



INPUT CONTROL SYSTEMS: MANAGING INPUTS TO MAXIMISE OUTPUTS

FIELD-IQ™ CROP INPUT CONTROL SYSTEMS

The Field-IQ crop input control system is a variable rate and section control system that runs on FM-750 or FM-1000 monitors. It prevents seed and fertiliser overlap, controls the rate of material application and monitors seed delivery. Field-IQ™ automatic section control is able to control up to 48 individual rows, eliminating waste and double application of inputs by automatically shutting off rows or sections in areas which have already been covered, or do not require application.

AUTOMATIC SECTION CONTROL

Section Control automatically shuts off rows or sections, eliminating double application of seed and fertiliser. It uses the tractor's GPS system to automatically turn on and off individual planter sections in areas that have already been covered, or at headland turns, point rows, waterways or terraces. Double planting of rows is avoided, enhancing yields and eliminating waste.



Without seed monitoring



With seed monitoring



VARIABLE RATE APPLICATION CONTROL

Vary application rates using prescription maps to better manage field variability. Variability in fields can be influenced by factors such as soil properties, topography, cropping history and field use. GPS position is communicated to the rate controller as the application equipment moves across different zones in the field, enabling it to vary application rates by zone. Rather than just applying a constant seed rate you can apply higher seed populations in well irrigated or highly fertile areas to maximize yield performance and use a lower application rate in less fertile areas or areas with poor irrigation. Also you can tailor chemical and fertiliser application in **areas** as required, lowering input cost and further enhancing yields.

INTELLIRATE™ CONTROL

IntelliRate™ Control is a variable rate and section control system that allows you to control rate and flow applications on mixed fleets of implements using an integrated New Holland IntelliView™ IV display.

- Use automatic section control to switch on/off up to 48 individual rows.
- Eliminate double application of seed and fertiliser.
- Control material applications including liquid and NH3.
- Read prescription maps to manage field variability and maximize yield potential.
- Monitor and record planter population rates.
- Applied mapping for tracking varieties and hybrids.
- Single display solution on New Holland equipment for running key vehicle features, auto guidance and controlling mixed fleets of implements.



PLM ISO TASK CONTROLLER

Control mixed fleets of ISOBUS compatible implements using your integrated New Holland IntelliView™ IV display.

- Send commands to an ISOBUS compliant implement to modify its actions based on GPS positioning.
- Automatically switch on/off planter sections.
- Prevent seed and fertiliser overlap.
- Control application rates with prescription maps.
- Map and log job dates.
- Single display solution on New Holland equipment for running key tractor functions, auto guidance and controlling mixed fleets of implements.



MANURE MANAGEMENT

Spreading waste-based nutrients can help you grow more, while lowering fertiliser cost and protecting the environment. It is important that manure is always applied within an acceptable area and not dispersed where regulations prohibit. Manure management using the FM-750 will record dispersal location and keep track of the nutrients that have been applied on your farm.

Liquid Spreading

- Precisely monitor and control liquid spreading applications, saving input costs and meeting environmental regulations.
- Create prescription maps and vary the rate depending on manure and soil properties.
- Ensure that manure is applied in the correct areas and not where regulations prohibit.
- Track applied nutrients and record dispersal locations.

Dry Spreading

- Utilize the FM-750™ display to help you accurately map and apply dry manure when spreading.
- Ensure that manure is applied in the correct areas and not where regulations prohibit.
- Track applied nutrients and record dispersal locations.





MANAGE YOUR HARVEST FOR GUARANTEED RETURNS YEAR AFTER YEAR



INTEGRATED NEW HOLLAND SYSTEMS HELP INCREASE YIELDS

Precision farming has been engineered by design into the TC, CX5000, CX6000, CX Elevation, CR combines, the FR forage harvester series and the complete range of BigBalers to provide you with real-time information to maximise both crop and equipment performance.

- Permanently record your yield in precise locations and store it for future reference.
- Constantly analyse real-time moisture information to ensure your crop is always harvested in peak condition.
- Prepare application maps for accurate, site-specific fertilising, seeding and spraying in relation to actual yields to increase your profits.

REAL TIME COMBINE MOISTURE SENSING

New Holland's moisture sensor measures grain moisture in real time. Samples are taken every 30 seconds and the data is sent to the IntelliView™ monitor. As the information is delivered in real time, the operator is kept continually informed and can adapt machine parameters accordingly. For the most accurate readings, sensor calibration is required for each different crop type.

COMBINE YIELD MAPPING

The exclusive patented, high accuracy yield sensor developed by New Holland is generally recognised as the best in class. Its design neutralises the rubbing effect of grain. Whatever the kind, the variety or the moisture content of the kernel, the sensor generates an extremely accurate yield measurement. If that wasn't enough, once you have initially calibrated your sensor at the beginning of the season, no further intervention is required.

ACTIVELOC™ TECHNOLOGY: MOISTURE ADAPTED CHOP LENGTH

The FR now features revolutionary ActiveLoc™ technology. Real time moisture sensing is used in combination with pre-set chop length parameters to control the length of the chop depending on moisture content. This increases clamp density as well as improving silage quality for an enhanced nutritional profile.

PRECISE ADDITIVE APPLICATION

All forage harvesters and BigBalers are equipped with precise additive application systems which interface with the on-board moisture sensors to deliver the precise amount of crop additive to guarantee quality.

FORAGE HARVESTER YIELD MAPPING

Precise yield data is also displayed on the IntelliView™ monitor, thanks to sensors that are located in the feed roll linkage which analyses crop throughput; this is combined with the machine's forward speed to give accurate yield information. This data can be printed out on the on board job printer.

INTELLIFILL. LET YOUR FR FILL THE TRAILER FOR YOU

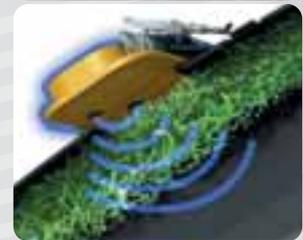
Operating a forage harvester requires extensive experience and a high level of concentration. For maximum focus on crop flow and in-field progress, the ingenious 3D camera-based IntelliFill™ system automatically detects the trailer edge and monitors filling. Whatever the trailer size or shape, it automatically controls the spout movement to perfectly fill right to the trailer's edges without spillages.

ON THE GO ACTIVEWEIGH™ SYSTEM

Bale weighing sensors are integrated into the bale discharge chute of the BigBaler and register the weight of the bale at the point at which it becomes free from the chute, just before it drops to the ground. The ActiveWeigh™ system is independent of bale length, field conditions and baler movement. All information, including single bale weight, average weight, total weight and tonnes per hour are all displayed on the IntelliView™ monitor. Furthermore, this all happens while you continue to pick-up for non-stop baling. If that wasn't enough, a 2% accuracy level means you'll produce the bales precisely as required.

BALER MOISTURE SENSING

It is imperative to record bale moisture, as an over-wet crop will spoil and be useless. The BigBaler moisture sensor uses two star wheels to penetrate the bale and an electric current is passed through to determine the exact moisture of the bale. This is then displayed on the IntelliView™ monitor which prevents unready crop from being baled, and enables the precise application of additive.





EFFICIENT PLM SOLUTIONS FOR SPECIALIST GRAPE AND OLIVE OPERATIONS

THE FINEST GRAPES MAKE THE FINEST WINES

EnoControl™ grape harvesters read pre-prepared harvesting maps in real time to sort grapes of differing qualities into two different hoppers to ensure that only the finest grapes make the finest wines. Part of the premium viticulture strategy, you can be sure to increase your profits. Furthermore, these maps can be used to control inputs to bring uniformity to yields and to manage costly inputs. FORCE-A's award winning Multiplex® anthocyanin sensor enables you to access real time grape maturity information on Braud 9000 machines.



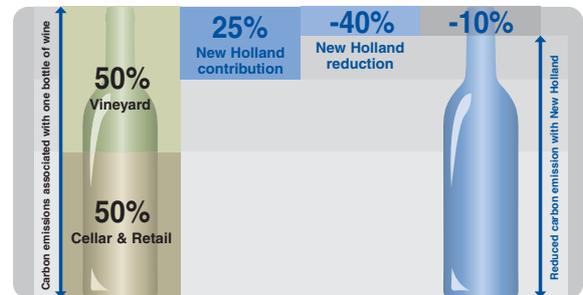
THE CLEAR PATH FOR SUCCESS

Row tracing technology uses guidance correction signals and a machine mounted antenna to ensure that each and every row is covered just once. This consigns duplicated rows and wasted inputs to the history books, increasing harvesting productivity and efficiency as well as reducing operator fatigue during long working days as they automatically know just where to go.



ECOBRAUD REDUCES YOUR CARBON FOOTPRINT

Consumers are increasingly demanding farm produce with a reduced carbon footprint, and the ECOBraud strategy, that encompasses the complete range of New Holland viticulture equipment, including Braud grape harvesters and speciality tractors does just that. When fuel savings from IMS and fertiliser savings from spreader management are combined, a reduction in the carbon footprint of vineyards by up to 40% is achievable, well ahead of the 2020 targets, which mandate a 20% overall reduction. This will directly contribute to a 10% reduction in the overall carbon footprint of each and every bottle of wine produced.



MANAGING VARIABLE RATE INPUTS

The spreader management package uses Field-IQ™ technology to automatically vary the quantity of fertiliser being applied, depending on requirement. The system reads pre-prepared yield maps, and only applies fertiliser where it is needed to reduce input cost while maximizing yields.

