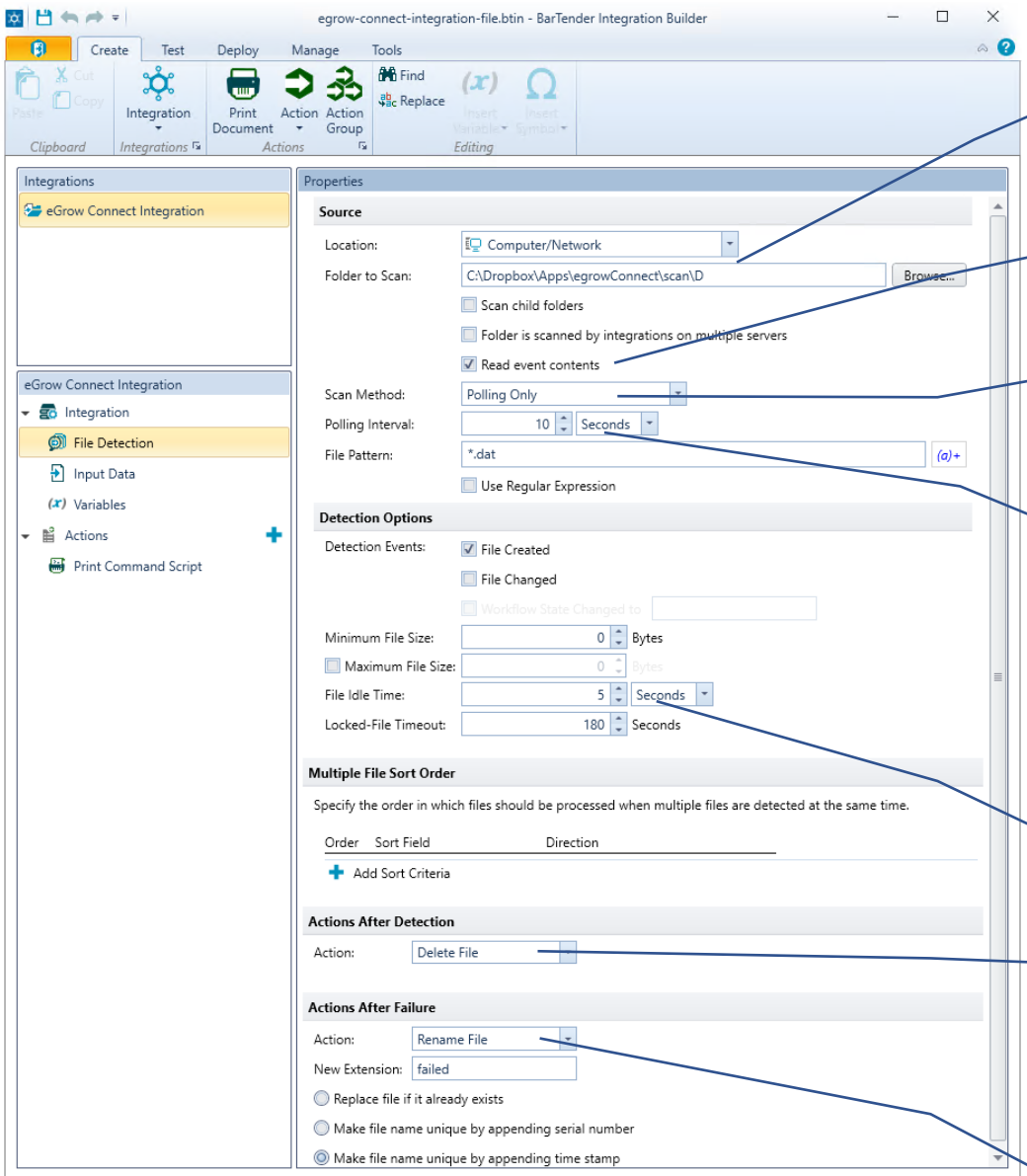
**Multiple File Sort Order**

Specify the order in which files should be processed when multiple files are detected at the same time.

Order	Sort Field	Direction
+ Add Sort Criteria		

**Actions After Detection**

Properties Test



Select “Computer/Network” as the Location. Under folder to scan, browse to: Dropbox\Apps\egrowConnect\Scan\A

Ensure that Read Event Contents box is checked/enabled

Under Scan Method, select “Polling Only”

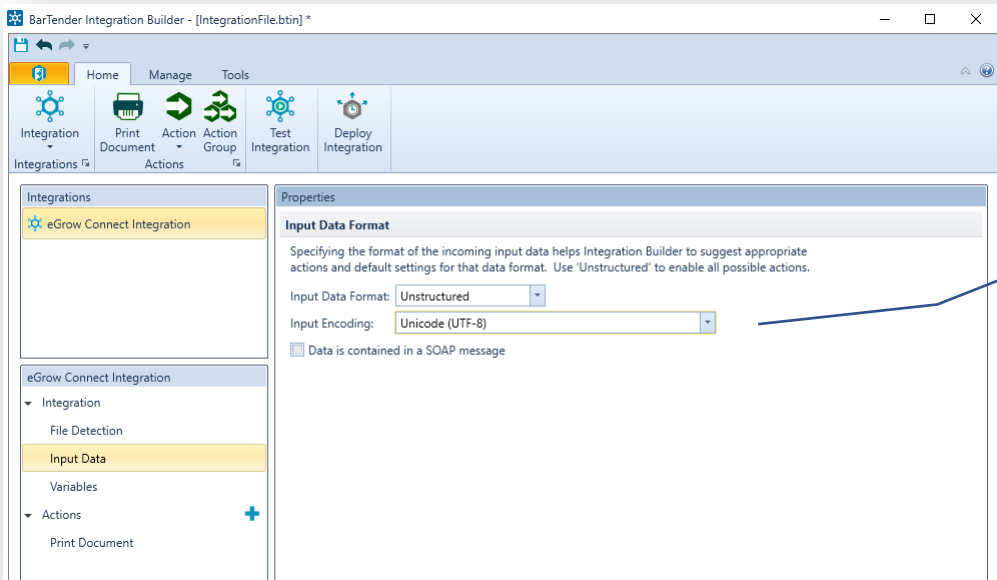
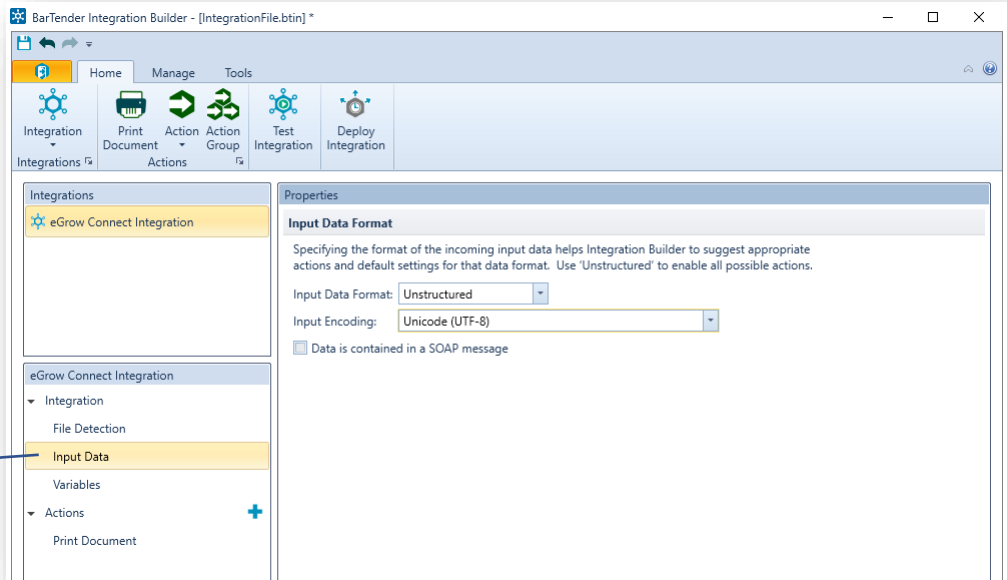
Under Polling Interval, change the units to seconds and enter a value of 10

Under File Idle Time, change the units to seconds and enter a value of 5

For Action After Detection, select “Delete File”

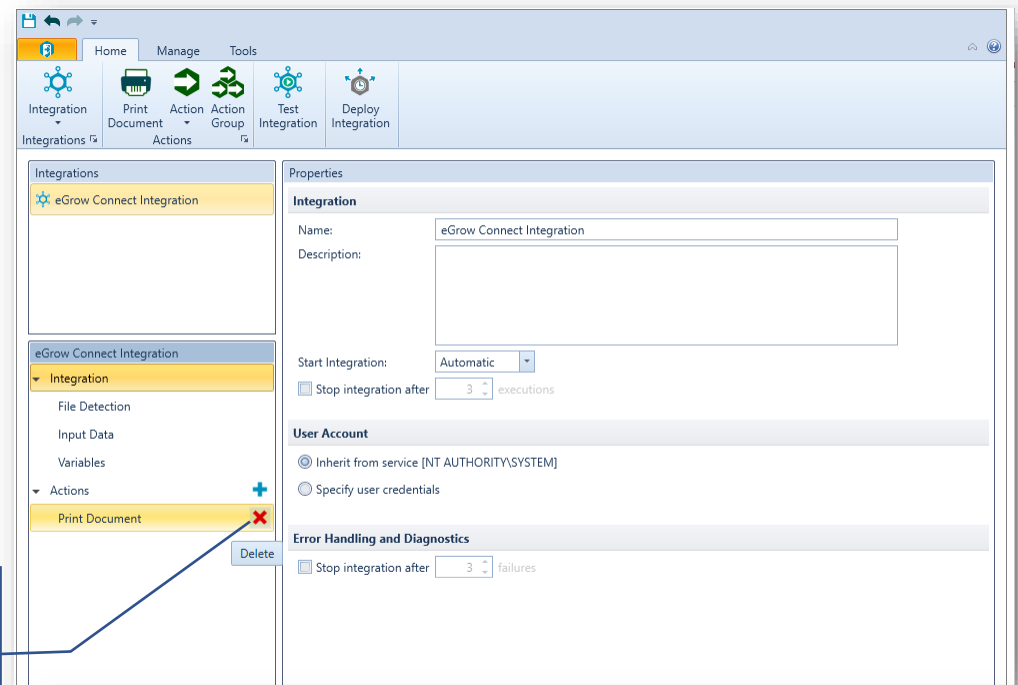
For Action After Failure, select “Rename File”. New Extension value should have “failed” entered and select option for “Make file name unique by appending time stamp”

Click Input Data

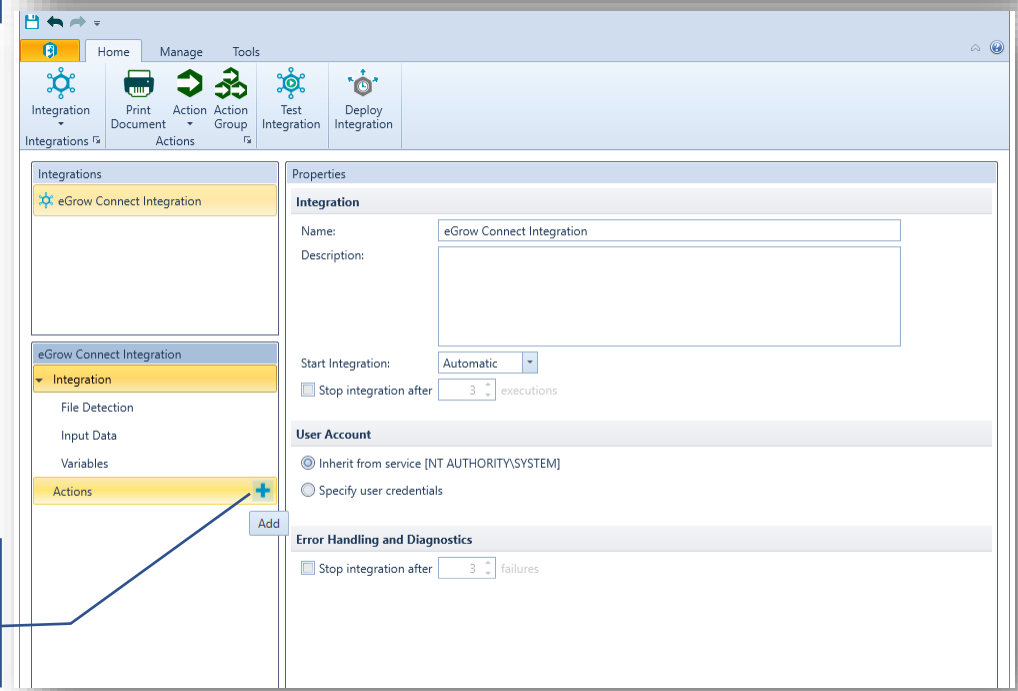


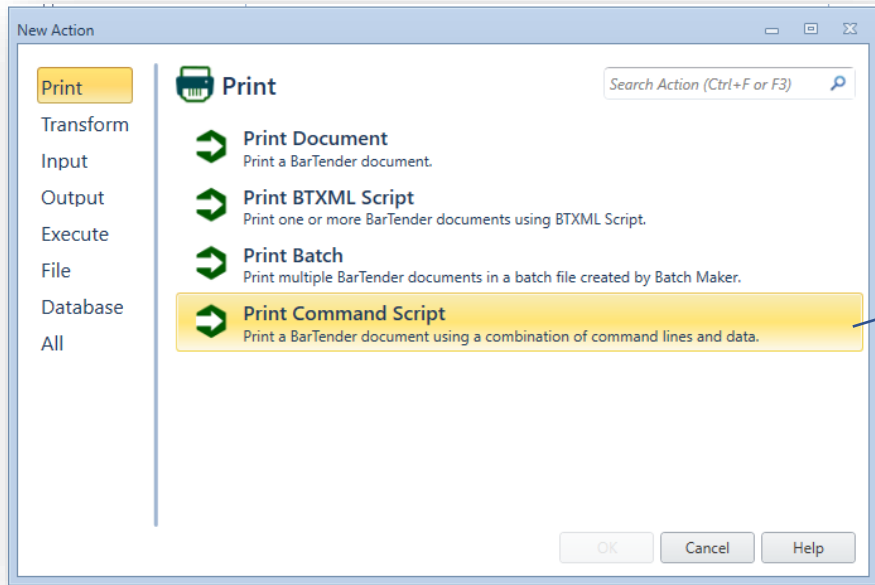
Under Input Encoding, select "Unicode (UTF-8)"

Under Actions, hover your mouse next to Print Document and click the red "X" to delete.



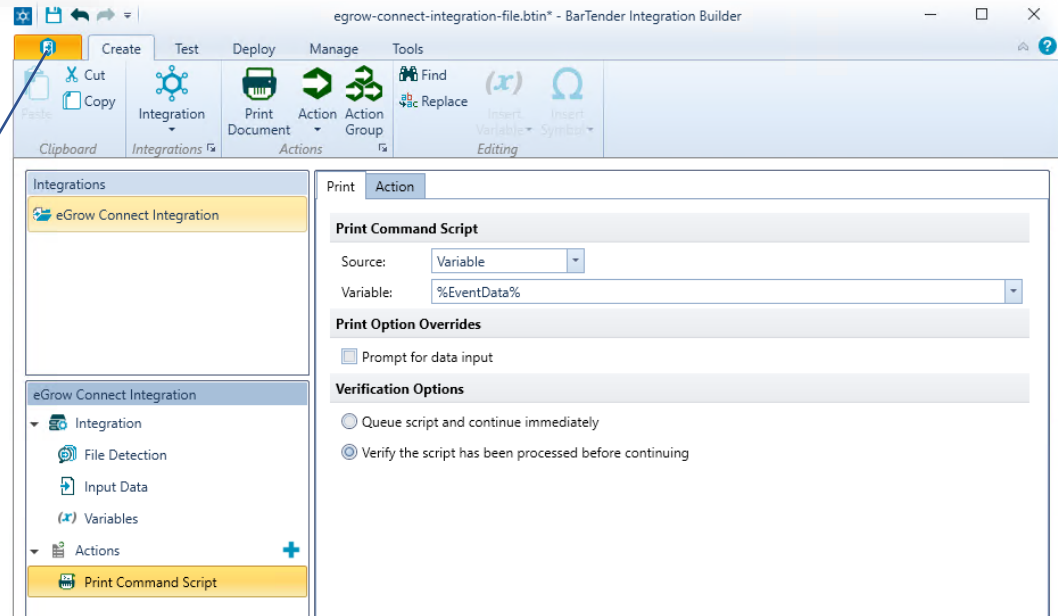
Click the "+" next to Actions

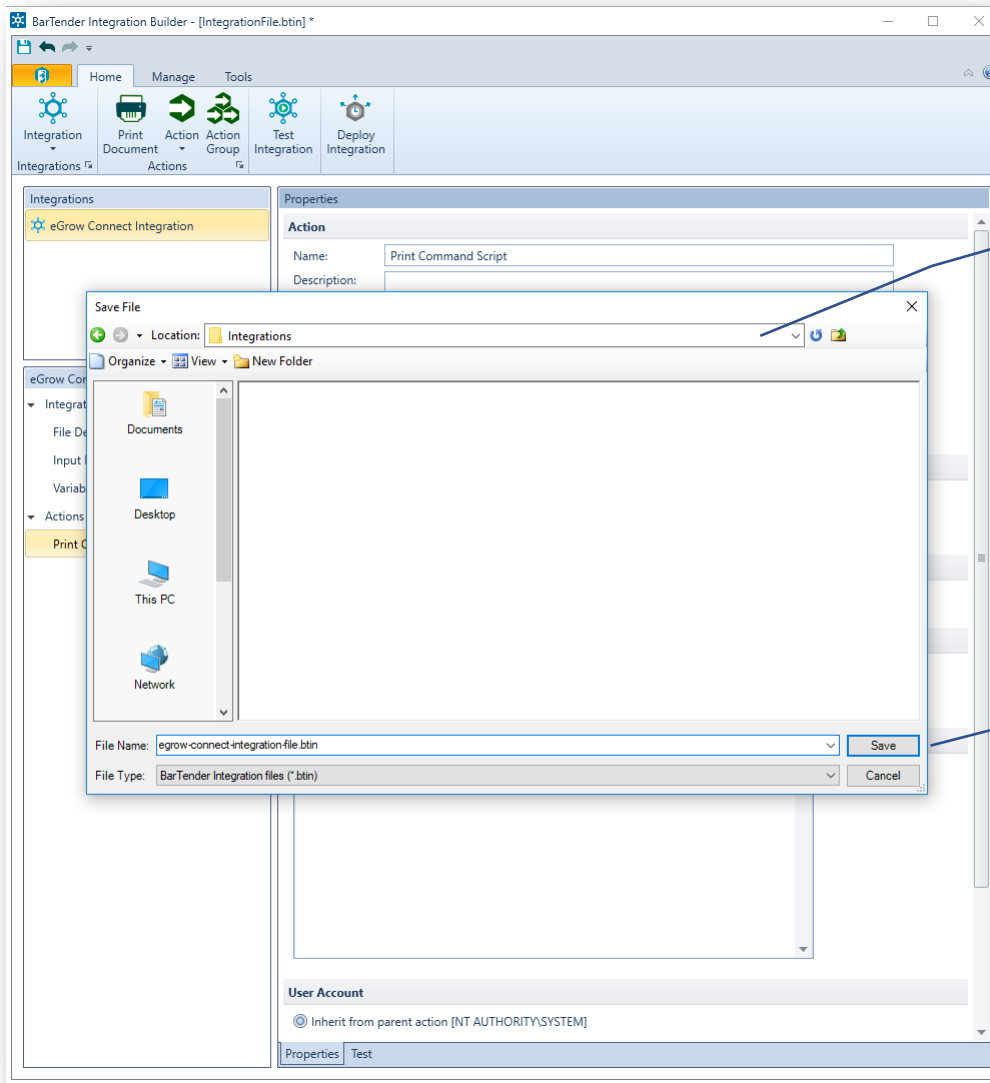




Under the Print menu select "Print Command Script"  
Click OK

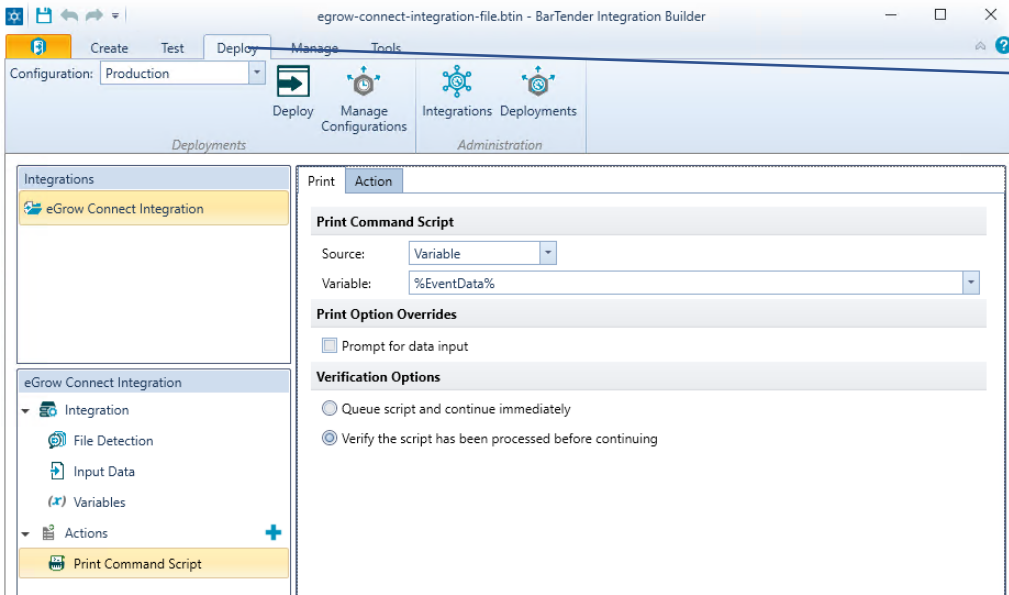
Ensure Source is set to "Variable"  
and Variable value is "%EventData%".  
Click the Save Icon



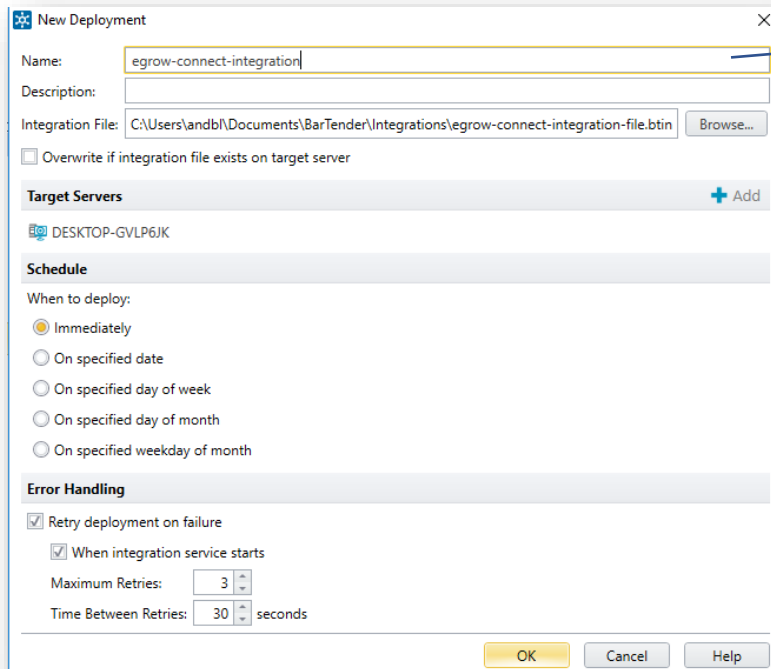


For save location, navigate to your top level  
Dropbox folder

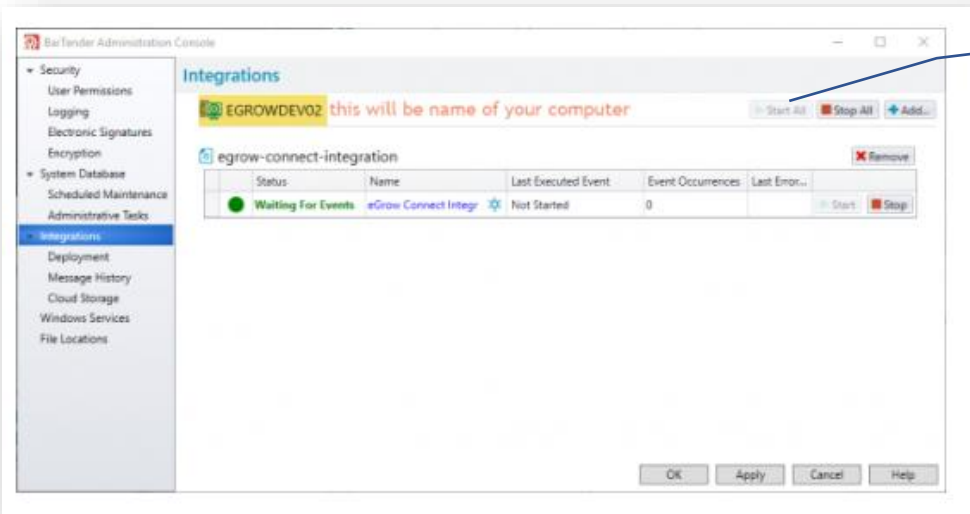
Name the file:  
“egrow-connect-integration-file.btin”  
and click Save



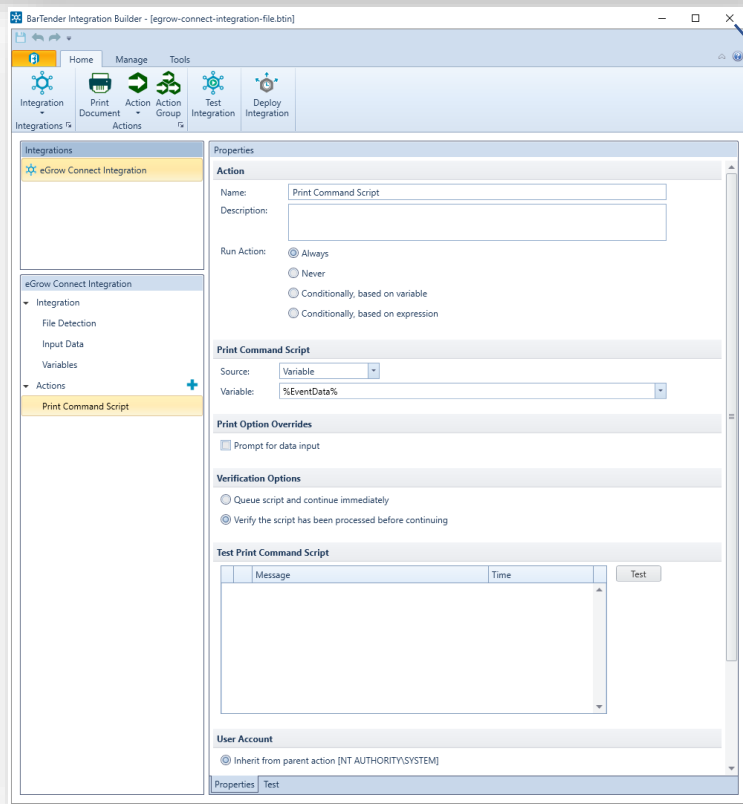
Click of the Deploy tab. Select “Production” for Configuration and click the Deploy button



Name the Deployment “egrow-connect-integration”  
Click OK



BarTender Administrator Console will open showing the deployed integration. Click on Start if not already started. Click ok to close.



Click to close the BarTender Integration builder. BarTender is now ready to accept tag printing jobs from eGrow Connect

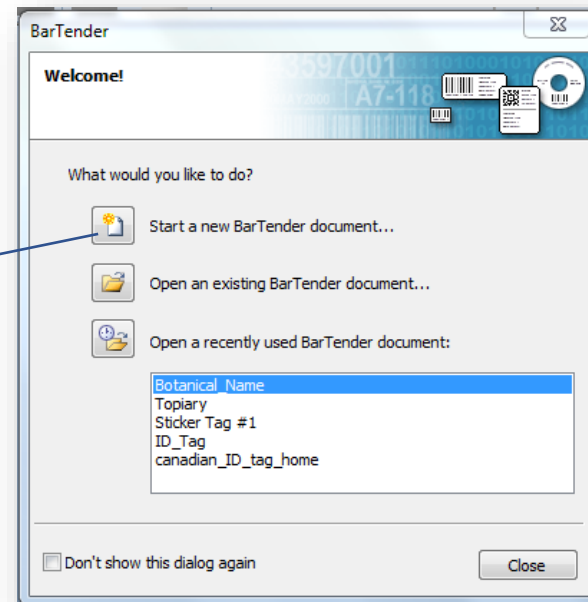
# Creating Tag Designs in BarTender

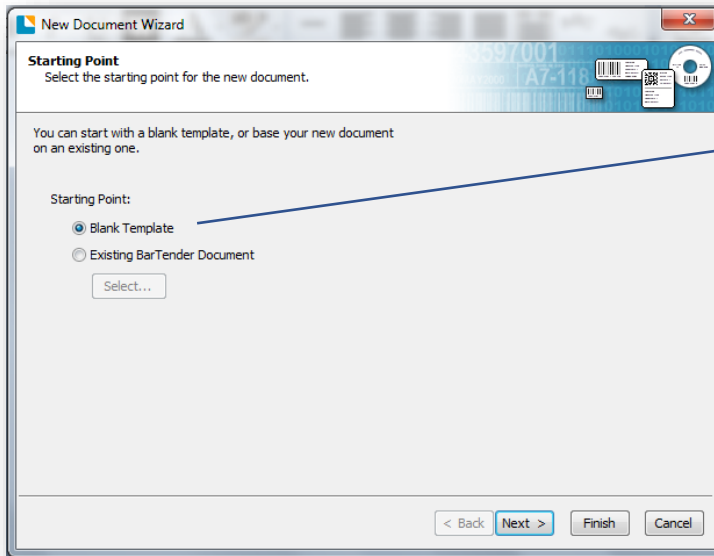


In Windows App list Select  
“BarTender Designer”

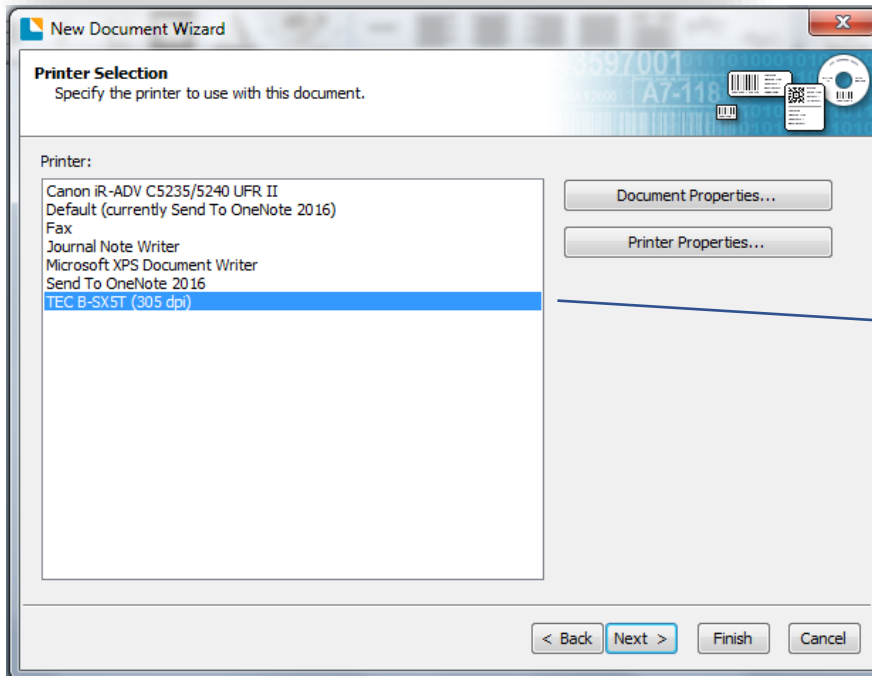
Click “Start a new  
BarTender document”

\*In the future you won't need to go through this process every time you create a different design of this tag size. After you have created your first tag design you can open it and edit or add fields. When finished you'll select “Save As” to create a the new design.

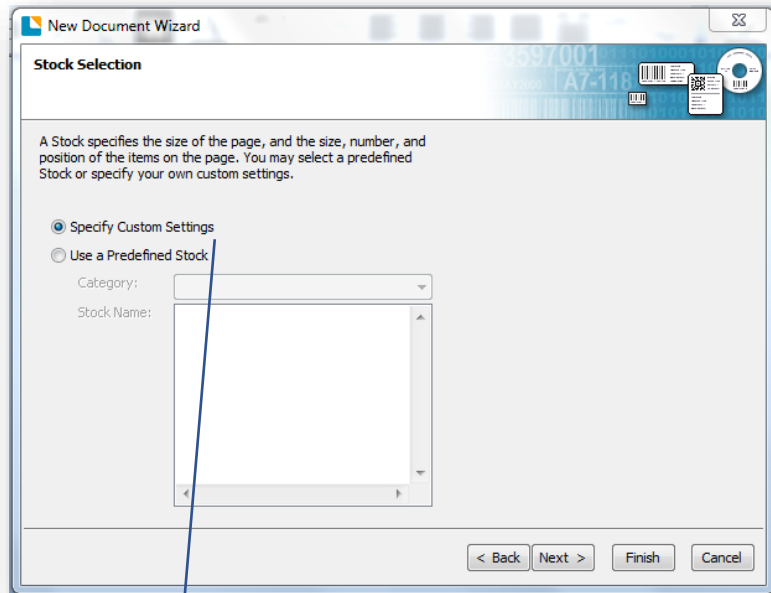




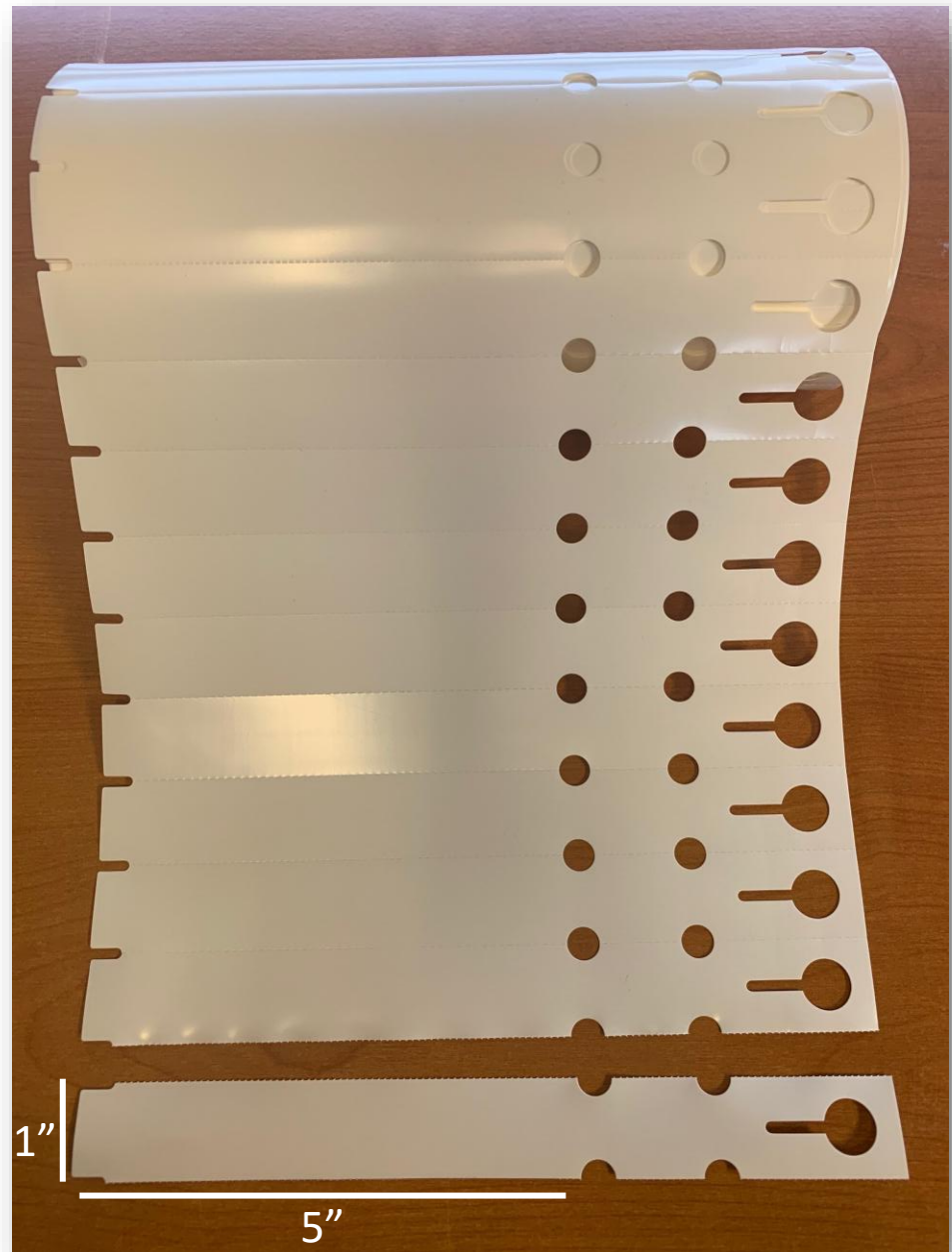
Select "Blank Template" and click Next.



Select the Printer that you will be printing tags to. This printer must be connected to the computer that has BarTender installed. Click Next.



For this example we will be setting up a design for a side to side strip tag that has a printable area of 1" by 5".  
Select "Specify Custom Settings" and click Next



New Document Wizard

### Items Per Page

Specify the characteristics of your media.

Most media has only a single item (label, card, tag, etc.) per page of stock. Some media, however, are more complex and have multiple items on a page.

Single item per page

Multiple columns and/or rows of items per page

Rows:

Columns:

< Back Next > Finish Cancel

Select "Multiple columns and/or rows of items per page"  
Enter 1 Row & 1 Column  
Click Next

New Document Wizard

### Side Edges

Specify the characteristics of the sides of your media.

Does your stock have a small amount of unused material between the edge of the item and the edge of the page?

Yes, it does have some unused material on the sides

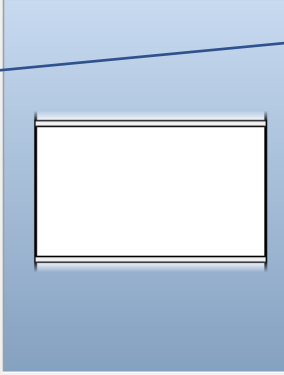
No, it does not

Width of Unused Area:

Left:  in

Right:  in

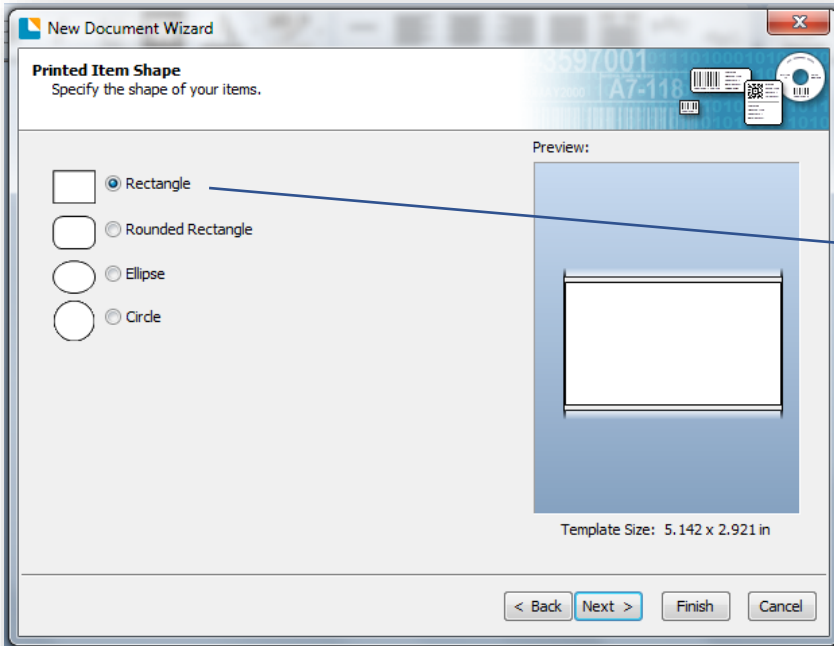
Preview:



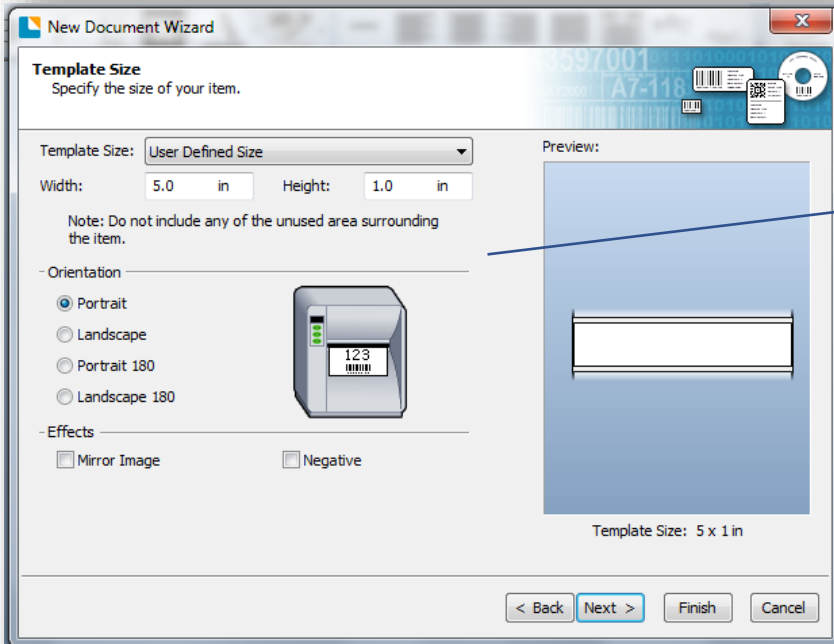
Template Size: 5.142 x 2.921 in

< Back Next > Finish Cancel

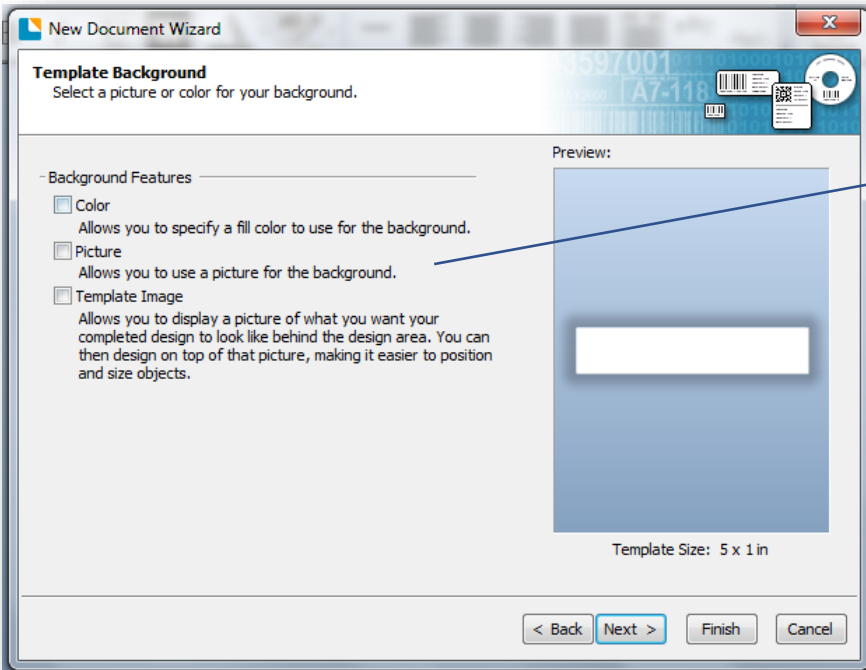
When asked about side edges  
select "No, it does not"  
Click Next



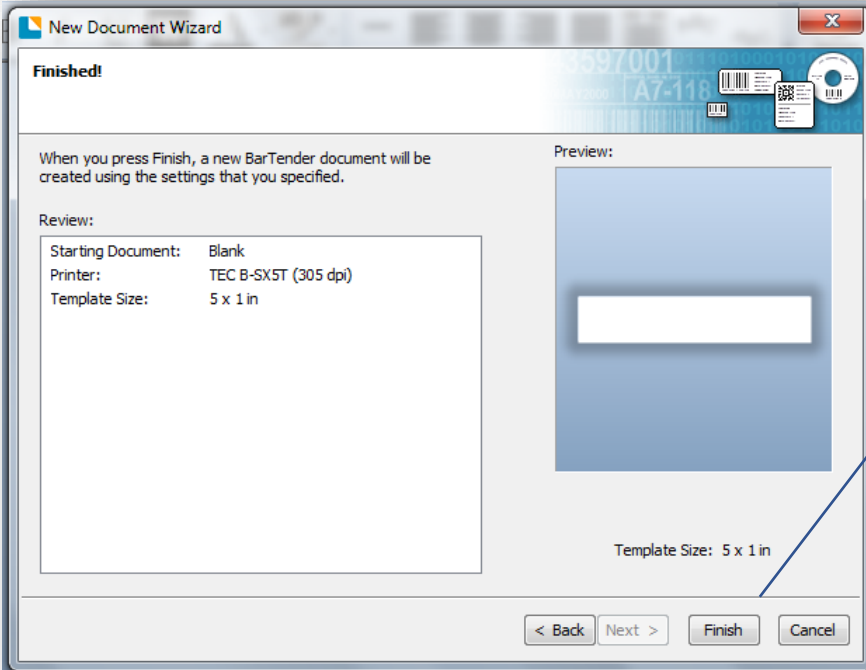
Select Rectangle and click Next



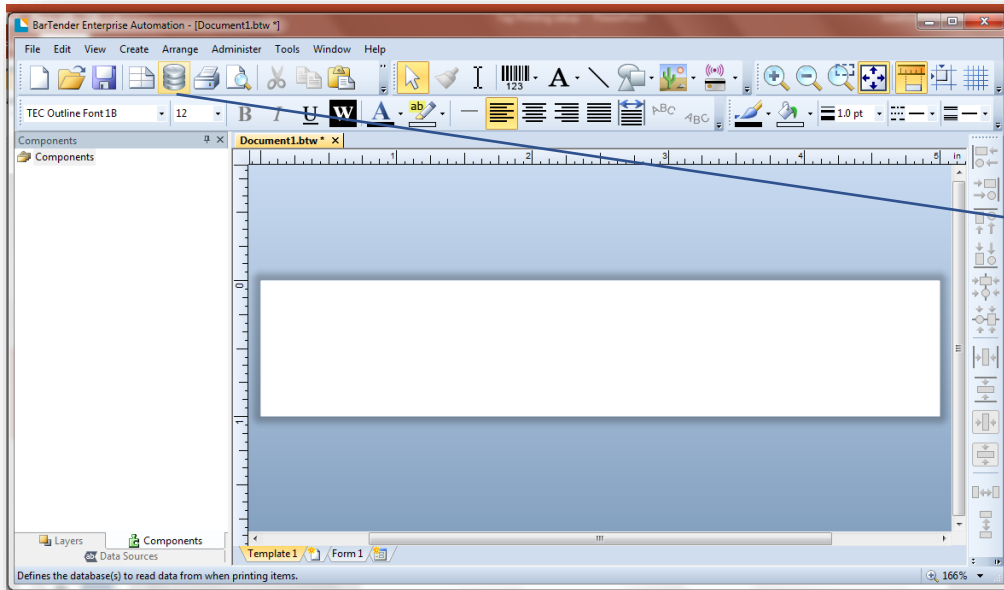
Enter the width and height. In our example we have a 5" width and a 1" height. Under Orientation, select Portrait. Click next



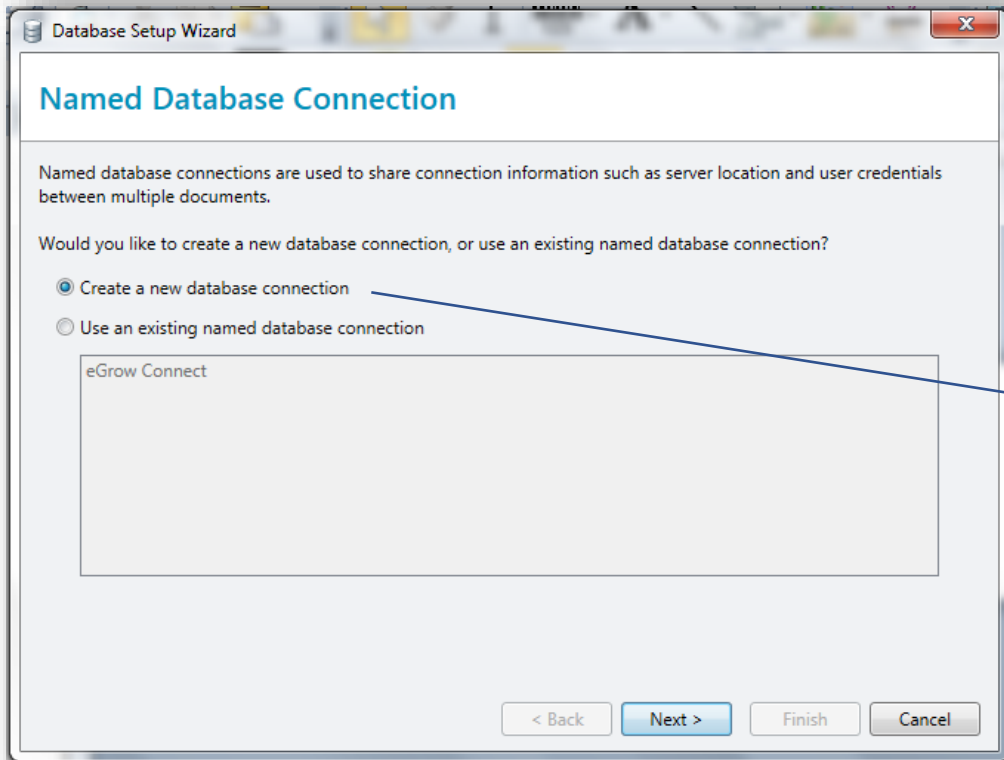
Leave the following checkboxes unselected and click Next.



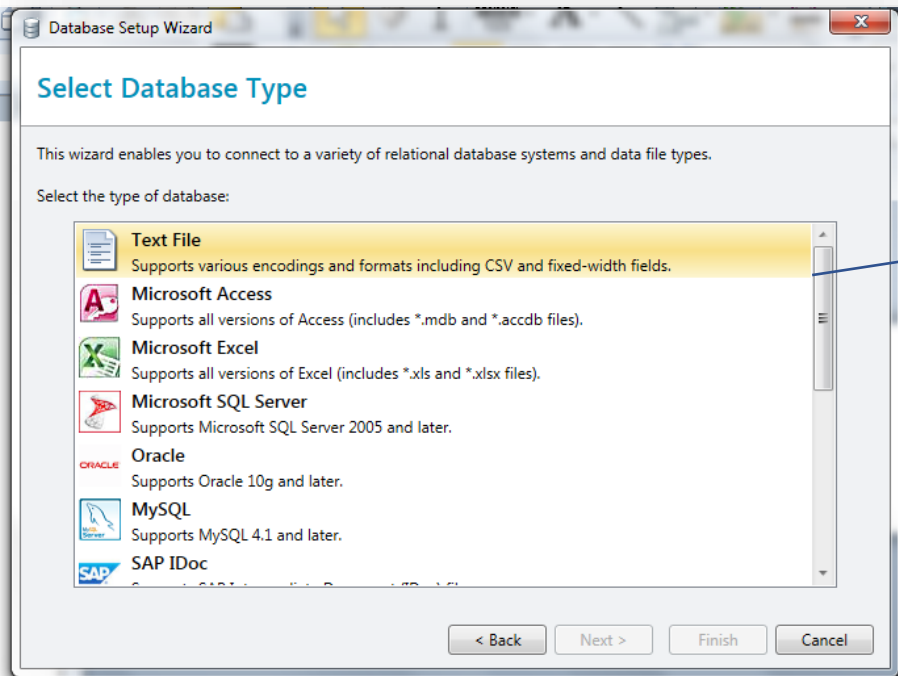
Click Finish



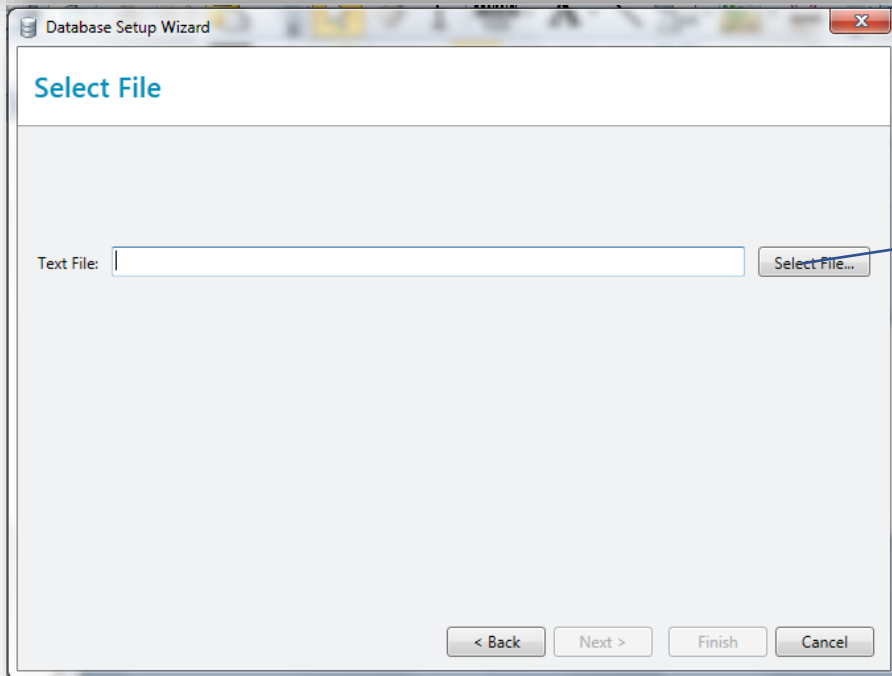
Click the Database Icon



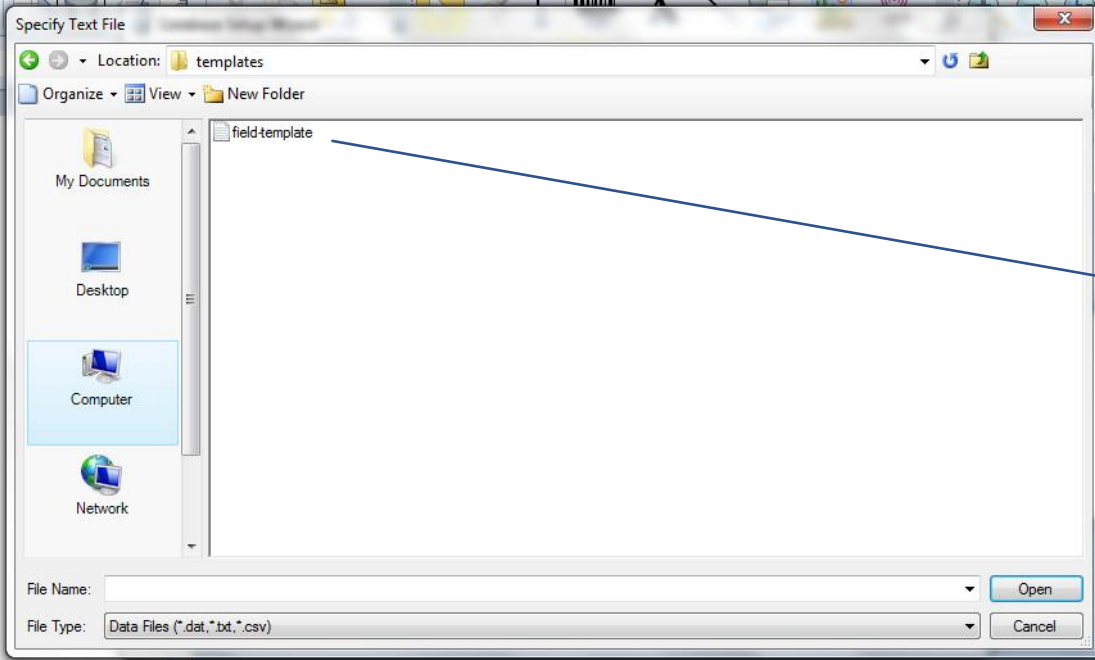
Select "Create a new database connection" and click Next



Select text file and click Next twice



Click "Select File"



Navigate to:

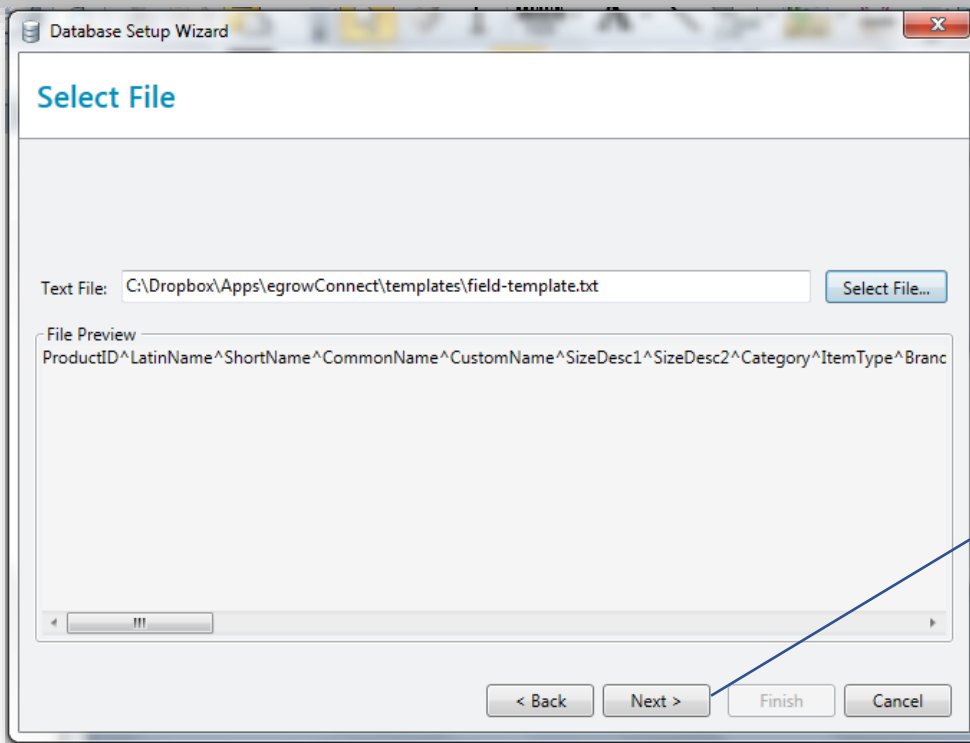
-Dropbox

-Apps

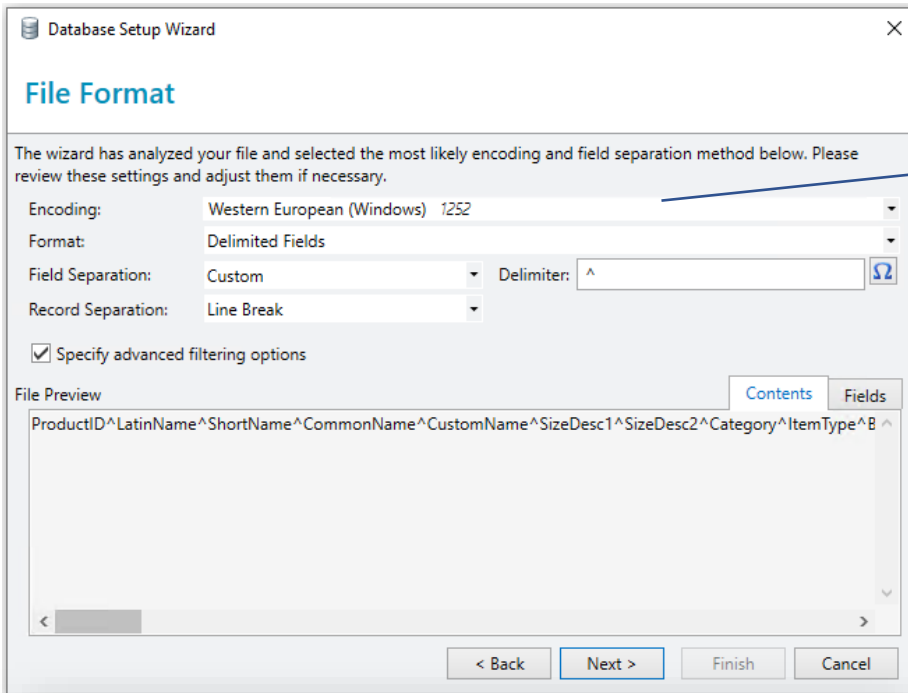
-eGrowConnect

-Templates

Select the “field-template” file  
and click open



Click Next

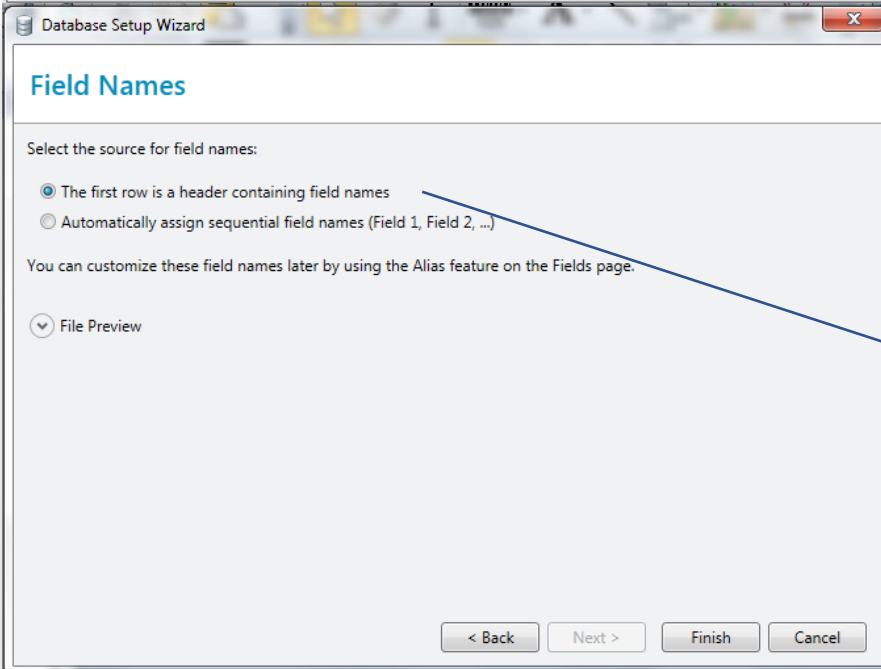


Make sure "Western European (Windows) 1252" is selected for Encoding

Under Field Separation, make sure "Custom" is selected

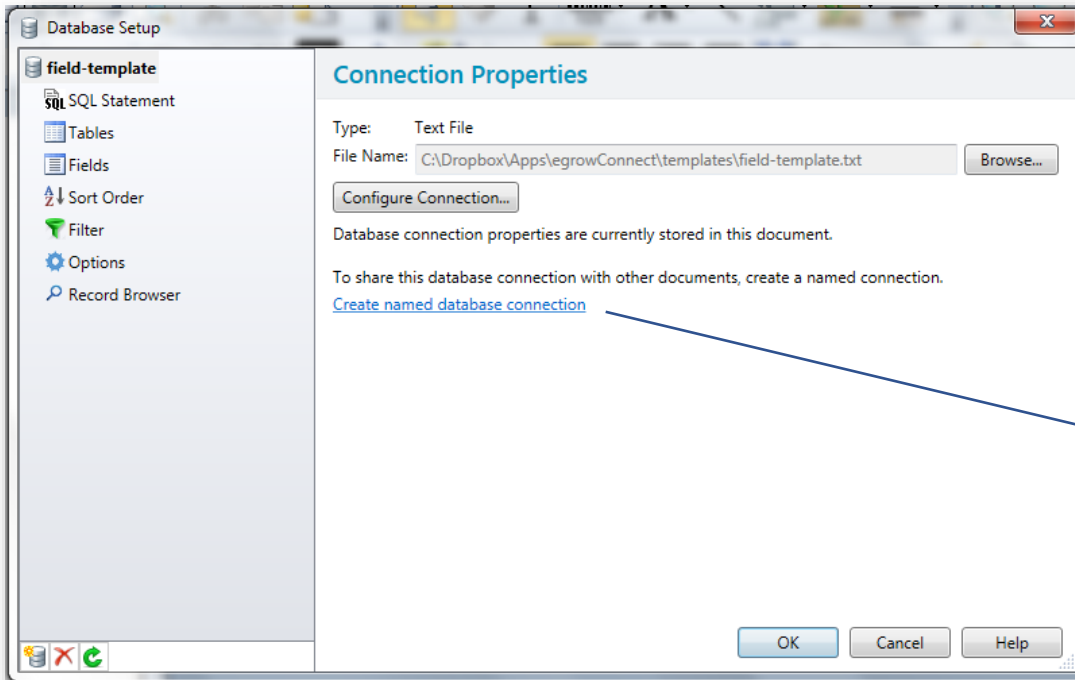
For Custom Separator, enter the carrot "^" symbol

Click Next three times

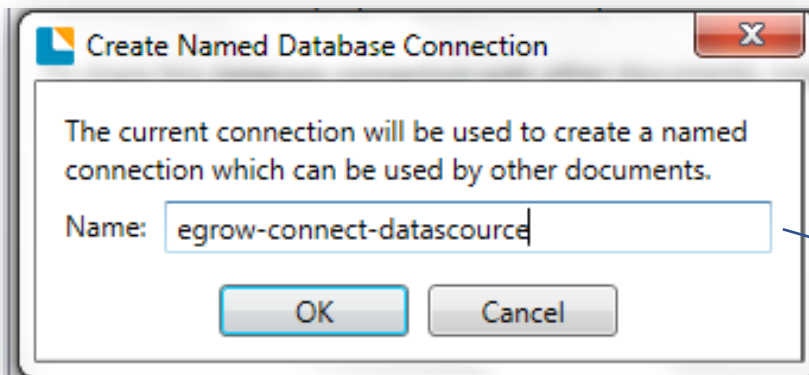


On this screen, select "The first row is a header containing field names"

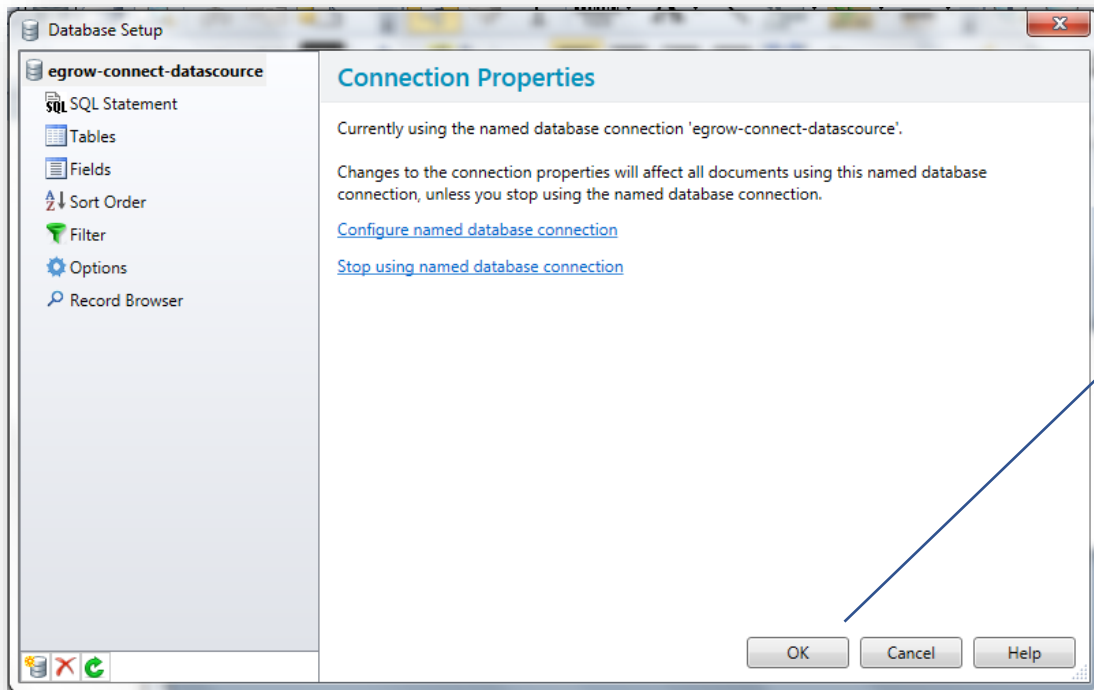
Click Finish



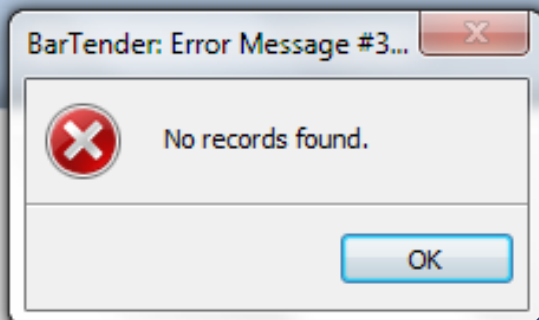
Click "Create named database connection"



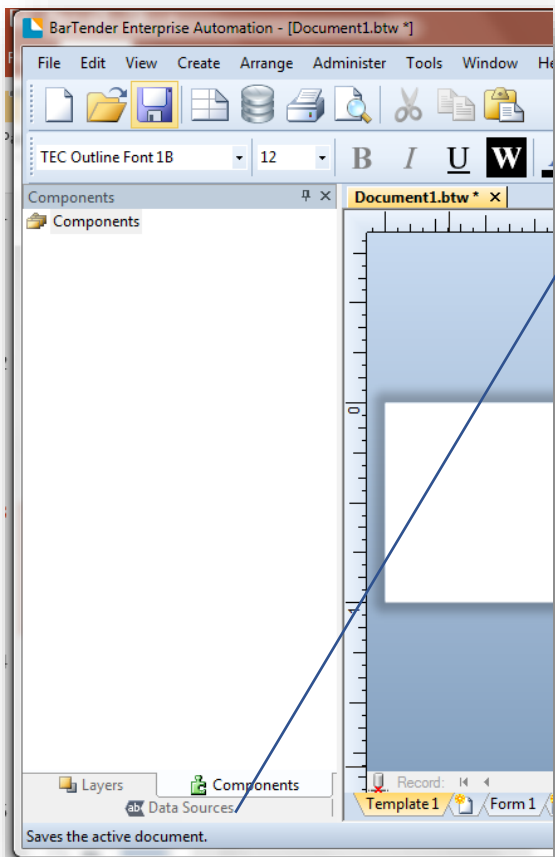
Name the connection "egrow-connect-datascource"  
Click OK



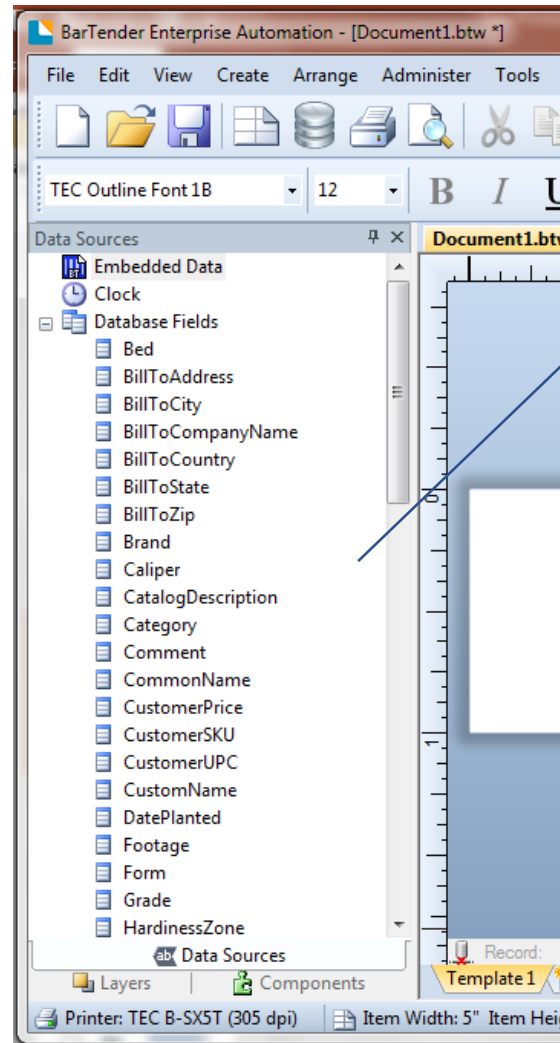
Click OK



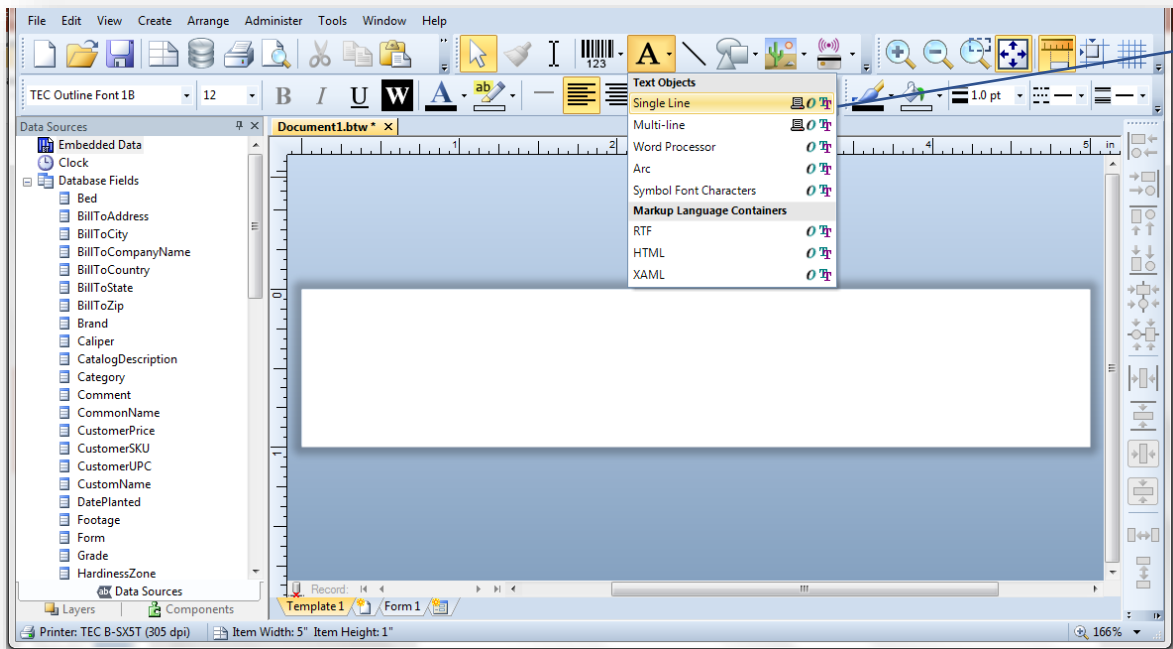
If No records found message appears just click OK



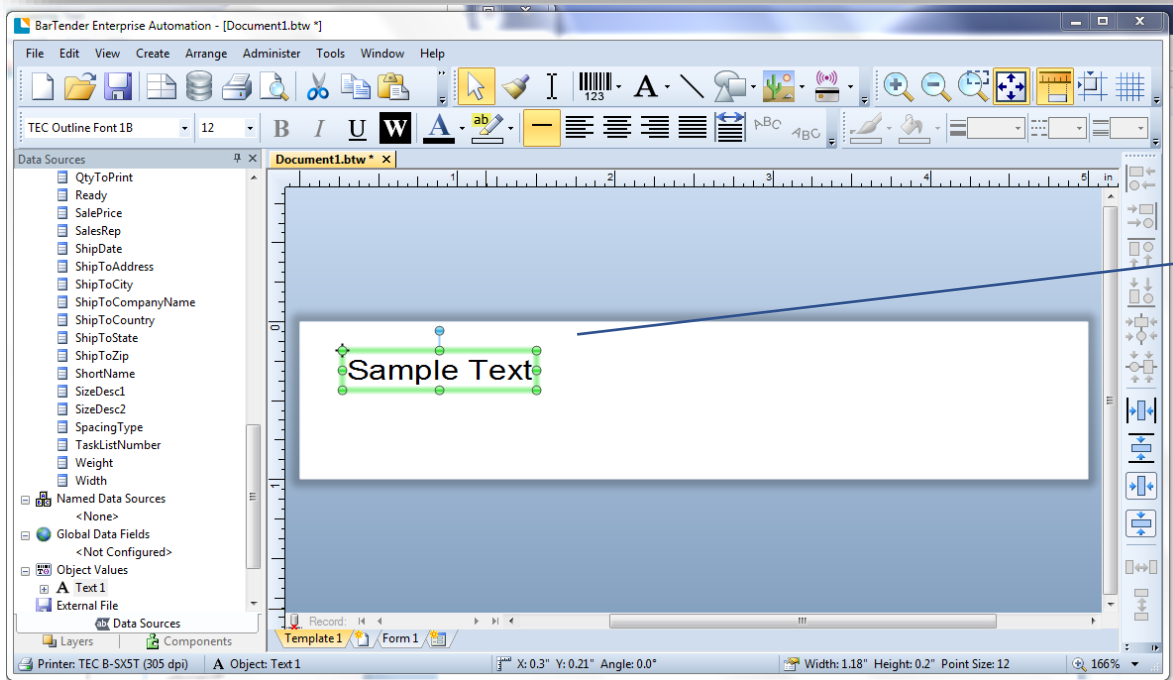
If not already showing, Click on Data Sources



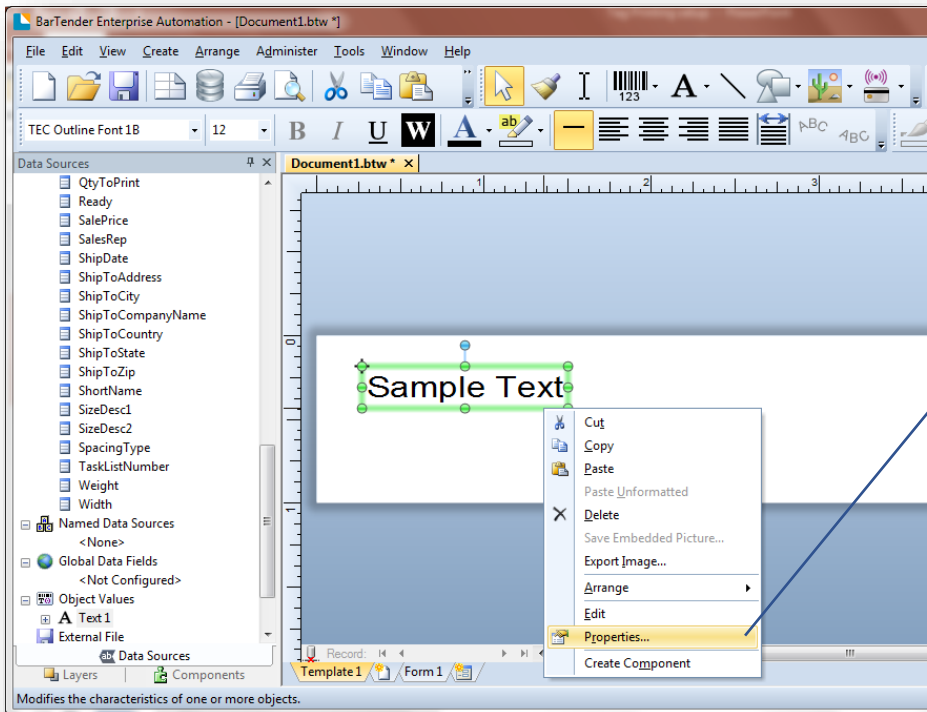
Available fields should show in the left hand pane



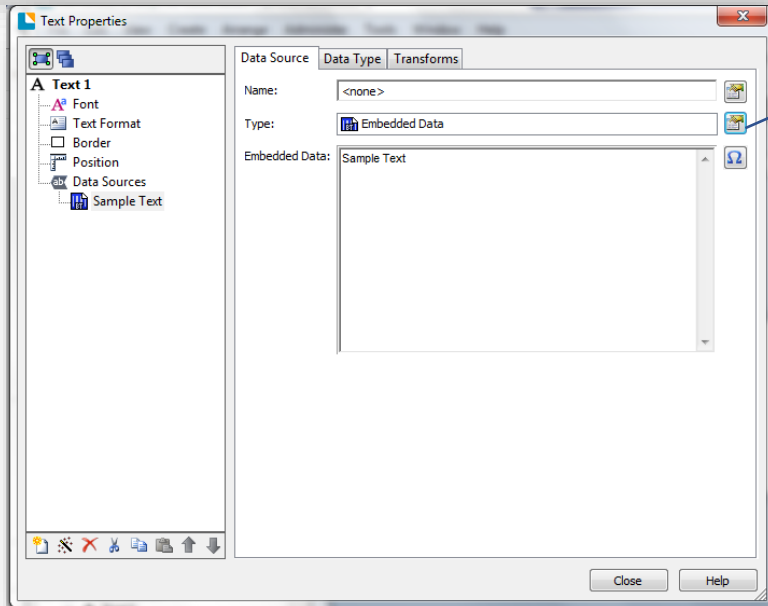
Add text by clicking on the text icon and select single line



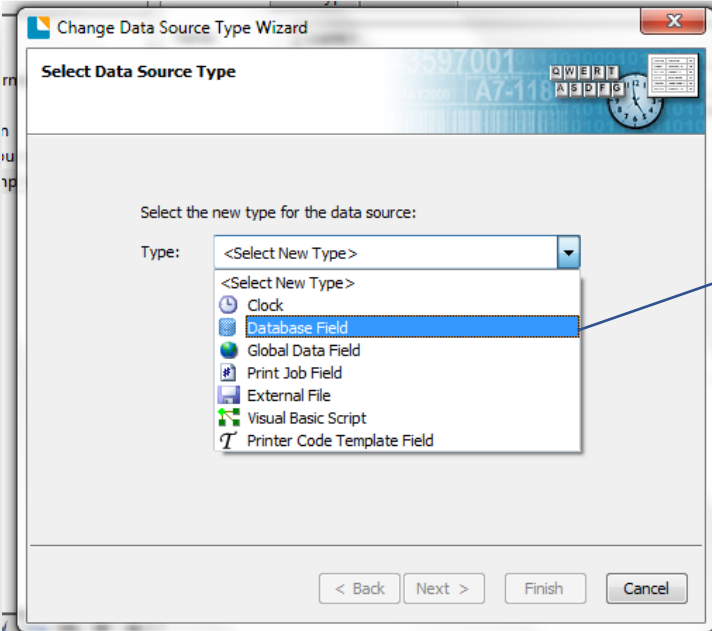
Click anywhere on the tag to position the text



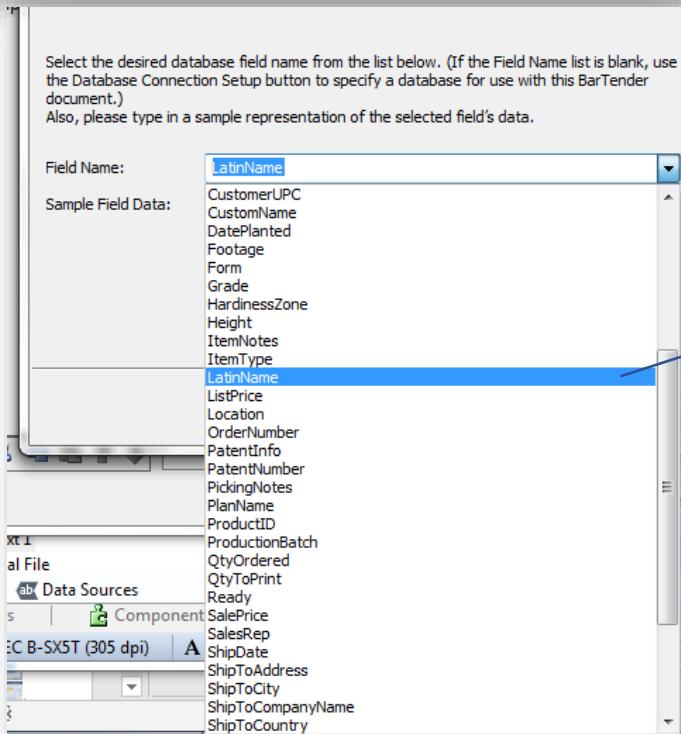
**RIGHT** click on the text and select Properties



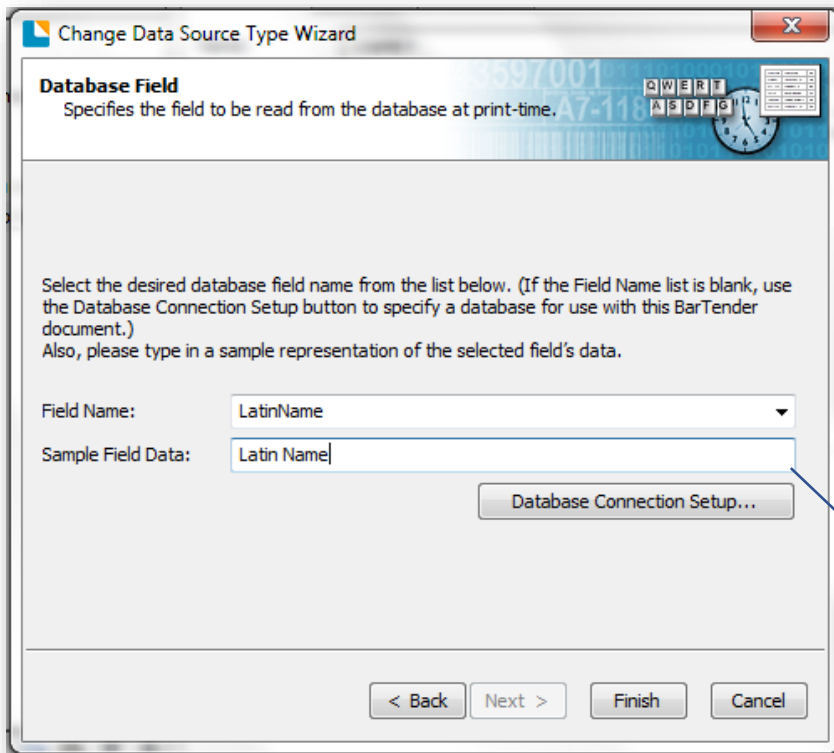
Click on the Data source type button



Select Database Field  
And click Next

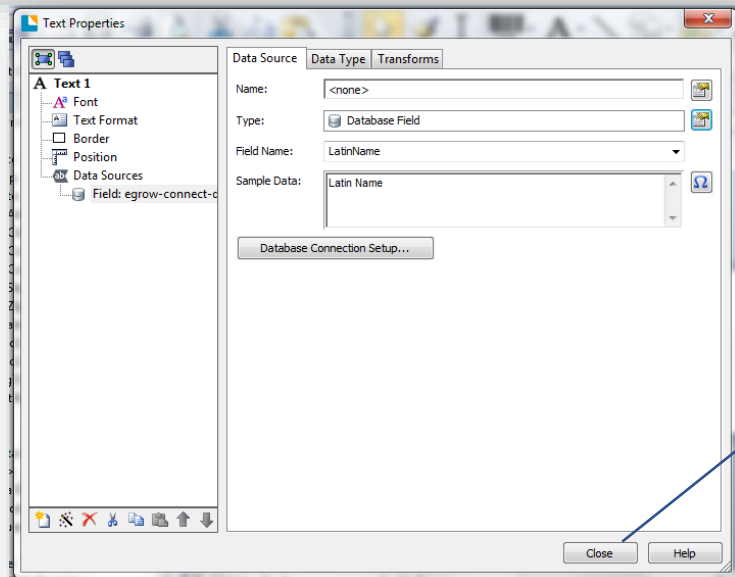


Select the applicable  
field to display.  
Data from this field will  
print where you have  
placed the text on the  
tag design.

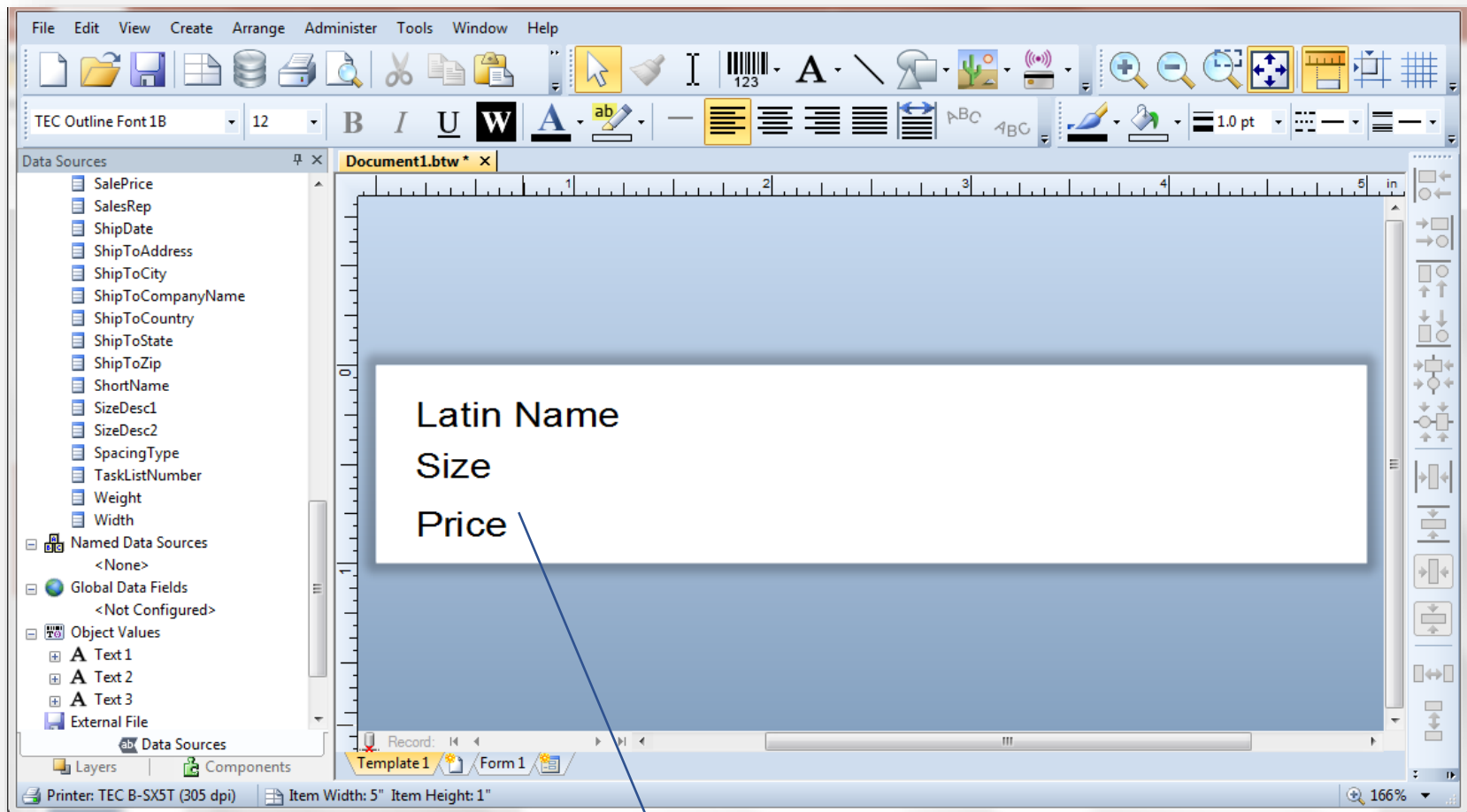


In the Sample Field data box, name the field as it relates to the Field name.

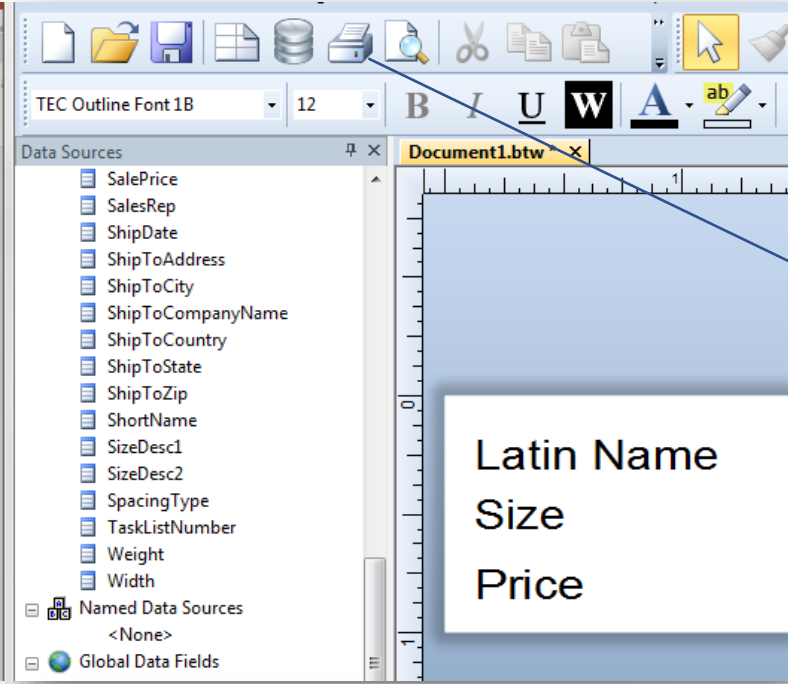
For this example I selected the Latin Name field so I will type Latin Name in the sample Field Data box. This will help you identify the different fields on the tag design  
Click Finish



Click Close

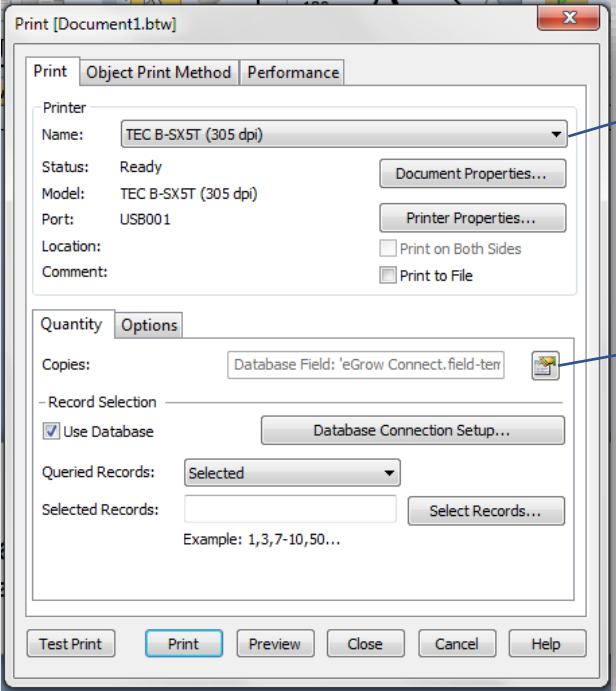


Each time you add text to the design you will repeat the process of Right clicking on the text, change the Data Source Type to Database Field, select the applicable field, name the sample field, click finish, and then click close.

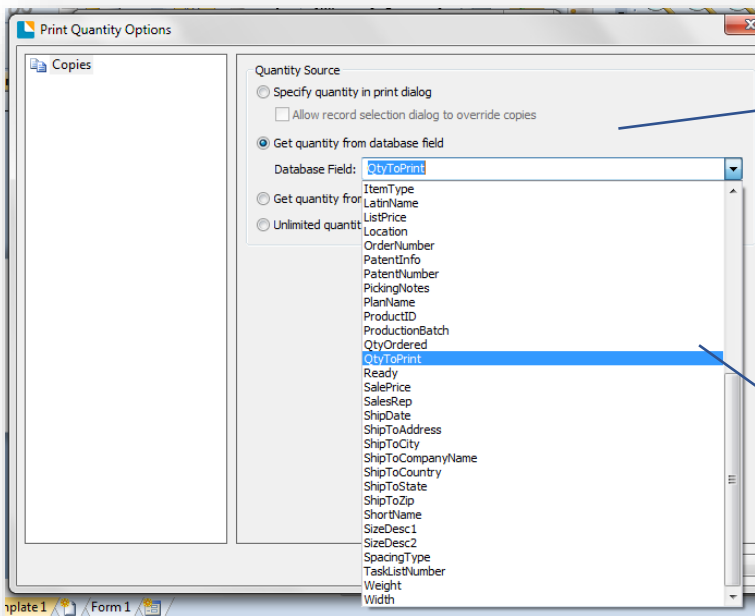


Click the Print Icon

Remember: If you will be printing to multiple tag printers, you will need to create a separate tag design for each printer. In this field, you select the printer that will be printing this specific tag design.

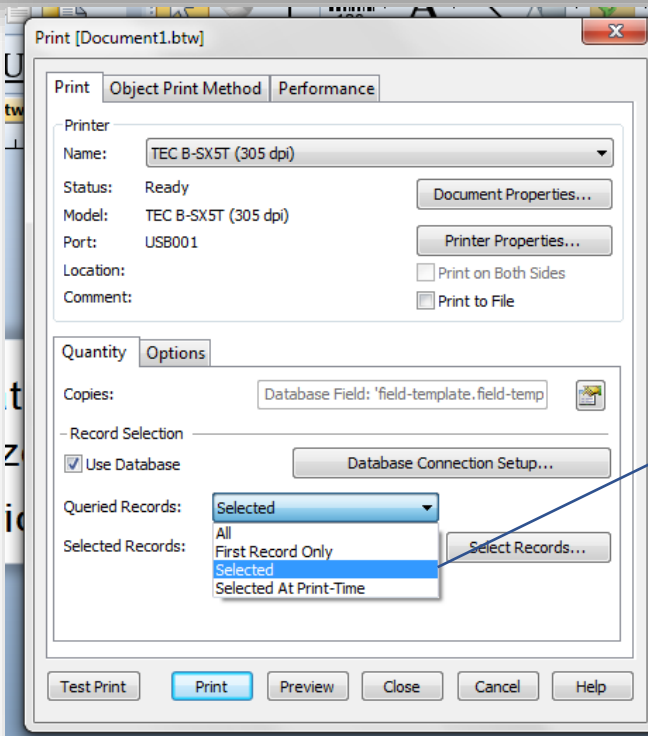


Click the copies icon

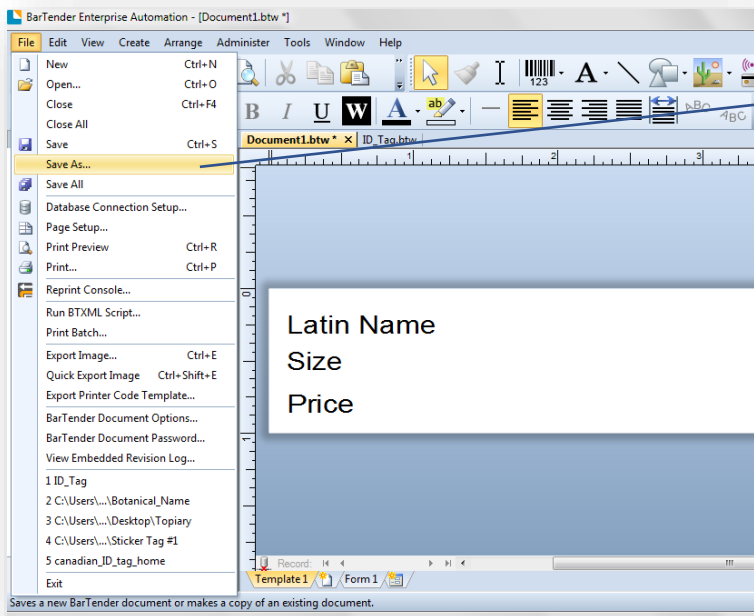


Under Quantity Source, select "Get quantity from database field"

Select "QtyToPrint" from the drop down menu.  
Click OK



In the record selection, under Queried Records choose "Selected"  
Click Close



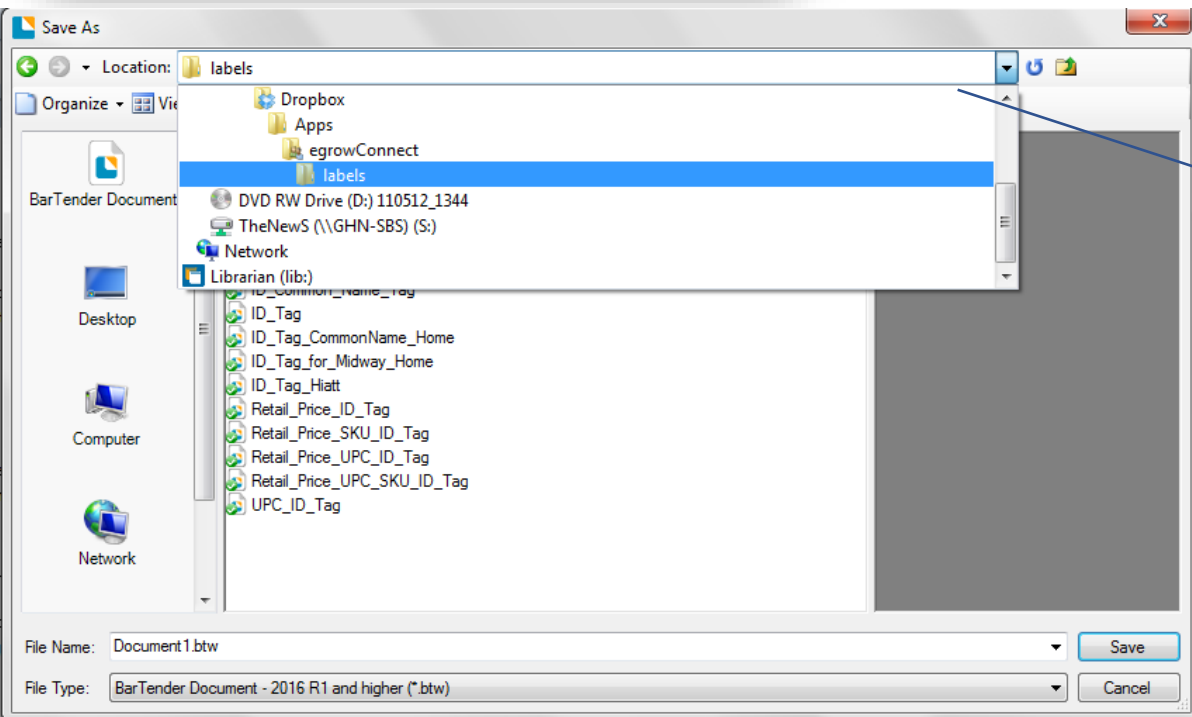
Go to File and select Save As

Navigate to  
-Dropbox  
-Apps  
-eGrowConnect  
-Labels

Enter File Name and click Save

Remember, if you will be printing to multiple tag printers, include in the name of this tag what printer it will be printing to. For example: "ID Tag for main office printer"

You can now close BarTender



# Setting up Tag Printers and Labels in eGrow Connect

eGrow Connect Dashboard Production Purchasing Inventory Sales Shipping Reports Help

System Setup

- Other Info
  - Features & Benefits
    - Garden Style
    - Landscape Use
    - Awards & Recognitions
  - Inventory Tracking
    - Farm or Location Group
    - Location Type
    - Location
    - Ready Dates
    - Spacing Types
    - Dump Reasons
    - Count Reasons
    - Availability Templates
  - Sales
    - Customer Type
    - Payment Terms
    - Ship Method
    - Region
    - Order Category
    - Order Discount
    - Order Allocation
    - Tag Types
    - Credit Reason
    - Goal Setup
  - Production
    - Production Settings
    - Soil Components
    - Soil Type
    - Activities
    - Productivity Log Type
  - Purchasing
    - Vendor Type
    - Order Category
  - Integrations
    - Quickbooks Settings
    - Tag/Label Printing
      - BarTender Settings
      - Printer List**
      - Label/Tag List

Printer List

Reload Add Delete

	Printer Name	Custom Name	Data Folder
1	TEXC-B-SX4	Main Printer in Office	A

Navigate to "Printer List" in System Setup > Integrations > Tag/Label Printing

eGrow Connect Dashboard Production Purchasing Inventory Sales Shipping Reports Help

System Setup

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Printer List

Reload Add Delete

	Printer Name	Custom Name	Data Folder
1	TEXC-B-SX4	Main Printer in Office	A

The printer that will be printing tags must be added into the eGrow printer list. You can use up to four separate printers. Each time you add a printer you will map it to a specific scan folder within Dropbox. (Either A,B,C,or D)

Printer List

Reload Add Delete

Add New Printer

Printer Name   
exact name as installed

Custom Name   
printer name of your choosing

Data Folder   
to monitor for BarTender integration service

Submit Cancel

Click the green Add button to add a printer. The Printer Name must be the exact name used on your PC Use the custom name field to further describe the Printer. Select a data folder that the printer will be connected to. Your first printer should use folder "A" Click Submit

eGrow Connect Dashboard Production Inventory Sales Shipping Reports Help

**System Setup**

- Soil Condition
- Bloom Season
- Maintenance
- Other Info
  - Features & Benefits
  - Garden Style
  - Landscape Use
  - Awards
- Inventory Tracking
  - Farm or Location Group
  - Location Type
  - Location
  - Ready Dates
  - Spacing Types
  - Dump Reasons
- Sales
  - Customer Type
  - Payment Terms
  - Ship Method
  - Region
  - Order Category
  - Order Discount
  - Order Allocation
  - Tag Types
  - Credit Reason
  - Goal Setup
- Production
  - Production Settings
  - Soil Components
  - Soil Type
  - Activities
  - Productivity Log Type
- Purchasing
  - Vendors
- Integrations
  - Quickbooks Settings
  - Tag/Label Printing
    - BarTender Settings
    - Printer List
    - Label/Tag List

**Label/Tag List**

Reload Add Delete

	Label/Tag File Name	Description	Printer
1	Canada_ID_Tag_Hiatt.btw	HIATT__Canada ID Tag	TEC B-572
2	canadian_ID_tag_home.btw	Canadian ID Tag	TEC B-SX5T (305 dpi)
3	Display Garden Tags.btw	Display Garden Tags	TEC B-SX5T (305 dpi)
4	Hiatt_UPC_SKU_Price_Hiatt.btw	Hiatt UPC SKU PRICE Hiatt	TEC B-572
5	ID_Common_Name_Tag.btw	Id and Common name	TEC B-SX5T (305 dpi)
6	ID_Tag.btw	Id Tag Home Farm	TEC B-SX5T (305 dpi)
7	ID_Tag_CommonName_Home.btw	ID Tag with common name	TEC B-SX5T (305 dpi)
8	ID_Tag_for_Midway_Home.btw	Midway Retail Tags	TEC B-SX5T (305 dpi)
9	ID_Tag_Hiatt.btw	HIATT__ID Tag	TEC B-572
10	Retail_Price_ID_Tag.btw	Retail Price Id Tag	TEC B-SX5T (305 dpi)
11	Retail_Price_SKU_ID_Tag No Price.btw	SKU ID No price	TEC B-SX5T (305 dpi)
12	Retail_Price_SKU_ID_Tag.btw	Retail Price with SKU	TEC B-SX5T (305 dpi)
13	Retail_Price_UPC_ID_Tag.btw	Retail Price with UPC	TEC B-SX5T (305 dpi)
14	Retail_Price_UPC_SKU_ID_Tag.btw	Retail Price with SKU and UPC	TEC B-SX5T (305 dpi)
15	UPC_ID_Tag.btw	UPC ID Tag	TEC B-SX5T (305 dpi)

Navigate to "Label/Tag List" in System Setup > Integrations > Label/Tag Printing

System Setup

Label/Tag List

Reload Add Delete

	Label/Tag File Name	Description	Printer
1	Canada_ID_Tag_Hiatt.btv	HIATT_Canada ID Tag	TEC B-572
2	canadian_ID_tag_home.btv	Canadian ID Tag	TEC B-SXST (305 dpi)
3	Display Garden Tags.btv	Display Garden Tags	TEC B-SXST (305 dpi)
4	Hiatt_UPC_SKU_Price_Hiatt.btv	Hiatt UPC SKU PRICE Hiatt	TEC B-572
5	ID_Common_Name_Tag.btv	Id and Common name	TEC B-SXST (305 dpi)
6	ID_Tag.btv	Id Tag Home Farm	TEC B-SXST (305 dpi)
7	ID_Tag_CommonName_Home.btv	ID Tag with common name	TEC B-SXST (305 dpi)
8	ID_Tag_for_Midway_Home.btv	Midway Retail Tags	TEC B-SXST (305 dpi)
9	ID_Tag_Hiatt.btv	HIATT_ID Tag	TEC B-572
10	Retail_Price_ID_Tag.btv	Retail Price Id Tag	TEC B-SXST (305 dpi)
11	Retail_Price_SKU_ID_Tag No Price.btv	SKU ID No price	TEC B-SXST (305 dpi)
12	Retail_Price_SKU_ID_Tag.btv	Retail Price with SKU	TEC B-SXST (305 dpi)
13	Retail_Price_UPC_ID_Tag.btv	Retail Price with UPC	TEC B-SXST (305 dpi)
14	Retail_Price_UPC_SKU_ID_Tag.btv	Retail Price with SKU and UPC	TEC B-SXST (305 dpi)
15	UPC_ID_Tag.btv	UPC ID Tag	TEC B-SXST (305 dpi)

Tag/Label Printing

BarTender Settings

Printer List

Label/Tag List

Once you have designed a tag in BarTender, you'll need to add it to the Label/Tag list in eGrow.

It's important to remember that a tag file can only be printed by the printer selected when the tag was built.

If you will be printing the same tag with an additional printer you will need to create a new tag file and connect it to the other printer.

To add a tag click the green Add button. Copy and Paste the EXACT file name and extension. Entering this information incorrectly is a common error made by growers.

Use the description field to further identify the tag. If you will be using multiple printers it's a good idea to include the printer description name in the tag description field. An example would be "Plant ID tag for Main Office Printer" or "Plant ID tag for Shipping Office Printer"

Next, select the printer the tag was setup to print to and then click submit.

Label/Tag List

Reload Add Delete

Add New Label/Tag

Label/Tag File Name

exact file name with extension.

Description

Printer

Submit Cancel

You should now be ready to print tags! To test, follow the steps below

Open a sales order  
Click on the Print icon  
Select Label/Tags

The screenshot displays the eGrow Connect software interface. The top navigation bar includes icons for Dashboard, Production, Purchasing, Inventory, Sales, Shipping, Reports, and Help. The user's name 'blaine' is visible in the top right corner. The main window is divided into several sections:

- Order List Actions:** Includes icons for Reload List, New Order, View Order, Column Chooser, Collapse Panel, Open, Posted, Add Items, Group Items, Print, Email, Back Order, Post Order, Reload Order, Split Summary, Split Order, Duplicate Order, Schedule Load, Void Order, and Close.
- Open Orders Table:** A table listing various orders with columns for Order#, Ship to Company Name, Ship Date, Rep, and Total. Order 1131, 'Sun Gold Farm, LLC', is highlighted.
- Order Details:** Shows information for 'Sun Gold Farm LLC' including Order Date (12/09/2018), Ship Date (12/31/2018), Ship Method, and Order Category. It also displays shipping information and a 'Sales Order' summary table.
- Left-Hand Menu:** A vertical menu with options: Estimate, Acknowledgment, Confirmation, Staging Ticket, Picking Ticket, Bill of Lading, Packing List, Invoice, Item Summary, and Label/Tags (which is highlighted).
- Item Summary Table:** A table showing item details for 'Abelia Sunshine Daydream\*'. The table has columns for #, ProductID, Short Name, Size Descr, Ordered, Confirme, NA, Cancel, Lost, Total Split, List Price, Sell Price, and Extended. The total for this item is \$3,595.40.

The 'Sales Order' summary table is as follows:

	SALES ORDER
Sub Total	\$3,595.40 USD
Discountable	\$3,595.40 USD
Royalties	\$0.00 USD
Freight	\$0.00 USD
(0.00%) Tax 1	\$0.00 USD
(0.00%) Tax 2	\$0.00 USD
Item Discount	\$0.00 USD
Discount	0.00% \$0.00 USD
Amount Prepaid	\$0.00 USD
(12/31/2018) Total Due	\$3,595.40 USD
PrePay Req'd	0% \$0.00 USD

Two views are available:  
If the allocation detail  
button is clicked, location  
information is visible.

Order Items Allocation Detail

<input type="checkbox"/>	Qty to Print	ProductID	Short Name	Size Desc1	Order#	Ship To Company	Location	Bed	Ready
<input type="checkbox"/>	500	77901g	Abelia Sunshine Daydream*	1 Gal	1131	Sun Gold Farm LLC			

Select what items you would like to print, or click the top level checkbox to select all. Remember- You can change how many tags to print for each line item by clicking in the Qty to Print field and entering a custom qty

Make sure the tag printer and the computer it's plugged into is on. Click Print

Label/Tag

--Select Label/Tag--

Printer

--Select Printer--

Select the label design you would like to use. The printer assigned to this design will automatically populate when a tag design is selected.

Print Close