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## AgGPS EZ-Map version 6.0 software and the Recon handheld

### What is the AgGPS EZ-Map software?

The AgGPS® EZ-Map software for the Recon® handheld is easy to use, low cost mapping and sampling software. It is suitable for a wide range of agricultural users, including growers, custom applicators for spreading, spraying, planting of crops, soil sampling, laying of irrigation tile, and tree or vine planting. Using it with a high accuracy GPS receiver, growers and contractors can use this in topographic mapping. Because of the automated record keeping and simple to set up data dictionaries, AgGPS EZ-Map software can also be used for quality assurance.

### What are the benefits of the AgGPS EZ-Map software?

There are many benefits to using the AgGPS EZ-Map software including:

- **Increased crop yields and reduced application costs** – coverage logging lets you identify skips and overlaps in coverage and remedy before leaving the field reduces crop damage and avoids costly call-backs
- **Records of crops and applications** – provides operation traceability, quality assurance and data for environmental reporting

### What is the Recon handheld?

The Recon handheld is an easy-to-use rugged field computer. It exceeds military specifications for drop, vibration, immersion, and operating temperatures.

The Recon handheld has Pocket Word, Pocket Excel, and Pocket Outlook® already installed. Pocket Outlook lets you synchronize e-mails, contacts, appointments, and data with your office computer, so whether you're in the office or in the field, you're always up to date.

### Can the Recon handheld be run from the vehicle power supply?

The Recon handheld runs off an internal battery that can provide enough power to operate the unit all day. You can also connect the Recon handheld to the vehicle cigarette lighter to charge the battery while you are using the AgGPS EZ-Map software. The vehicle charging cable is standard with the AgGPS EZ-Map software and Recon handheld bundled system.

Trimble Navigation Limited, Agriculture Division, 7401 Church Ranch Blvd, Westminster, CO 80021, USA

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## **Can I use AgGPS EZ-Map version 6.0 software on a Windows Mobile-based device other than the Recon handheld?**

The AgGPS EZ-Map version 6.0 software provides reliable performance on the Recon handheld operating with the Microsoft® Windows Mobile® 2003 software for Pocket PC. AgGPS EZ-Map version 6.0 is not guaranteed to work reliably on Windows Mobile-based devices from other manufacturers. If you want to use a Windows Mobile-based device other than the Recon handheld, Trimble recommends using AgGPS EZ-Map version 4.0 software.

## **What GPS receivers can be used with the AgGPS EZ-Map software?**

AgGPS EZ-Map software works with Trimble's entire range of AgGPS receivers, including the AgGPS EZ-Guide® Plus lightbar guidance system, the AgGPS 252 and AgGPS 332 receivers, when you need the highest possible accuracy and reliability.

It can also work with any GPS receiver or guidance system that outputs the standard NMEA GGA data format.

## **How does the AgGPS EZ-Map software assist with field location?**

AgGPS EZ-Map software displays background layers in ESRI Shapefile WGS-84 latitudes and longitudes format or images in JPEG or BMP formats to assist you to locate the required fields.

## **What field mapping can I perform with the AgGPS EZ-Map software?**

AgGPS EZ-Map software lets you easily define field boundaries. You can return to these fields for subsequent operations to minimize field traffic and soil compaction.

The software easily maps points, lines, or area features (e.g., changes in crop variety, herbicide applications, hazards, tiles, weeds). While you perform a field operation, a simple press of a button, displays an appropriate feature icon on the map display, then you simply select from a list of supplied point, line, and area icons or line and fill styles, or customize your own. You can also create your own feature mapping data dictionaries for recording feature attributes.

AgGPS EZ-Map software also creates coverage logging maps showing field application, planting or cultivation areas. Coverage maps provide proof of the job quality to customers and/or can be used for environmental or other record keeping purposes. This coverage map can be easily printed from the ESRI ArcExplorer software supplied with AgGPS EZ-Map software.

## **How accurate are the field maps I create?**

Field maps created with AgGPS EZ-Map software are as accurate as the GPS receiver you are using. Please refer to your receiver owner's manual for its accuracy specifications.

## **Can field area be calculated?**

Area can be calculated when a field boundary is driven and mapped. Non-productive areas can also be subtracted from the field area. On a typical-sized field, the calculated area is accurate to 99 % or better.

## **How do I use an external switch with the AgGPS EZ-Map software?**

Connect a master sprayer, spreader, or planter switch to the supplied switch adaptor cable to start and stop coverage logging automatically when crop inputs are applied or planted. Therefore, no additional buttons need to be pressed to log the field operation.

## **How can I create reports?**

AgGPS EZ-Map software automates record keeping for each field event, saving time and providing valuable information for general farm records, customer relations, communication with environmental authorities, and GIS data analysis. The software lets you build your own field event data dictionaries to suit your record keeping needs.

All data is stored directly in ESRI Shapefile WGS-84 latitudes and longitudes format for easy integration to a range of GIS packages which lets you view and print customized spray maps and reports. In addition, a simple field report which includes a field screen snap is automatically saved and can be viewed and printed from any web browser.

## **Where is my data saved?**

All information is logged directly into either the internal storage or a removable CompactFlash data card if you have one inserted.

## **How do I transfer data from the Recon handheld to my office computer?**

If you saved data to a CompactFlash data card, you can easily remove this from the Recon handheld and insert into a card reader on your office computer and copy or move files to your office computer using a program such as Microsoft Explorer.

If you saved data to the internal storage, you can use Microsoft ActiveSync to connect to your office computer and then copy or move files to your office computer using a program such as Microsoft Internet Explorer.

## **What office software can I use with the AgGPS EZ-Map software?**

A copy of ESRI ArcExplorer software is provided with the system. This software lets you view and print maps and view attribute data generated by AgGPS EZ-Map. AgGPS EZ-Map data can also be loaded into a range of other GIS packages.