

AgGPS EZ-BOOM 2010 AUTOMATED APPLICATION CONTROL SYSTEM



Cut farm input costs immediately using the AgGPS® EZ-Boom® 2010 automated boom switching and spray rate controller system for your next field application. Using GPS, up to ten boom sections can be automatically turned on and off to avoid overspray and untreated gaps on end rows—resulting in more precise application for all field work and less stress on the operator when navigating headlands, waterways and other demanding driving situations. The AgGPS EZ-Boom 2010 system now also works on planters using Trimble's Tru Count Air Clutches which helps you save on seed.

AUTOMATED BOOM SWITCHES

Ten boom or row sections use GPS positions from the AgGPS EZ-Guide® 500 lightbar, AgGPS EZ-Guide Plus lightbar, AgGPS FieldManager™ display or the AgGPS FmX™ integrated display to automatically detect boom or row sections that need to be turned on or off for precise coverage. The ten switches can also be used for manual control of boom or row sections.



RATE SWITCHES

- The R1 and R2 switches can be set to predefined rates so when changing from one application to another it's just a flick of the switch to change the application rate.
- Using the manual switch holds the current flow independent of speed and the number of open boom sections. This can be used when necessary at the end of rows.
- With the **+** and **-** switch you can increase or decrease the current application rate when your field requires a quick change.

GPS INPUT

The EZ-Boom 2010 system uses GPS to measure the speed and position of the vehicle, which determines the flow rate and the on-off boom switching. As with all Trimble guidance and automated steering systems you simply need to decide the accuracy your farming operation requires.



CONNECTORS

One cable connects the EZ-Boom 2010 system to the EZ-Guide 500 lightbar or the FmX display. Another cable connects the EZ-Boom 2010 system directly to most existing flow meters and valves, so the EZ-Boom system is simple to plug and play into your sprayer system—adding automatic boom switching all in the same box! (See over page for configuration diagrams).



DISPLAY OPTIONS

AgGPS FmX DISPLAY

With the EZ-Boom 2010 system the AgGPS FmX™ integrated display will provide advanced color coded real-time visual feedback of the area you are covering and which booms are currently on and off—all the while logging this as-applied data for later use. Of course, coupled with the Autopilot system, you will get sub-inch automated guidance.



EZ-GUIDE 500 LIGHTBAR

With the EZ-Boom 2010 system you have the option of using the EZ-Guide 500 lightbar to provide real-time coverage logging and as-applied mapping of the field. In addition, a precise summary map showing the applied area is automatically generated for every field worked. The EZ-Guide 500 system will also keep you online with its large color screen and bright LED lightbar, or with hands-free steering connected to the EZ-Steer® assisted steering system.



PRESCRIPTION RATES

When using the FmX display or EZ-Guide 500 lightbar with the VRA option the system will allow farmers to import variable rate prescriptions to use when required and automatically log data, providing as-applied mapping.

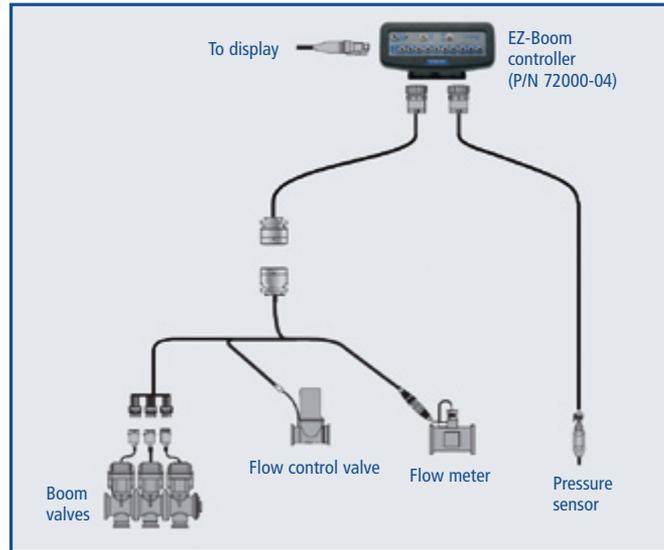


Trimble Agriculture. The line everyone follows.



USING THE EZ-BOOM 2010 SYSTEM AS AN AUTOMATED BOOM SWITCHING AND SPRAY RATE CONTROLLER

In the diagram below the EZ-Boom 2010 system is simply plugged into your existing sprayer harness adding up to ten automatic boom section controls and application rate control using GPS.



USING THE EZ-BOOM 2010 SYSTEM WITH AN EXISTING RATE CONTROLLER

In the diagram below the EZ-Boom 2010 system is connected to both the existing rate controller and the sprayer harness. In this scenario the EZ-Boom system will automatically control the boom sections to avoid overlap, and the existing rate controller will continue to adjust the application rate.

