

PRESS RELEASE

IsoMatch GEOcontrol and GEOspread New GPS Controlled Intelligent Machine Solutions on Fertiliser Spreaders

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Kverneland Group introduces GEOcontrol and GEOspread on the Vicom and Kverneland Accord ISOBUS 11783 compatible weighing spreaders to optimize spreading operations. After being the first manufacturer with an ISOBUS compatible weighing spreader, Kverneland Group is now setting again new standards on even more accurate spreading by introducing GPS possibilities on our weighing spreaders. Even more accurate spreading is now simply possible by using GPS solutions. Kverneland Group offers two intelligent machine solutions in combination with GPS in order to save fertiliser and increase operator comfort:

1. Using the IsoMatch Tellus with GEOcontrol task controlling for section control, variable rate and extended documentation.
2. Adding GEOspread intelligence to the Exacta TL and RO-EDW weighing spreaders to have the best possible overlap control in irregular fields.

Smart, Efficient and Easy: Spreading with the IsoMatch Tellus and GEOcontrol

All Vicom and Kverneland Accord weighing spreaders are standard equipped with ISOBUS electronics. From this perspective, all spreaders can be controlled by any ISOBUS Universal Terminal like John Deere Greenstar. When a tractor terminal is not available, Kverneland Group can offer its own award winning IsoMatch Tellus Virtual Terminal. From autumn 2011 on, the IsoMatch Tellus will be standard equipped with

GEOcontrol task control software, to run section control and variable rate by GPS on the machine connected to the tractor. To activate GEOcontrol on the IsoMatch Tellus and the spreader itself, a licence key is needed. This key can be bought easily via internet and can be installed on the terminal by the dealer.

GEOcontrol in combination with the Vicon RO-M EW and RO-EDW or Kverneland Accord Exacta CL EW and Exacta TL makes it possible to do:

1. **Section control:** The spreader (discs) will switch on and off automatically and individually, when overlap is detected.
2. **Variable Rate:** Forward site specific rate from task to device and record applied rate from device to task.
3. **Extended documentation and yield mapping:** the job done is registered and saved by GEOcontrol and can be exchanged with farm management systems.

As a part of Section Control it is easily possible to do automatic **Headland Management** as well. This means when the spreader is approaching the headland, it automatically switches on and off by GPS to avoid overlap on the headland.

Intelligent Machine Solutions: Kverneland Group introduces GEOspread

Actual spreading is executed with fixed working widths during operation, mostly based on tramline systems. Because fields are not always rectangular, the optimal working width can vary. Spreading into for example an angled/wedge shaped field or curved field border, without changing the working width causes under dosing, over dosing or even spreading outside the field boundary: a flexible working width during a specific operation will minimize the above mentioned “undesirable” overlap and finally will save on fertiliser and improve the crop quality.

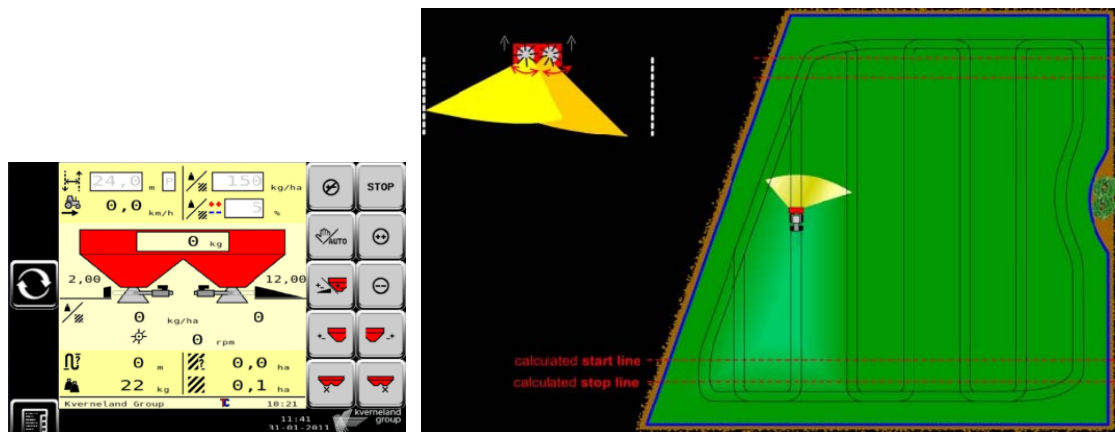
One of the tools to set the working widths on the Vicon and Kverneland weighing spreaders is the discharge point of the fertiliser by adjusting the letter setting. Normally this letter setting is done manually before starting. With the GEOspread option on the Vicon RO-EDW and Kverneland Accord Exacta TL weighing spreading it is now possible to adjust this letter setting individually for both discs electrically from the tractor cabin. This means the working width can be adjusted very quickly and accurate by just touching the ISOBUS terminal!

You can set your spreader even more accurate, when running GEOcontrol in addition to GEOspread. The working width will then be place specific adjusted by GPS. So when driving for example into a wedge shaped corner of the field, GEOspread will start to decrease the working width step by step. GEOspread is then using the section control operated by the GEOcontrol software on the IsoMatch Tellus and split the working width into several sections of 2 meter. Not only the spreading width is adjusted, the application rate (kg/min) is automatically adjusted as well to the changing circumstances. This unique combination of working width and application rate makes the GEOspread system very accurate, without influencing the variation coefficient negatively. The new GEOspread weighing spreader is probably the most intelligent system for spreading with GPS in the market.

The new RO-EDW and Exacta TL weighing spreader with GEOspread will offer the user the possibility to spread fertiliser at the required application rate over the complete field, avoiding overlap and/or missing areas on headlands and in fields with non rectangular shapes or obstacles. The GEOspread system can be operated by every ISOBUS Universal Terminal with section control capabilities.

Advantages of GEOspread:

1. Quick and accurate reaction, because of direct actuator steering on the discharge point
2. Stable disc RPM in combination with discharge point adjustments to maintain the spreading pattern (VC)
3. Easy operation; no need to step off the tractor to adjust working width
4. 100% ISOBUS compatible operation



Target customer group

The target customer is the cost conscious farmer that wants to optimise fertiliser usage. He will choose a weighing spreader to secure the right application rate of fertiliser under all circumstances. He will be inclined to extend the savings of the use of a weighing spreader by GEOcontrol and GEOspread and so achieve the maximum optimization of his fertiliser application.

Availability GEOspread spreaders

Limited series will be available spring 2012. Serie production of the Exacta TL GEOspread and RO-EDW GEOspread is expected to start in the second half of 2012.

Kverneland Group (Kverneland ASA - OSE: KVE) is a leading international company developing, producing and distributing agricultural machinery and services. Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package of systems and solutions to the professional farming community. The offering covers soil preparation, seeding, forage- and bale equipment, spreading and spraying. For more information on Kverneland Group visit www.kvernelandgroup.com

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