

TeeJet® ISOBUS

Automatic Rate Control for Pull Type Sprayers

TeeJet Technologies has developed a full featured rate controller that allows pull type sprayers to communicate to ISOBUS-ready tractors. This evolution in sprayer controls delivers a user friendly interface with more visibility of sprayer functions as compared to traditional rate controllers. The TeeJet IC34 is an expandable platform that begins with a full featured rate controller and hydraulic boom fold functions. Review the feature list below and decide how TeeJet ISOBUS can deliver benefits to growers and applicators looking for ISOBUS ready implements.



ISOBUS Flexibility

- Today's tractors are manufactured with ISOBUS connections. This gives growers the flexibility to operate multiple implements with the same tractor on the same interface device. Any ISOBUS-ready tractor can operate a sprayer equipped with an IC34 control system.

Automatic Rate Control

- Automatic rate controls have evolved to a new level with the features and capability of the TeeJet IC34 sprayer Electronic Control Unit (ECU). The accuracy of TeeJet rate control delivers the high performance expected by professional operators.

Switchbox and Joystick

- Boom section and hydraulic boom fold switches can be added by means of a switchbox or the TeeJet IC34 can be controlled with a joystick.

Boom Hydraulics

- Boom hydraulic controls are integrated into the TeeJet ISOBUS system and can be controlled from the Switchbox or by means of a joystick. Boom folding and on-the-go boom height adjustments are also at the applicator's fingertips.

15 Job Memory

- 15 individual job memories allow the operator to store field-specific application records. Information stored includes: Start and End times, elapsed time, sprayed area, sprayed volume, sprayed distance, and maximum speed. Each job memory can be independently reset.

Section Status Indicators

- Up to 10 boom sections are supported. On/off status of each section is graphically displayed on the operating screen.



Pressure Indication

- Pressure can be calculated from flow rates and nozzle size or a pressure transducer can sense the actual pressure in the system.

Droplet Size Indication

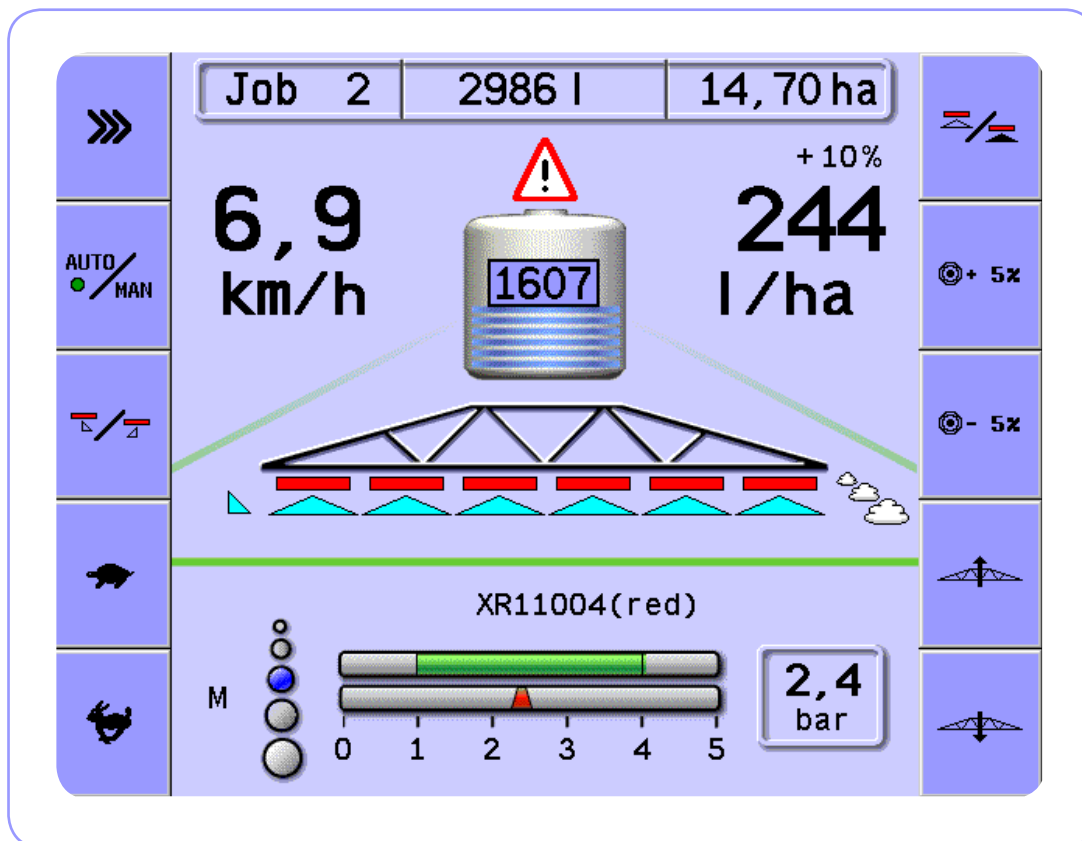
- Droplet size has become a critical application factor, with more chemical labels specifying droplet sizes for effective application. A unique feature of the TeeJet ISOBUS system displays real-time droplet size based on the current nozzle and system pressure. As the sprayer speed and pressure change, the droplet size category is updated.

Nozzle Performance Indication

- Another unique graphic visible to the operator indicates the optimum pressure ranges for a selected nozzle. The combined knowledge of the Nozzle Performance indication and the Droplet Size indication gives the applicator the confidence the sprayer is performing as planned.

Other Features and Upgrades

- *Speed indication* – System can use speed from the ISOBUS or from an implement-specific sensor.
- *Foam marker control* – System can be used to operate foam marker to on/off position.
- *Tank volume* – Calculated value always shows the volume remaining in the tank.
- *Tank fill control* – Optional upgrade allows for automated tank filling operations.
- *Automatic Boom Section Control (future development)* – Will allow for GPS-based boom section control.



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