



The Griffith Elder *Spreader Monitor* is an automatic weighing system used to monitor and control fertiliser and manure spreaders.

Weighing

At the heart of the *Spreader Monitor* is a sophisticated weighing system that monitors the change in weight in the hopper. Four or six load cells detect the weight in the hopper. Load cells are available to suit most spreaders, ranging from 500kg to 20,000kg capacities.

Simple to Operate

Operating a *Spreader Monitor* couldn't be simpler. Make sure the indicator is switched on and turn the spreader switch on at the start of each job. When spreading is completed, just turn the spreading switch off to view the data. On some models the system is completely automatic giving the rate of delivery per hectare while the spreader is on the move.

Area Measurement

The area covered is detected using either a wheel sensor or a ground-speed radar. Area is only recorded while the spreading mechanism is engaged.

Spread Rate

The *Spreader Monitor* shows an instant spread rate while in operation. This allows the operator to easily maintain the correct spread rate by speeding up and slowing down the machine. The total amount delivered is shown as well as the overall amount which has been spread on a particular area.

Accuracy

Accuracy of weighing is within 0.5%. All load cells are fully calibrated in the factory ready to use. The load cells are robust and can stand the normal vibrations, shaking and knocks without losing accuracy.



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Spreader Monitor

Three models available



Indicator

An easy-to-use indicator is available for use inside the vehicle. Three models give varying levels of information, from simple weight in hopper to spot rates across the field.

Model WS1

The **WS1 indicator** is the basic weighing system. The display shows the weight in the hopper and the accumulated spread weight. The results can be put into memory for each load and a printer can be fitted.

Model WS2

The **Spreader Monitor type WS2** has the weighing functions of WS1 plus it monitors the hopper and spread rate, giving weight in hopper, total amount spread, average rate and area covered. When the WS2 is actually spreading it shows the current spreading rate. Scroll to see accumulated spread weight, average spread rate and area covered. Press save to put the record into memory with date and time, and to start a new batch record.

Model WS3

The **WS3 model** has the same functions as the WS2, but also has an output for the bed speed controller so that the current spreading rate can be automatically kept constant whilst on the move. It also has protocols to talk with GPS systems for variable rate mapping.

Tally Roll Printer

The **printer** can be added to print a ticket with the spreading records on.

Bed Speed Controller, Model C1

The **bed speed controller** has an actuator fitted that will control the floor drag chain speed. This is continuously updated whilst the spreader is working to maintain a preset spreading rate. If the unit is coupled to a field mapping device it is possible to vary the rate according to the data from the map.

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