

# SprayLogger™

## FAQ

1) **How does SprayLogger work?**

The moment that flow is detected through the flow sensor (spray with a wand or a boom), the SprayLogger data recorder captures your GPS location, the name(s) of the pests you are controlling, and temperature. Other data may also be collected. All the data logged in SprayLogger is associated with a work order form.

2) **What happens to my data?**

All of your data is stored in the SprayLogger recorder while the unit is in the field. When you are ready, SprayLogger is connected to a computer with an Internet connection to store the data. Your secure Internet connection allows you to sort through your data and export it to your own local database or view it on Google Earth.

3) **How much data will SprayLogger capture?**

SprayLogger's on board storage stores almost 15 hours of continuously logged data. This is usually means that 1 – 2 weeks' worth of data can be stored at one time.

4) **Can SprayLogger handle the water, chemical, dust, vibration environment I work in?**

SprayLogger is designed to work in the work environment spray applicators are faced with daily. This includes vibration from ATV units, dust, chemical sprays, and light rain showers. Some parts of the unit require reasonable care. For instance, SprayLogger is not designed to be submerged and the flow sensor cannot be allowed to freeze. The keyboard should also be reasonably protected from extreme condition to assure smooth operation.

5) **How many pests or weeds can I log at one time?**

SprayLogger can log up to 3 weeds or pests simultaneously. Most of the time you will find that you are controlling 1-3 types of pests at any given time. Adding or subtracting pests from your control list is quick and easy with the SprayLogger keyboard. Keystrokes are limited to assure accurate data collection without slowing you down.

6) **I want to use my existing GPS unit so I can see my tracks as I spray. Is there a way I can connect this to SprayLogger?**

Yes. GPS units with NMEA output are supported with SprayLogger. When connected to SprayLogger, your GPS becomes the source for x,y location collection.

7) **Can SprayLogger be used on more than one spray rig?**

Yes. The SprayLogger box can be set up to collect data from a different spray rig as long as that unit has the same type of flow meter. SprayLogger is internally calibrated to work with either a low volume or high volume flow meter that is delivered with the unit.

8) **I need to calculate area. Will SprayLogger calculate acres for me?**

SprayLogger data may be imported into ArcGIS software where sprayed locations can be easily visualized and spray boundaries mapped with acreage calculations. For users of ArcGIS software, instructions are provided.

9) **What flow rates will SprayLogger capture?**

The standard flow sensor provided with SprayLogger captures flow rates from 0.6 to 9.0 gallons per minute. If your flow will be higher, contact us. Larger flow sensors (i.e. 0.6 to 240 GPM) are available.

10) **Does SprayLogger require logging into a web service hosted by AgTerra?**

Yes. Currently, the web service is the only way that NMEA data from the GPS is translated to a geographic coordinate system and linked with attributes. The web application provides users with the ability to set up the data collection parameters they need for SprayLogger and the ability to export the data to their own database system, ArcGIS software and Google Earth or any other GIS software that accepts shapefile or KML format. The system also allows an administrator to provide rights based login access to the data. Web service applications and data hosting are maintained with an annual maintenance agreement.

11) **Do I need an Internet connection in the field?**

No. Data collected from the GPS, flow and temperature sensors and keypad entries are stored in SprayLogger until it is downloaded to a computer. This data is then uploaded to the SprayLogger website for permanent storage. There it is only accessible to users with permission to access the data.

12) **What do I get with my annual maintenance agreement?**

The annual maintenance fee, which is included the first year, provides permanent and secure access to the user's data. The maintenance program includes automatic updates and upgrades to the software, critical hardware fixes (if any), technical support, data backup and warehousing and security. Unlimited users are supported under the maintenance agreement for a single business location. An additional benefit includes maintenance and inspection on the core datalogger unit; provided at no charge (not including shipping to AgTerra) every 1000 hours. The maintenance agreement is priced according to the number of flow meters/sensors being used for data collection:

- 1-3 Flow Meters: \$ 995 annually
- 3-7: Flow Meters: \$ 1495 annually
- Greater than 7 Flow Meters: \$ 1995 annually

