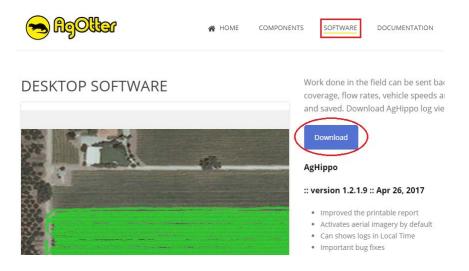
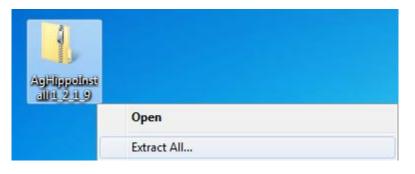
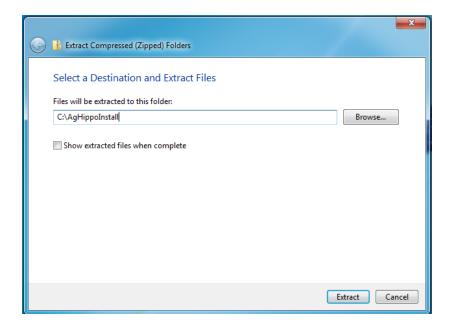
I. AgHippo Installation

1. Download AgHippo from <u>www.agotter.com</u> under the Software link.



2. Extract the files from the AgHippoInstall zipped file to a new folder. (e.g C:\AgHippoInstall) Right click the file (from downloaded location), select Extract All, choose a folder to extract to – the suggested new folder above, then click the Extract button.



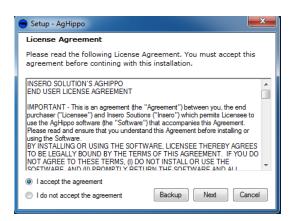


3. Run AgHippoInstaller (from the folder in Step 2) and click Next to start the installation.

Important Note: If upgrading to a new version of AgHippo, see Appendix A: AgHippo Uninstallation first for uninstallation instructions.

😑 Setup - AgHippo		
Insero	Welcome to Insero's AgHippo Setup Wizard	
This will install AgHippo	on your computer.	
It is recommended you close all other applications before continuing.		
Press Next to continue or Cancel to exit Setup.		
	Next Cancel	

4. Click "I accept the agreement" and click Next.



5. MapWinGIS is the first component that will install.



6. Choose English as the setup Language and click OK.

Select Setup Language		
()	Select the language to use during the installation:	
	English 💌	
	OK Cancel	

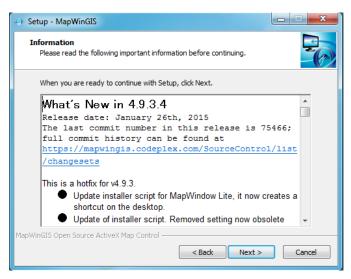
7. Click Next.

Setup - MapWinGIS	
	Welcome to the MapWinGIS Setup Wizard
	This will install MapWinGIS version 4.9.3.4 on your computer.
	It is recommended that you dose all other applications before continuing.
5	Click Next to continue, or Cancel to exit Setup.
	Next > Cancel

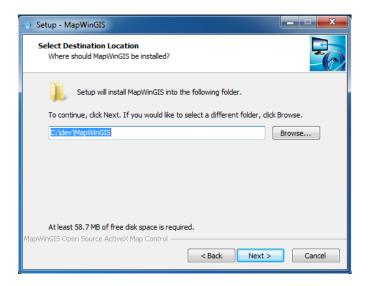
8. Click "I accept the agreement" and click Next.

🧠 Setup - MapWinGIS
License Agreement Please read the following important information before continuing.
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
MapWinGIS is Open Source under the Mozilla Public 🔺 License.
For legal purposes, the following license applies to any software code or binary downloaded from the MapWindow web site or included in this installation, unless otherwise specified. This open source license is commonly called the Mozilla Public License and was developed by
MapWinGIS Open Source ActiveX Map Control

9. Click Next again.



10. On the Destination Location screen, you can specify a folder to install to, or install in the recommended folder. (Choose to create it if it doesn't exist) Click Next once you have selected the folder to install to.



11. Leave the checkboxes marked for the components to be installed, then click Next.

Select Components Which components should be installed?	
Select the components you want to install; clear the components you	ou do not want to
install. Click Next when you are ready to continue.	
Core files for MapWinGIS Add NetCDF support	52.8 MB 0.3 MB
Add NetCDP support	0.3 MB
Add LCW & JPEG2000 support	0.4 MB
Small demo application to showcase the new features	1.8 MB
Current selection requires at least 61.1 MB of disk space.	

12. Click Install.

-> Setup - MapWinGIS		X
Ready to Install Setup is now ready to begin installing MapWinGIS on your computer.	Ç	
Click Install to continue with the installation, or click Back if you want to review o change any settings.	r	
Destination location: C:\dev\MapWinGIS	*	
Setup type: Full installation		
Selected components: Core files for MapWinGIS Add NetCDF support Add ECW & JPEG2000 support Add MrSID support Small demo application to showcase the new features		
•	Þ	
MapWinGIS Open Source ActiveX Map Control	Cance	el

13. At the end of the installation, uncheck all of the boxes and click Finish.

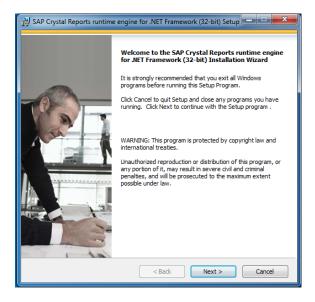
Setup - MapWinGIS	
	Completing the MapWinGIS Setup Wizard
	Setup has finished installing MapWinGIS on your computer. Click Finish to exit Setup. Start MapWindowLite, the demo application Go to the online documentation Read about the future of MapWinGIS/MapWindow v5 Read about the changes in this version
	Finish

Important Note: If you do not uncheck these boxes, you will open some unnecessary files that will need to be closed.

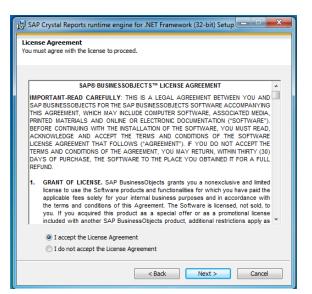
14. Crystal Reports is the second component that will install.



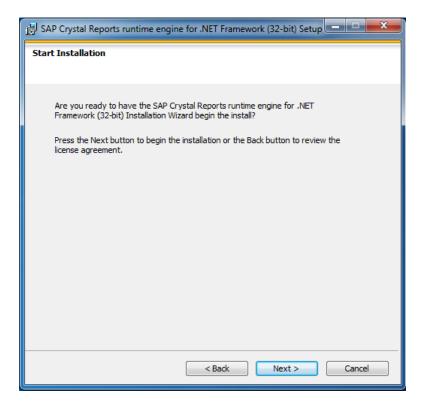
15. Click Next on the initial setup screen.



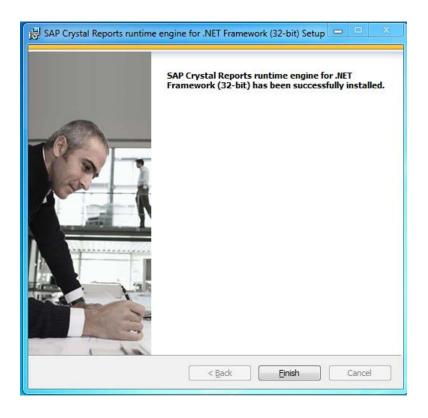
16. Click "I accept the License Agreement" then click Next.



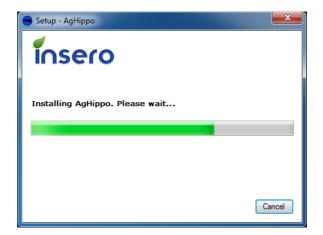
17. Click Next on the Start Installation screen. Several files will install at this point.



18. After the files have been installed, click Finish to complete the Crystal Reports installation.



19. AgHippo is the third component that will install.



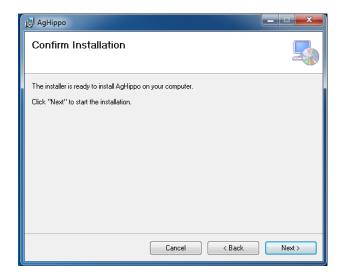
20. Click Next on the Setup Wizard screen.



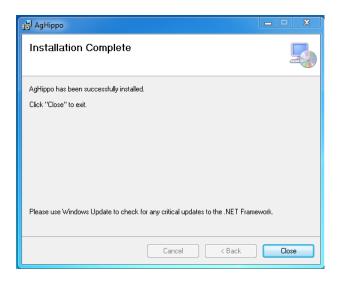
21. Install AgHippo in the recommended folder and click Next.

岗 AgHippo	- • X
Select Installation Folder	
The installer will install AgHippo to the following folder. To install in this folder, click "Next". To install to a different folder, enter it below	or click "Browse".
Eolder: C:\Program Files\Insero\AgHippo\	Browse Disk Cost
Install AgHippo for yourself, or for anyone who uses this computer: E veryone Just me	
Cancel < Back	Next >

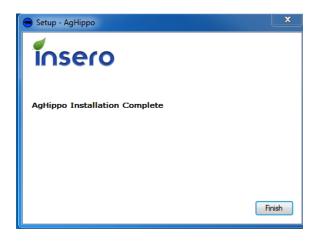
22. Click Next again on the Confirm Installation screen.



23. Once AgHippo has finished installing, click Close on the Installation Complete window.



24. Click Finish on the Insero logo window.



The entire software package installation is now complete.

Π. **Retrieving Logs**

1. Allow 15 seconds for the AgOtter to complete its power up cycle, then on your Apple device, go to Settings -> Wi-Fi. (See: Figure 1)

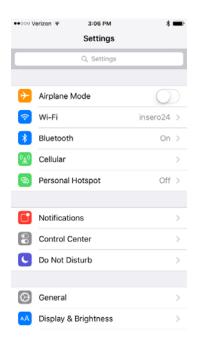
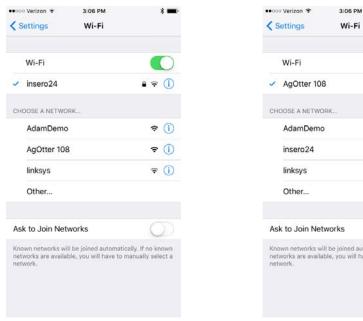


Figure 1: iOS Settings Screen

2. Choose the Wi-Fi network that matches the serial number of the AgOtter controller and tap its name. (in this example, AgOtter 108) Once you're connected, a check mark will appear next to the Wi-Fi network.

(See: Figure 2, Figure 3)

Important Note: You will not have internet connectivity while connected to the AgOtter Wi-Fi.



 AgOtter 108 CHOOSE A NETWORK 	ş (
CHOOSE A NETWORK	
AdamDemo	≈ (
insero24	• ≈ (
linksys	÷ (j
Other	
Ask to Join Networks	O
Known networks will be joined automatic networks are available, you will have to r network.	

* 💼

Figure 2: Connected to Normal Wi-Fi

3. Open the AgOtter app and connect to the AgOtter controller. Once connected, the home screen will show a WiFi symbol. If it connects correctly it should be highlighted green.

Important Note: If the WiFi logo is red or missing, there is a problem with the WiFi connection. Refer to Appendix C: General Troubleshooting.



Wi-Fi Connected

4. Tap on the Logs menu to view logs available for download.



Figure 4: Logs Menu

5. Tap on the log file you want to download. The log file will start transferring, and when finished will have a Checkmark icon next to it.

•∞∞ Verizon 중 9:4 <mark>〈 Back</mark>	54 AM * T Settings	••∘∘∘ Verizon <> 9: 	54 AM ¥■ Settings
Currently recording 00000069.log	New Log	Currently recording 0000069.log	New Log
	Fi Connected		Fi Connected
Downloading Note: Logging and int paused while connec		File Downloa Note: Logging and ir paused while connec	
233_0065	11.41 MB Download	1233_0065	11.41 MB Download
233_0044	72.6 KB Download	1233_0044	72.6 KB Download
233_0022	1.84 MB	21.6 g/a (20.9R/22.3L) Ta 1233-1706200414 _{Date} 1511 gal	rrget:25 g/a 1.84 MB
233 0026	110 2 KR	1233 0026	110 2 KR

Log File Downloading

Log File Download Complete

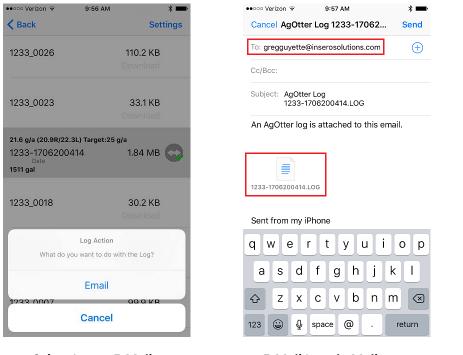
6. Disconnect from the AgOtter Wi-Fi by either connecting to another Wi-Fi network (See: Figures 1, 2, 3) or tap the Wi-Fi slider button off. (See: Figure 5)

9:55 AM	* 💼
Wi-Fi	
	\bigcirc
y is improved when Wi	-Fi is turned on.
	Wi-Fi

Figure 5: Wi-Fi slider OFF

Important Note: You will have to disconnect from the AgOtter Wi-Fi to re-enable internet access to be able to e-mail log files.

7. Reconnect to the AgOtter app and go to the Logs menu. (See: Figure 4) Tap on a downloaded log file and the Mail app will come up with the log attached to a mail message. Enter an e-mail address and press send to e-mail the log.



Select Log to E-Mail

E-Mail Log via Mail app

Important Note: The Mail app will need to be configured with an e-mail account before you're able to send logs. See Appendix B: Setting up Apple Device

8. On your PC with AgHippo installed, download the .LOG files via your e-mail client and save them to your AgHippo Logs folder. (Default location is C:\AgHippo\Logs)

	AgOtter Log 1233-1706200414.LOG
	to me . An AgOtter log is attached to this email.
1207-1705070907.LOG 806 KB	Sent from my iPhone
An AgOtter log is attached to this email.	1233-1706200414
E-Mail log attachment via Outlook	E-Mail log attachment via Gmail

III. AgHippo Operation

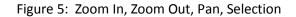
 Open a log file by going to File -> Open -> Log, then select a log file to open. (Default location is C:\AgHippo\Logs)

					 Insero s AgHippo 				
					😑 Open Log File				×
😑 Iı	nsero's AgH	lippo			Computer	r 🕨 Local Disk (C:) 🕨 AgHippo 🕨 Logs	•	✓ Search Logs	٩
Fil	e View	Map	Settings H	elp	Organize 🔻 New folde	r			····
	e view	Iviap	i settings n	eib	🔆 Favorites	Name	Date modified	Туре	Size
-	New	•	I A		Desktop	00000007.log	7/21/2017 2:29 PM	wrifile	1,108 KB
-		-			Downloads	1247-1707110305.log	7/12/2017 10:14 AM	wrifile	2,450 KB
	Open	•	Log		📃 Recent Places				
	Print		Shapefile		E Libraries				
	Save	•	Boundary	File	Music Pictures				
	Save As	•			Videos				
	Close	•			🔞 Homegroup				
	Close				1 Computer				
_			-		Local Disk (C:)				
					File na	me: 1247-1707110305.log		▼ log files (*.log)) –
	2 ↓ 🖾							Open	Cancel
		0			-	Soloot Log Fil	a ta Onan		
		Ope	en Log File			Select Log Fil	e to Open		

Important Note: Larger log files will take some time to load.

2. The highlighted tools in Figure 5 are the most commonly used functions: Zoom In, Zoom Out, Pan, Selection.

😑 Insero's AgHippo					
File	View	Map			
\$ Q	0	\mathbf{k}	P		



i. Zoom In / Zoom Out - To zoom in on a portion of a field, click the Zoom In icon. (magnifying glass with plus icon) Your mouse icon will change to a magnifying glass with plus icon. Click on the part of the field you want to zoom in on. To zoom out on a portion of the field, click the Zoom Out icon. (magnifying glass with minus icon) Your mouse icon will change to a magnifying glass with minus icon. Click on the part of the field you want to zoom out on.

Important Note: The Zoom tool is helpful for boxing off a specific part of a field to analyze.

- ii. Panning To reposition the map, select the Pan icon. (hand icon) Your mouse icon will change to an icon with four arrows. Hold the left click button on the mouse while moving the mouse to drag the map around to a different location.
- iii. Selection To view specific path points on the map, select the Selection icon. (normal mouse icon) Your mouse icon will change into an icon with a pointing finger. Hover the icon over a specific point on the map to get detailed information about that point.

 Paths and Swaths – Paths and Swaths can be toggled on or off to show each separately or together. (See: Figure 6) They are drawn on the map in one second intervals. The selection boxes are in the upper left portion of AgHippo.

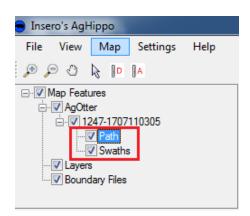
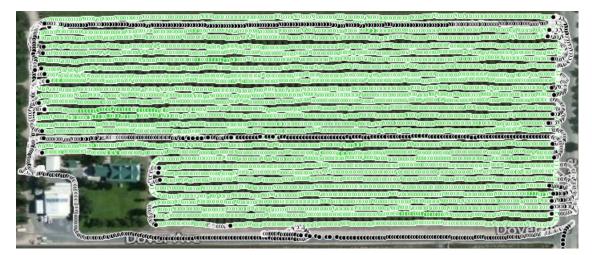


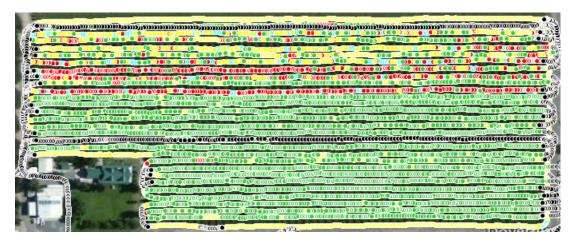
Figure 6: Path and Swath selection

4. Paths – Paths are points that show the path in which the sprayer is moving.



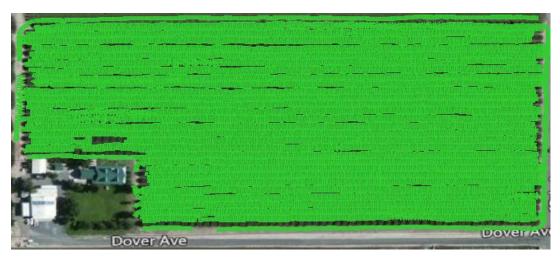
Path Only Selection

- 5. Path Color Coding Different colors represent different statuses along the sprayer's path.
 - i. Black No Flow/Spray
 - ii. Green Rate or Speed is within target parameters
 - iii. Yellow Rate or Speed is outside (below) target parameters
 - iv. Red Rate or Speed is outside (above) target parameters
 - v. Blue With 2 Meter systems, Rate is outside target parameters (one side is too high and the other side is too low)

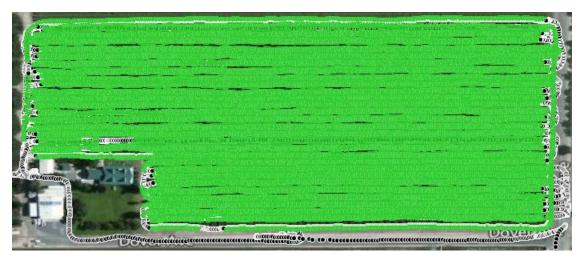


Example of Path Color Coding

6. Swaths – Swaths show areas where spray has been applied. The width of the area on the screen is equal to the swath width that is set for that particular log in the AgOtter app. Swaths will always be green.



Swath Only Selection



Path and Swath Selection

- 7. Data Review On the left side in the AgHippo sofware, there is a section to review the spray data for a log file. This is broken down into two main categories: Summary and Track Detail. You can also change your view options for Speed or Flow based on the Alerts you've specified. (AlertViewOptions)
- 8. Summary This displays the overall data for the open log file.

⊿	Summary	
\triangleright	Alerts	Info
	AlertViewOptions	Min/Max Speed
	Amount	1680.6 G
	AreaTreated	17.2 Acres
	AvgAppRate	98.5
	AvgFlowRate	9.6
	AvgSpraySpeed	2.4
	Chemical	
	Driver	
	Duration	05:28:29
	Field	
	JobName	
	MachineName	
	Other	
	SerialNumber	0
	Start	01/29/2016 19:26:03.000
	TargetRate	100.0 GPA
	TimeSprayed	02:54:18
	Title	AgOtter Log Summary

Log Summary

9. Track Detail – This displays second to second data for selected points in the log file.

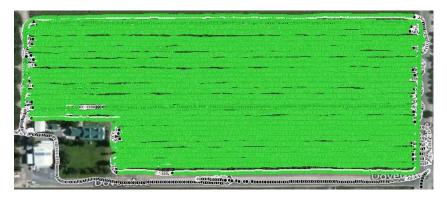
5

Track Detail

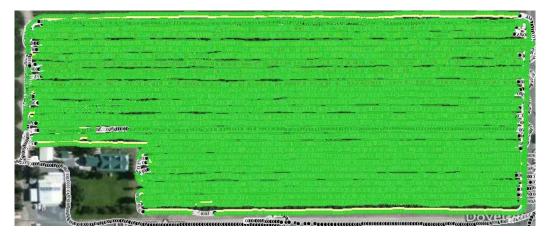
10. AlertViewOptions – Path color coding will change based on the option selected. (Min/Max Speed, Min/Max Flow, No Alerts) You can also change your Alert Settings in this menu.

AlertViewOptions	Min/Max Speed 🛛 💂
Amount	Min/Max Speed
AreaTreated	Min/Max Flow
AvgAppRate	No Alerts
AvgFlowRate	Change Settings
A C C I	

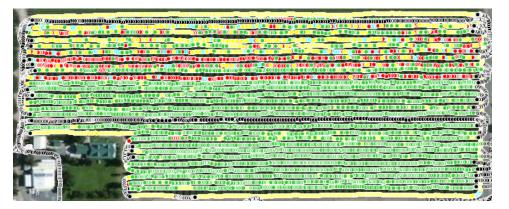
AlertViewOptions



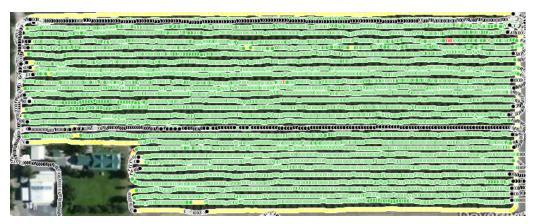
Alert View Option: Min/Max Speed



Alert View Option: Min/Max Flow (10%) (Swath Enabled)

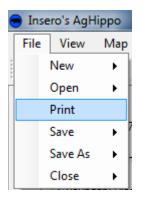


Alert View Options: Min/Max Flow (Over/Under Flow @ 10%) (Swath Disabled)



Alert View Options: (Over/Under Flow @ 20%) (Swath Disabled)

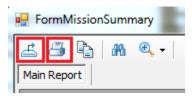
11. Printing – A printable summary report can be generated by going to File -> Print.



Print Menu

Important Note: It may take some time for this to generate based on the size of the log file

12. The report that is generated will display pertinent information about the job, a map of the area sprayed, and a legend showing the different alarms with the associated color codes. This summary can be printed (second icon with a printer) and/or saved as multiple document formats for later use. (first icon with a box and arrow)



Crystal Reports Icons

AgOtter Log Summary

00000007 Filename: Date: 01/29/16 Start Time 19:26:03 05:28:29 Duration: Spray Time: 02:54:18 Machine: Serial Number: 0 Driver: Job Name:

Product:	
Amount Applied:	1680.6 G
Avg Flow Rate:	9.6 GPM
App Rate - Left:	105.6 GPA
App Rate - Right:	92.1 GPA
App Rate - Both:	98.5 GPA
Avg Spray Speed:	2.4 MPH
Area:	17.2 Acres
Other:	

Field:



No Alarms	Speed Alarms	Flow Alarms
Spray On	Spray On	Spray On
 Spray Off 	 Spray Off 	 Spray Off
	Over Speed	Over Flow
	Under Speed	Under Flow
		Over/Under

Map Legend Alarm Type:

Change Settings 100.0 GPA

7/24/2017

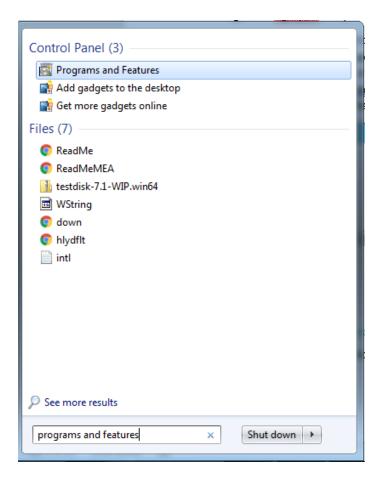
Crystal Reports Print Log Summary

Target:

Appendix A: AgHippo Uninstallation

If you have a previous version of AgHippo installed, it will need to be uninstalled before installing the most current version. The following steps show the uninstallation process.

1. Click the Windows button, type Programs and Features, then press Enter. (Screenshots taken from Windows 7, will appear differently on Windows 10.)



Programs and Features

2. Locate AgHippo in the list, click on it, then click Uninstall above. The AgHippo program will be removed.

	Control Panel Home	Uninstall or change a program					
(View installed updates Turn Windows features on or off	To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.					
		Organize 👻 Uninstall Change Repair					
		Name	Publisher	Installed On	Size	Version	
		Our Uninstall this program.	BitTorrent Inc.	5/25/2017		3.5.0.43804	
		Ez 7-Zip 16.04	Igor Pavlov	1/5/2017	3.46 MB	16.04	
		人 Adobe Acrobat DC (2015)	Adobe Systems Incorporated	4/14/2017	3.57 GB	15.006.30306	
		🗡 Adobe Acrobat Reader DC	Adobe Systems Incorporated	7/13/2017	269 MB	17.009.20058	
		E AgHippo	Insero	7/20/2017	42.5 MB	1.0.0	

Uninstall AgHippo

3. Refer back to Section I., Step #3 to continue the installation process.

Appendix B: Setting Up Apple Device

To ensure that you receive AgOtter app updates and have the ability to e-mail logs, you will need to set up your Apple ID and E-Mail accounts on your Apple device.

I. Update your Apple ID

An Apple ID is required to update the App. We delete our AgOtter Apple ID from the iPad upon shipment of the AgOtter so that our account is not left on the iPad when you receive it. This means you need to set up your own Apple ID for your iPad(s). You can use the same Apple ID for all iPads if you so choose.

To setup your Apple ID:

- 1. In the Settings app, go into menu item "iTunes & App Store"
- 2. Press "Sign In"
- 3. Enter your Apple ID credentials
 - OR

Create an Apple ID (go to iTunes Store, scroll to the bottom, press Sign In and then Create New Account)

II. Update your iPad e-mail

An e-mail is required to send logs from any Apple device. We delete our AgOtter e-mail account upon shipment of the AgOtter so that it is not mixed up with your data. This means that you need to assign an e-mail account to the iPad. We suggest that you create a new e-mail account that is dedicated for AgOtter logs, but you can use any existing e-mail account. Just keep in mind that this iPad will have access to that e-mail account. You can use the same e-mail for all Apple iPads.

To setup your e-mail on your Apple device:

- 1. In the Settings app, go into menu item "Mail".
- 2. Press "Accounts"
- 3. Choose your e-mail provider to enter login credentials OR

Create a new e-mail account dedicated to AgOtter logs. (e.g. for Gmail, go to <u>www.google.com</u> and press Gmail in the upper right corner (right click your ID and Sign Out if you are already logged into a different account)

Appendix C: General Troubleshooting

I. WiFi troubleshooting

If the icon has a red line through it as shown

one of four things may be the cause:

- 1. You did not connect to the AgOtter Wi-Fi in Settings -> Wi-Fi
- 2. You connected to the Wi-Fi of a different AgOtter
- 3. You are out of range of the AgOtter
- 4. Your iOS may have automattically switched back to your internet router