

# GREENTRONICS

## RITEYIELD - YIELD MONITOR

Collect yield data for root & vegetable crops



*RiteYield integrated with John Deere 2630 display (experimental)  
installed on Spudnik 3-row AirSep harvester, Presque Isle, ME*

**“Easy to operate, great yield maps!”** – Jim Wilson, Soil Essentials, Angus, UK; 2 Row Grimme GT170 harvester

**“Straightforward installation and set-up, great instructions and support,  
very satisfied with this system!”** – Charles Gross, Reardan, WA; 4Row Spudnik 6400 harvester

# RITEYIELD

## Potato Yield Map

### Potato Yield

Dark Green	Above 29.999 ton/ac
Medium Green	25.000 - 29.999 ton/ac
Light Green	20.000 - 24.999 ton/ac
Yellow-Green	15.000 - 19.999 ton/ac
Yellow	10.000 - 14.999 ton/ac
Orange	5.000 - 9.999 ton/ac
Red	1.002 - 4.999 ton/ac

Clifton Lane

*Greentronics RiteYield data from a potato farm in the UK show the central area in the field yielded well below the average for the field. Interestingly, the yield data also clearly identify much lower yields in the compacted strip through the middle. This strip used to be a roadway. All such details are valuable to growers for decisions on a whole range of inputs and field work such as vertical tillage, drainage, fertilizers, lime, weed and disease control, crop selection, and irrigation. Long term results of management decisions can be verified by comparing yield maps over time.*

**"If you can't measure it, you can't manage it."** High value vegetable and root crops require the best of management. To measure the results of short and long term management decisions, yield data are essential. The RiteYield system is specifically designed for root crop and vegetable harvesters.

RiteYield technology from Greentronics makes it possible to install an affordable weighing system in nearly any harvester with a conveyor belt. To calculate yield data, the weight of the crop is measured as it passes over sensors in the conveyor. **Yield data is combined with GPS data to create a complete data file** which is used to generate yield maps.

The RiteYield system is designed with the installer and end-user in mind. It includes just a few components so **installation and set-up can be completed in a short time.** With a few calibration steps and a connection to a GPS receiver, the system is ready to collect yield data. Data are stored on a USB removable flash drive.

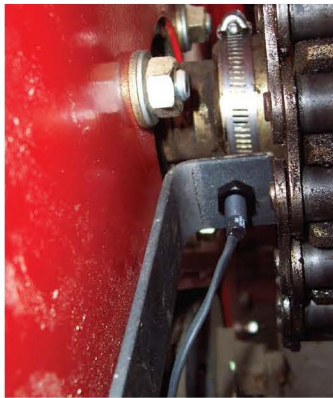
**Integration with Trimble FmX and Ag Leader SMS Mobile is available.** Systems with integration to John Deere Greenstar 2630 displays will be available on a limited basis in 2015. Looking ahead, during 2015/16 it will become possible to establish a live link with RiteYield Controllers via a Greentronics smartphone app to seamlessly stream live data, transfer files and perform system diagnostics. An upgrade path for earlier systems will be available.



**RiteYield** integrated with **John Deere 2630** displaying yield data in real time. Yield data are stored and displayed on the 2630 and may be transferred wirelessly using John Deere technology. The RiteYield console stores a data back-up in a common file format in internal memory for security and diagnostics purposes. Data can be copied at any time to the ruggedized USB flash drive.



Controller with special rugged USB flash drive, sealed keypad and bright display to show harvest data and to navigate the menu system.



Shaft sensor picking up rotation speed from a small magnet clamped to the shaft. To calculate accurate yield data, the system needs to know the conveyor speed as it varies with PTO rpm or oil flow.



Close-up of roller mount in a potato harvester; Load cells are mounted to brackets and support rollers under the belt to weigh crops on the belt.



RiteYield system installed on Spudnik 3-row potato harvester, Alliston, ON, Canada

# FEATURES

- **Collect and display yield data**, as well as individual load weights, and running totals for bins, fields, varieties and test plot areas.
- **Quick calibration.** Tare calibration is very simple and easily repeated as needed.
- **Diagnostics.** Test menus and a special data file on the Controller may be used to assist with set-up and technical support.
- **Adaptable.** This system can be adapted to fit conveyors with belted chain or rubber belts.
- **Durable.** Well-designed components will stand the test of time and require little maintenance.
- **Tilt compensation option.** For operating in hilly fields.
- **Integration with other displays.** The yield monitor can be connected to certain display models from **Trimble** and **AgLeader** and provide a "live" yield map with data management and control on those devices. Limited quantities of systems with integration to **John Deere Greenstar 2630** displays will be available in 2015.
- **Live link - smartphone app.** Moving forward into 2015/16 a live link with **RiteYield Controller** will allow streaming data, file transfer, and remote diagnostics. An upgrade path for earlier systems will be provided.



*RiteYield system installed on Grimme GT170 potato harvester, Angus, UK*

# GREENTRONICS

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or call 519-669-4698 email: [info@greentronics.com](mailto:info@greentronics.com)

## **Ordering Information** **Part Number: YM410-2**

System includes Controller with USB memory stick for data storage, Interface Box, two load cells with mounting brackets, one shaft speed sensor, sufficient wiring to suit most installations, installation and operator's manual. GPS receiver not included. Installation not included and to be arranged by purchaser. This is not a legal-for-trade weighing system. One year limited warranty and technical support via phone, fax, or email.

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