

Product Bulletin

GreenSeeker Handheld: Using New Bluetooth Logging Capabilities

The latest release of the GreenSeeker® Handheld Crop Sensor provides new Bluetooth logging capabilities.

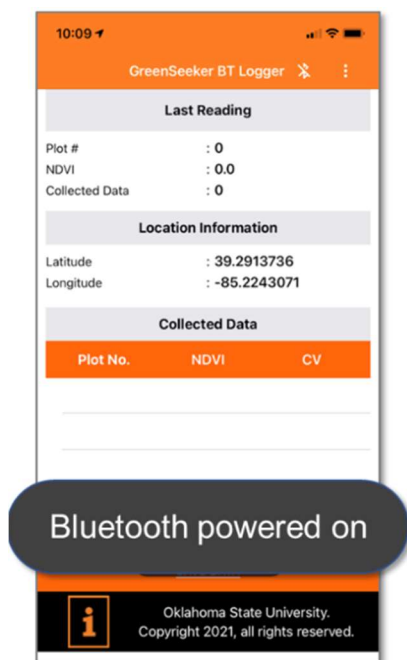
This bulletin describes the process for connecting the GreenSeeker to a phone via mobile app.

Connecting your Mobile Device to the GreenSeeker Handheld

1. Download the GreenSeeker BT Logger app onto your smartphone from the Google Play or Apple App store.

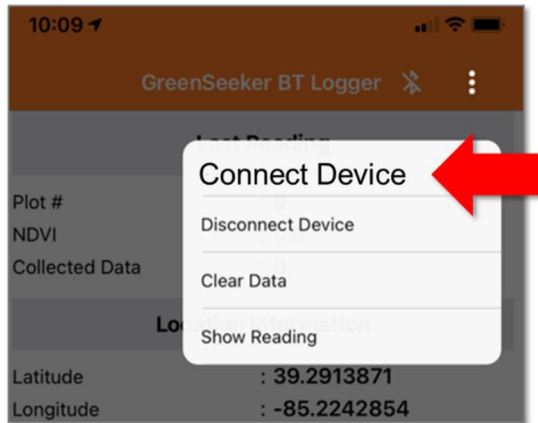
Note: Simply trying to connect the GreenSeeker device to your smartphone's Bluetooth will not allow the device to connect. You must download an app specifically developed to interface with the GreenSeeker and connect to Bluetooth through the app in order to utilize the Bluetooth logging capabilities.

2. Open the app to view the following screen:

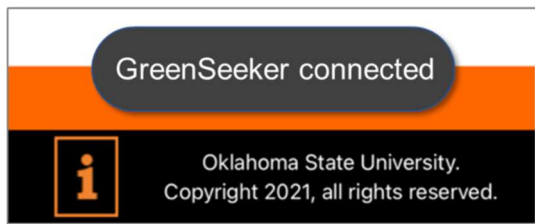


Note: The screen should read **Bluetooth powered on** at the bottom.

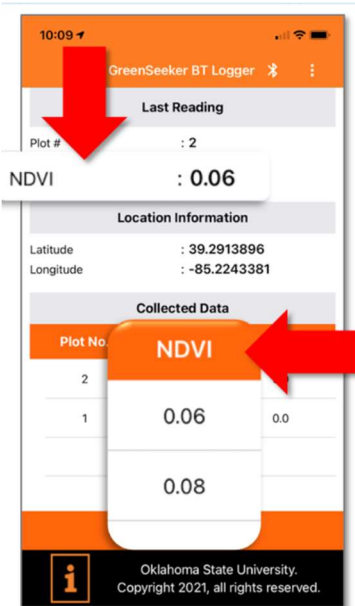
3. Press the three dots icon in the top right corner of the screen. Then, hold or pull the trigger on the GreenSeeker handheld to wake it up. Next, press Connect Device on your smartphone:



A GreenSeeker connected message will appear at the bottom of the screen:



4. Once connected, pulling the trigger will send NDVI values to the app, as shown below:



Note: A message will appear at the bottom of the screen if the GreenSeeker unit is being held too close to the crop.

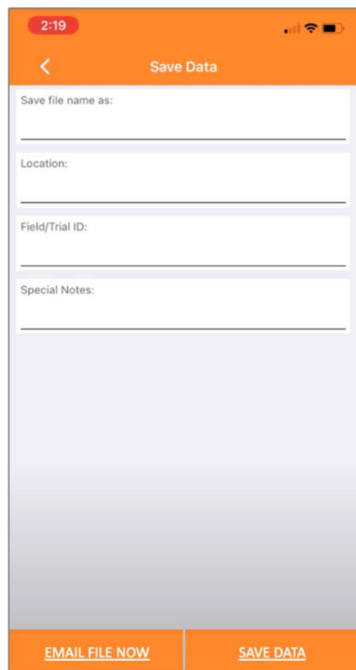
5. Once the NDVI values have been collected on the app, the data can then be saved, viewed, downloaded, and shared.

Saving and Viewing the Data

To save the data, press Save Data at the bottom of the screen.

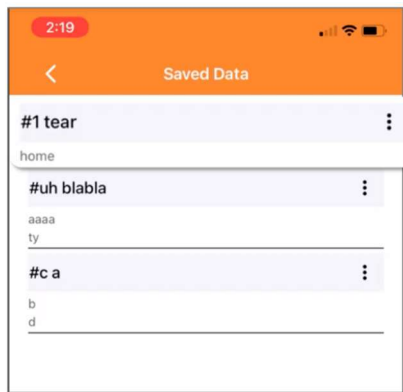


This will bring up the window pictured below. Enter in the details you would like to save for the data set.



Press Save Data at the bottom of the screen to save the values.

This will take the user to the list of saved data values. Press one of the data sets to view the readings.



The data will appear on the screen:

2:19

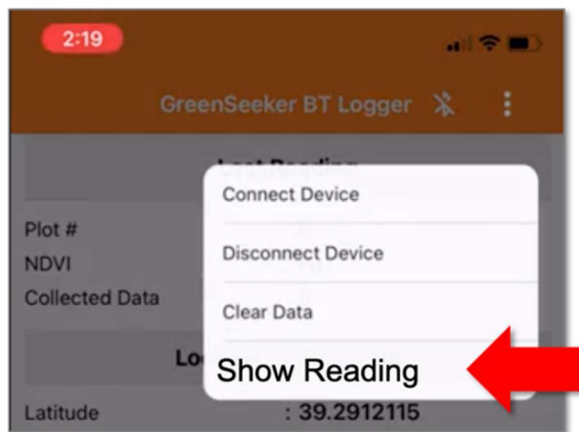
< a

Plot Number #1	
Time(ms): 405	Sample Taken: 1
Latitude: 39.2914096	Longitude: -85.2243523
GPS Time: 10:23:33.033	
NDVI	CV
0.02	0.0

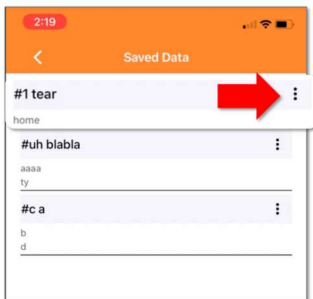
Plot Number #2	
Time(ms): 335	Sample Taken: 1
Latitude: 39.291407	Longitude: -85.2243515
GPS Time: 10:23:34.000	
NDVI	CV
0.0	0.0
Plot Number #3	
---	---
Time(ms): 685	Sample Taken: 1
Latitude: 39.2913932	Longitude: -85.2243445
GPS Time: 10:23:34.999	
NDVI	CV
0.02	0.0

Sharing the Data

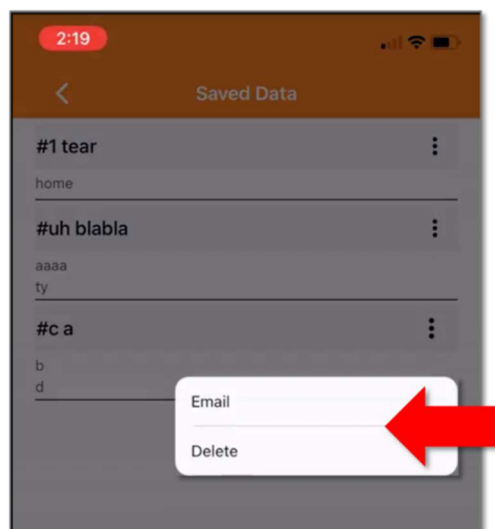
The GreenSeeker logging data can also be viewed and shared by pressing the three dots icon from the main screen and pressing Show Reading from the dropdown menu.



This will bring up the saved data screen. Press the three dots icon next to the data set you wish to share:




Press Delete to remove the data set, or Email to send the data.



When selecting Email, an email message with the csv file should autogenerate.

[Cancel](#)


Trimble data for #field-c location b


To:

Cc/Bcc:

Subject: Trimble data for #field-c location b

d



a

331 bytes

The file can then be sent to the desired email address, and downloaded onto a computer, tablet, or phone.

Note: The app will notify the user once the email has successfully been sent.

The data will be downloaded as a csv file, containing the following information for the averaged sample:

Test 2							
GPS Time	Latitude	Longitude	Time(ms)	Plot Number	Sample Count	NDVI	Coefficient of Variance
01-25-2022 16:34:56:395	40.5738	-104.60073	574	1	1	0.22	0.00
01-25-2022 16:35:15:907	40.573803	-104.60073	567	2	1	0.37	0.00
01-25-2022 16:35:55:933	40.573814	-104.60074	17224	3	29	0.23	0.46

Troubleshooting

If the GreenSeeker Handheld Bluetooth won't connect, try removing the battery; replace the battery and reboot the device before trying to reconnect to the Bluetooth again.

For details on removing and replacing the battery, please refer to page 6 of the GreenSeeker Handheld Crop Sensor Quick Reference Card.

If the GreenSeeker BT Logger app is not available in your region, please contact Trimble Ag Support for assistance.

Please also note that Trimble is working with OSU to provide additional translations for the Bluetooth Logging App.