GREENTRONICS

RITEYIELD - YIELD MONITOR

Collect yield data for root & vegetable crops

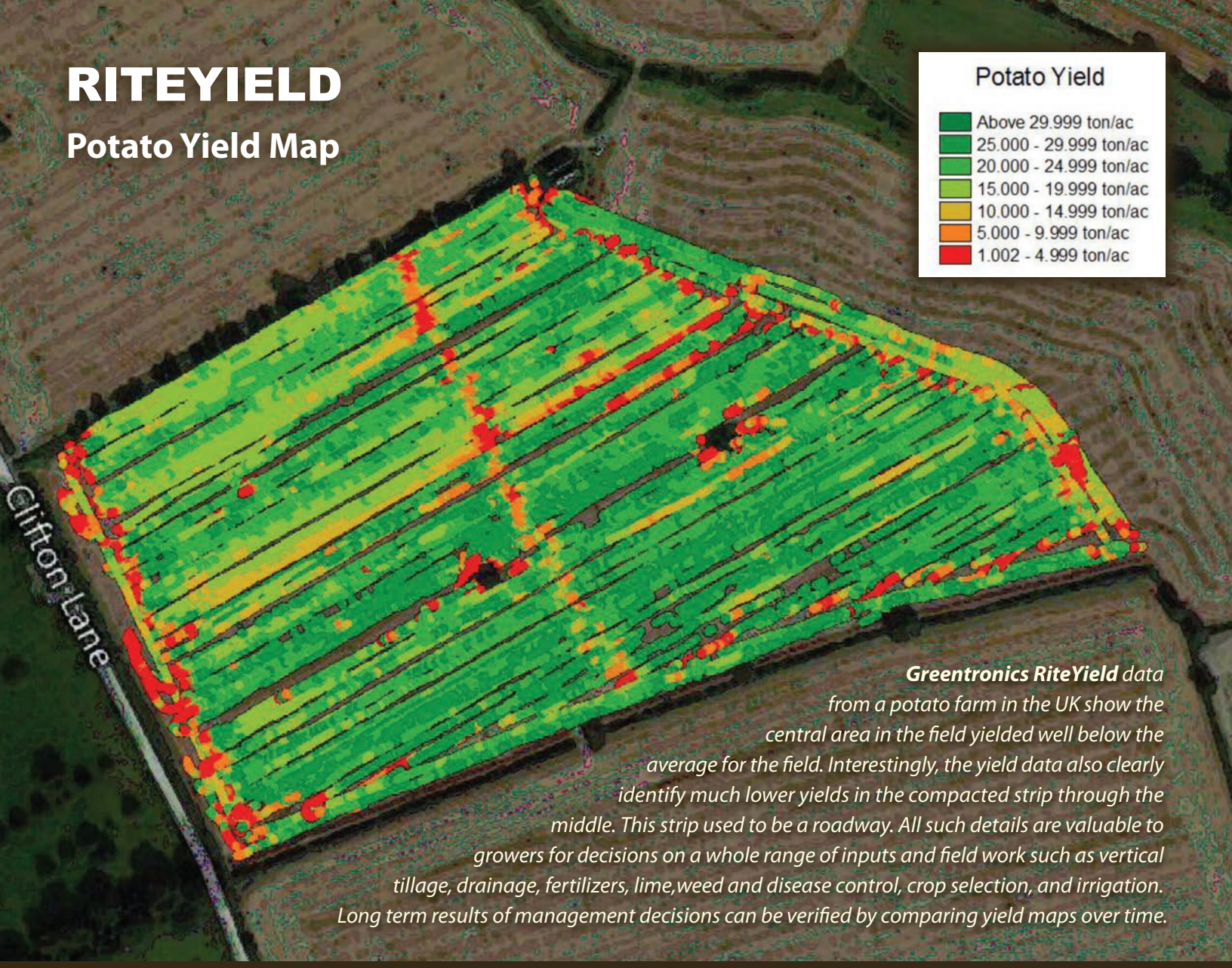
RiteYield integrated with John Deere 2630 display installed on Spudnik 3-row AirSep harvester, Presque Isle, ME

"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



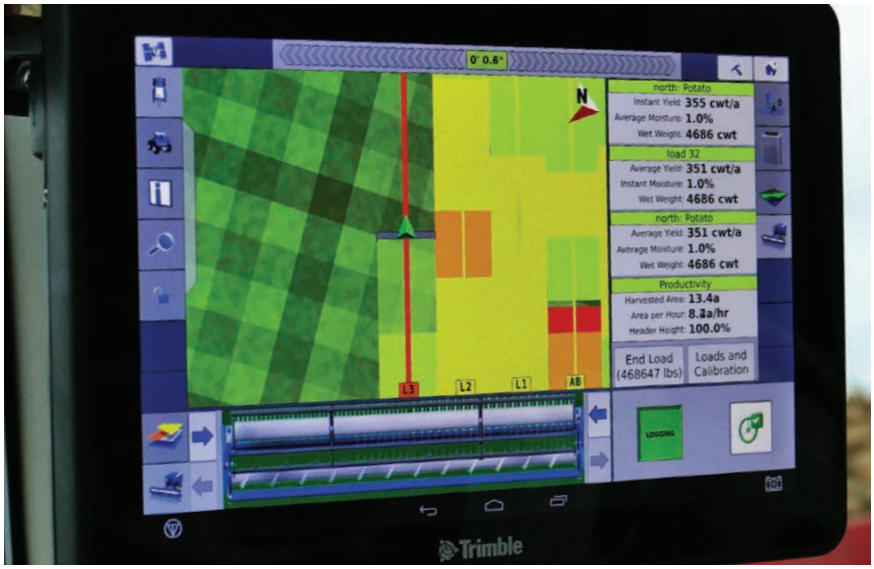
***Greentronics RiteYield** data from a potato farm in the UK show the central area in the field yielded well below the average for the field. Interestingly, the yield data also clearly identify much lower yields in the compacted strip through the middle. This strip used to be a roadway. All such details 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.

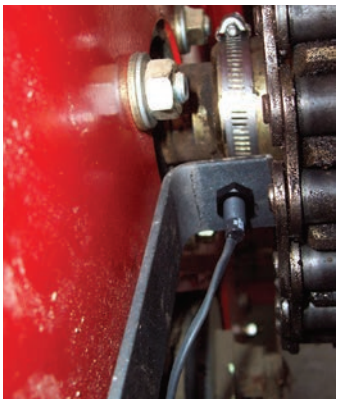
The **RiteYield** system is designed with the installer and end-user in mind. It includes just a few components so ***installation and set-up can be completed in a short time.*** With a few calibration steps and a connection to a GPS receiver, the system is ready to collect yield data. Data are stored on internal memory in CSV format and are easily copied to the on-board USB flash drive for transfer to other devices. Data may be emailed to Greentronics for diagnostics service whenever questions arise about calibrations or performance.

Integration with displays from *John Deere* (e.g. 2630), ***Trimble*** (e.g. FMx & TMx), and ***Ag Leader SMS Mobile*** is optionally available. Operators can view yield and coverage maps in real time. Some systems provide wireless data transmission.

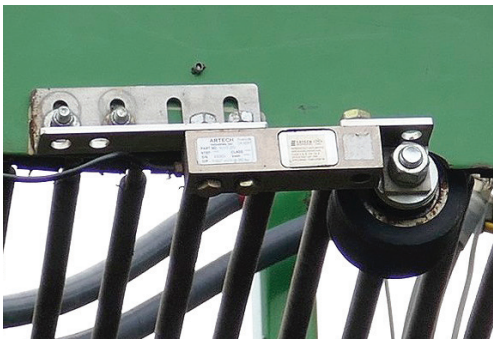


RiteYield *integrated with* ***Trimble TM2050*** *and displaying live yield map and related data. Yield data are stored on and can be transmitted by the TM2050. The RiteYield console securely stores a complete data back-up on internal memory. System installed on Spudnik harvester.*

Console with ruggedized 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.



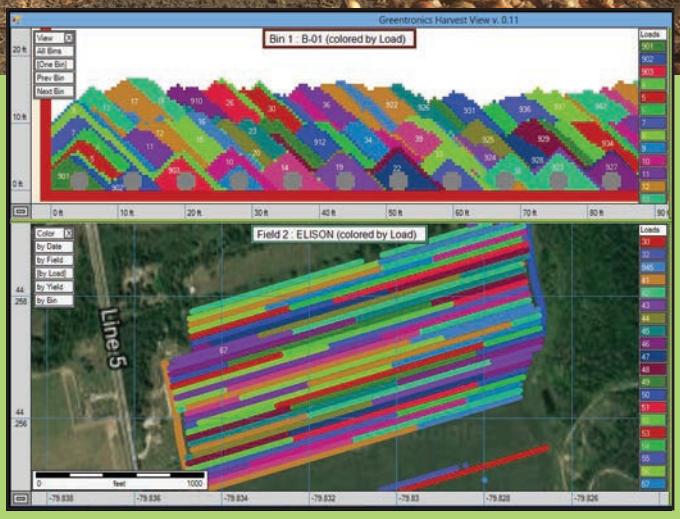
Close-up of roller mount in a potato harvester; Load cells are mounted to brackets and support rollers under the belt to weigh crops on the belt.

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 indicator lights simplify troubleshooting; Data files may be emailed to Greentronics for diagnostics service.
- **Adaptable.** Universal design allows installation in virtually any type of conveyor or harvester. RiteYield is suitable on root crop harvesters (potato, onion, carrot, sugar beet), as well as on many types of grape, seed & sweet corn, and sugar cane harvesters.
- **ISOBUS Compatible.** ISO Option uses the Universal Terminal screen on compatible displays allowing operators to view and access the yield monitor user interface on their touch screen monitor.
- **Tilt compensation option.** For operating in hilly fields or where load cells are installed in conveyors where tilt angle changes.
- **Integration with other displays.** The yield monitor can be connected to certain display models from ***John Deere***, ***Trimble***, and ***Ag Leader*** and provide a "live" yield map with field and load statistics (acres, hours, current yield, average yield, load number and weight, total yield per field).
- **Live link - smartphone app.** Load Weight App is available to wirelessly communicate current load weight to nearby android phone or tablet.

RiteYield system installed on 4-row Lenco harvester, Plainfield, WI.

RiteYield system installed on TopAir onion harvester, Brigham City, UT.



NEW!! *RiteTrace field-to-storage load tracking now available for integration with the yield monitor. Ask for details.*

GREENTRONICS

visit Greentronics.com for dealer locations and contacts

or call 519-669-4698 email: info@greentronics.com

Ordering Information
Part Number: YM431-2

System includes Console with internal memory and on-board ruggedized USB flash drive for data transfer, Junction Box, two load cells with universal mounting brackets, one shaft speed sensor with magnet, sufficient cabling to suit most applications, 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. Visit **www.greentronics.com** for further details.

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