

FARM SMART WITH NEW HOLLAND PRECISION



OPEN. CONNECTED. SMART. SUPPORTED.

New Holland's Precision Land Management (PLM™) is developing leading edge SMART solutions for managing the entire crop production cycle. We are integrating technologies into our machines that can help optimize input usage, improve yield performance and increase overall profitability. PLM solutions are built on providing you with an open architecture that is easy to use, and offers the flexibility to work with mixed fleets of equipment and implements. We provide SMART technologies that can keep you connected with your machines in the field, optimizing fleet logistics and machine run times, while helping streamline field data into valuable insights and informed decisions. New Holland is committed to providing solutions that can be tailored to your farm needs, helping improve efficiencies and yields.





PLM FROM THE CLEAN ENERGY LEADER

New Holland is committed to improving the environmental profile of farming and PLM forms a key element of this strategy. By reducing in-field passes considerable fuel savings can be achieved, which consequently reduce your farm's carbon footprint. But that is not all, by controlling inputs, such as fertilizers, the environmental impact of farming is cut considerably. After all, that's what you've come to expect from the Clean Energy Leader.



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WHAT LEVEL OF PRECISION DO YOU NEED?

New Holland PLM™ guidance solutions are compatible with a full range of guidance correction signals that enable you to choose the exact level of precision that your operation requires. GPS and GLONASS are satellite navigation systems that are owned and operated by the US and Russian governments. GNSS (Global Navigation Satellite System) is a term used to encompass all satellite constellation systems, but today GPS and GLONASS are the only systems included.

Both GPS and GLONASS are available to users worldwide. When using a GNSS guidance receiver to track both GPS and GLONASS signals together, the number of satellites the receiver can view is greatly increased. This means you will be less likely to lose satellite coverage, improving reliability, uptime and productivity. Neither GPS or GLONASS alone are able to provide the accuracy required for agricultural use and both require corrections to improve their accuracy. A wide range of correction services are available that offer a variety of accuracy levels, and PLM™ guidance systems give you the compatibility to choose which accuracy best fits your needs.

RTK SUB INCH ACCURACY

RTK (Real-Time Kinematic) is the highest accuracy correction source. It uses either radio or cellular communications to transmit corrections. When using RTK with radio communications, you need access to a base station located within a eight-mile radius of your farm. An RTK base station sends corrections via radio transmission to the GPS receiver attached to your machine. Base stations can be purchased for individual farming use, or if a RTK service network is available in your area, you can access through a subscription service.

RTK corrections can also be received through cellular communication using a modem. This is typically done using either a CORS (Continuously Operating Reference Stations) network or a VRS™ (Virtual Reference Stations) network. CORS and VRS™ networks are integrated system of multiple GPS/GNSS reference stations spread out over a large area, typically 30–45 miles apart, and use a central server to communicate RTK corrections to the cellular modem in your machine. Access to CORS or VRS networks depends on if a network is established in your area, and usually requires a subscription.

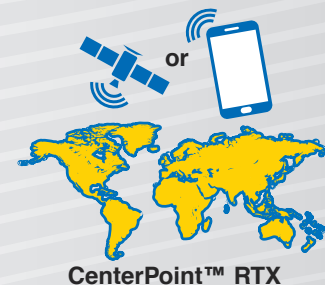
NEW xFILL™ TECHNOLOGY

xFill™ is a new feature that enhances the New Holland PLM RTK solution's reliability and in-field run time. During RTK signal interruptions, xFill keeps RTK in a fixed mode with a high level of accuracy.



CENTERPOINT™ RTX OFFERS +/- 1.5 INCH ACCURACY

CenterPoint™ RTX provides the most accurate satellite-based correction service available. It provides repeatable 1.5" accuracy without the use of a traditional base station. CenterPoint is ideal for row crop applications and farms outside RTK network coverage areas.

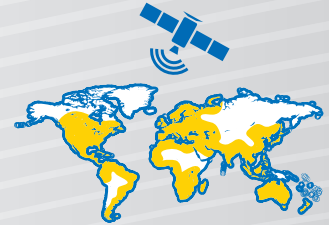


CenterPoint™ RTX

OMNISTAR G2, XP AND HP OFFER 2 – 4 INCH ACCURACY

OmniSTAR corrections provide mid-range accuracies that are ideal for mowing, planting and spraying. OmniSTAR is a subscription based service that provides the following 3 options.

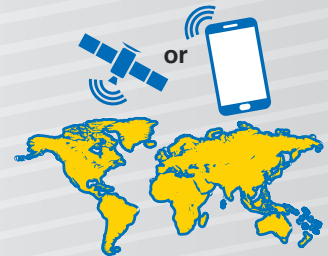
- OmniSTAR HP provides 2" – 4" pass to pass accuracy
- OmniSTAR XP provides 3" – 4" pass to pass accuracy
- OmniSTAR G2 provides 3" – 4" pass to pass accuracy plus supports



OmniSTAR G2, XP and HP

RANGEPOINT™ RTX OFFERS +/- 6 INCH ACCURACY

RangePoint RTX is a new low-cost correction signal that provides 6" pass-to-pass accuracy and is GPS and GLONASS enabled, providing the additional reliability not offered by other entry level correction sources. RangePoint is ideal for broadacre applications.



RangePoint™ RTX

WAAS OFFERS PASS TO PASS ACCURACY OF 6 - 8 INCH

WAAS is a free correction source sponsored by the U.S. Government's Federal Aviation Administration. It provides 6" – 8" pass to pass accuracy, but can only correct GPS signals. WAAS is best suited for broad acre applications, such as spraying or tillage.



WAAS

PRECISION	RTK RTK CORS +/- 1"	CenterPoint™ RTX +/- 1.5"	OmniSTAR G2/XP/HP 2" - 4"	RangePoint™ RTX +/- 6"	WAAS 6" - 8"
APPLICATION					
Spraying	•	•	•	•	•
Spreading	•	•	•	•	•
Tillage	•	•	•	•	•
Mapping	•	•	•	•	•
Mowing	•	•	•	•	•
Harvesting	•	•	•		
Seeding	•	•	•		
Hoeing	•				
Bed Forming	•				
Precision Planting	•				
Strip Till	•				

- Recommended



ONE DISPLAY, ONE INTEGRATED SOLUTION

INTELLIVIEW™ IV COLOR TOUCHSCREEN DISPLAY

The IntelliView™ IV display is an intuitive, color touchscreen display that can be factory-integrated in numerous models of New Holland equipment. It has full ISOBUS compatibility and can be used to both control key vehicle functions and run precision applications, such as IntelliSteer™ auto guidance, as applied mapping and implement control of mixed fleets of equipment.

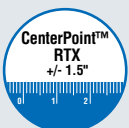
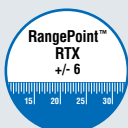


SINGLE DISPLAY SOLUTION

The IntelliView IV display can be used as an integrated one screen solution mounted on your New Holland armrest for running key machine functions, precision applications and controlling mixed fleets of implements, even non-New Holland equipment.



ACCURACY LEVELS





USER INTERFACE

- Touchscreen for all key settings
- Customize run screens to operator's preferences
- Single display for monitoring machine functions and controlling precision applications
- Common display that is used in New Holland high-horsepower tractors, combines, forage harvesters, sprayers and windrowers

GUIDANCE & MAPPING

- Fully compatible with integrated IntelliSteer™ auto-guidance system
- As-applied and coverage mapping
- Yield mapping and variety tracking for evaluating the performance of different varieties & hybrids

HARDWARE FEATURES

- Integrated 10.4 inch color touchscreen display
- 3 video inputs for cameras

IMPLEMENT CONTROL

- Control mixed fleets of both ISOBUS and non-ISOBUS implements
- Variable Rate Application
- Automatic Section Control
- Monitor & record planter population rates
- Control material applications including liquid and NH₃
- Compatible with PLM™ ISOBUS task controller and IntelliRate™ Control System

HARVESTING

- Yield monitoring and moisture sensing for New Holland combines & forage harvesters

GUIDANCE PATTERN

The IntelliSteer™ auto guidance system allows you to select from a variety of guidance patterns to fit any shape field, save your recorded patterns, and link them to individual fields.





FM-1000 DISPLAY

LEADING EDGE PRECISION FARMING

The FM-1000 is an advanced precision farming display for performing all of your precision applications. Run a full range of applications including auto guidance, automatic section control, variable rate prescriptions, advanced seed monitoring, yield monitoring, water drainage operations and much more.

INTERFACE & FEATURES

- Large 12-inch, easy-to-use, color touchscreen display
- Four video camera inputs
- Dual built-in GPS receivers

GUIDANCE & MAPPING

- Hands-free guidance with Autopilot™, EZ-Pilot™ or EZ-Steer® steering systems
- As-applied and coverage mapping
- Implement guidance with TrueGuide™ and TrueTracker™ systems

IMPLEMENT CONTROL

- Full Field IQ™ crop input control capability
- Automatic Section Control
- Six product variable rate application control
- Advanced seed monitoring

HARVESTING

- Yield monitoring and mapping

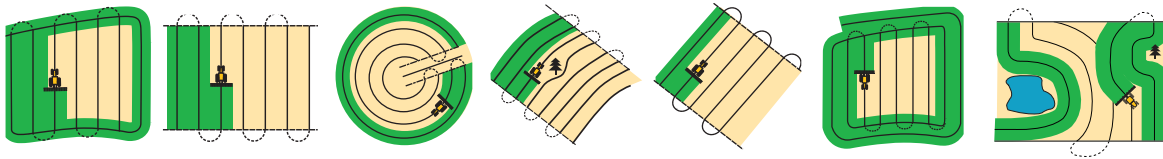
WATER MANAGEMENT

- Land leveling and levee installation
- Survey, analysis, design and installation of surface and sub-surface drainage systems



GUIDANCE PATTERN

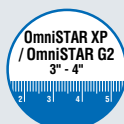
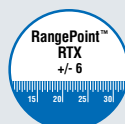
Offers guidance flexibility, allowing you to work in different patterns and shapes that best fit the layout and slopes of your field.



GUIDANCE OPTIONS WITH FM-1000

- Manual - Lightbar
- Assisted guidance with EZ-Steer® and EZ-Pilot™ systems
- Integrated auto guidance with retrofit Autopilot™ system

ACCURACY LEVELS



FM-750 DISPLAY

INTUITIVE PRECISION

The FM-750 is a multi functional guidance display that offers key precision agriculture functionality and is compatible with a wide range of accuracy levels. It is an ideal solution for almost any crop type, field shape or soil type.

INTERFACE & FEATURES

- 8-inch, easy-to-use, color touchscreen display
- Two video camera inputs
- Built-in GPS receiver

GUIDANCE & MAPPING

- Hands-free guidance with Autopilot™, EZ-Pilot™ or EZ-Steer® steering systems
- As-applied and coverage mapping

IMPLEMENT CONTROL

- Full Field IQ™ crop input control capability
- Automatic Section Control
- Two product variable rate application control
- Seed monitoring

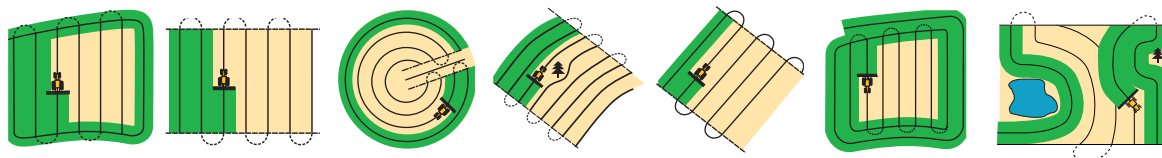
HARVESTING

- Yield monitoring and mapping



GUIDANCE PATTERN

Offers guidance flexibility, allowing you to work in different patterns and shapes that best fit the layout and contours of your field.



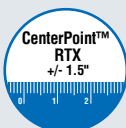
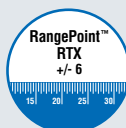
MANURE MANAGEMENT

Spreading waste-based nutrients can help you grow more, while lowering fertilizer 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.

GUIDANCE OPTIONS WITH FM-750

- Manual – Lightbar
- Assisted guidance with EZ-Steer® and EZ-Pilot™ systems
- Integrated auto guidance with retrofit Autopilot™ system

ACCURACY LEVELS





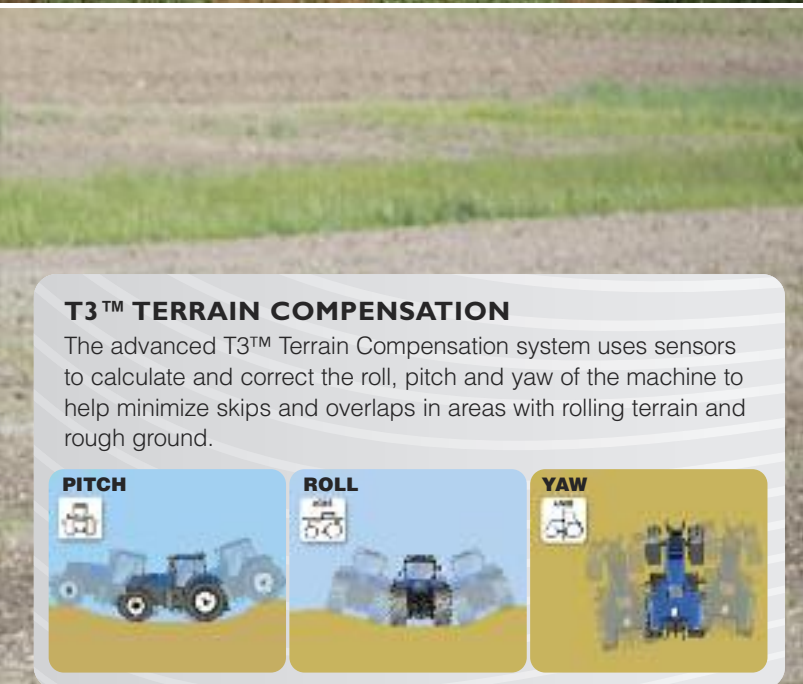
INTELLISTEER™ AUTO GUIDANCE SYSTEM

FULL INTEGRATED NEW HOLLAND AUTO GUIDANCE

IntelliSteer is a fully integrated New Holland designed and developed Automatic Steering System. Available integrated from the factory or as a retrofit package, the IntelliSteer™ system maximizes productivity and efficiency to optimize your yields and to increase your profits.

- Maximizes productivity and efficiency to optimize your yields and optimize input usages.
- Fully integrated auto guidance control system that ensures parallel pass-to-pass swaths to eliminate skips and overlap.
- Delivers accuracy as precise as sub-inch.
- Controlled through the integrated IntelliView IV large touchscreen display that is able to monitor machine functions and run precision applications.
- Uses T3 terrain compensation for maintaining accuracy in rolling terrain.
- GNSS receiver that is GLONASS enabled
- All-Makes packages also available that can be integrated into most brands and models of equipment





A COMPLETE GUIDANCE PACKAGE

T6, T7, T8 & T9 Series tractors, CX & CR Series combines, Guardian™ self-propelled sprayers and Speedrower® self-propelled windrowers are available with integrated factory-installed IntelliSteer™ auto guidance.



INTELLIVIEW™ IV 10.4" COLOR TOUCHSCREEN DISPLAY

Simplify your multiple cab displays to one: the IntelliView IV display. The IntelliView IV display not only controls key New Holland machine functions, it also runs precision applications and can control mixed fleets of implements, all using a single, easy-to-use, large color touchscreen display.



NH 372 GNSS RECEIVER

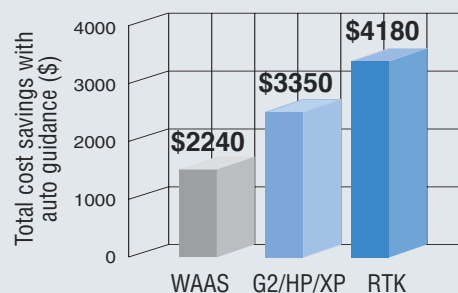
The NH 372 GNSS receiver is GLONASS enabled and has the ability to track up to 44 satellites at any one time, increasing reliability, satellite coverage and uptime.



GOOD GUIDANCE SAVES MONEY*

IntelliSteer helps improve overall operating efficiency. In poor light or during long working days precision driving is not compromised. Improved efficiency saves money. It is as simple as that.

*Based on 1200 acre farm and 16 ft. wide implement. Including tractor rental, fuel, labor, fertilizer/seed and chemical costs per acre.





ASSISTED STEERING SYSTEMS

Hands free steering systems that can be retrofitted to most makes and models of equipment.



EZ-PILOT™ SYSTEM

INTEGRATED ASSISTED STEERING SYSTEM

EZ-Pilot is a high-performance, low-cost assisted steering solution that is sleekly integrated into the vehicle's steering column, and it can be installed on most brands of tractor and harvesting machinery. This advanced solution features T3™ Terrain Compensation Technology, keeping you online in rough terrain by automatically adjusting steering to compensate for slopes, hillsides and rolling hills.

- Integrates steering actuator motor into steering column for clutter-free cab.
- Highest-accuracy assisted steering system.
- 30% more torque than other systems in the market.
- Compatible with most makes and models of equipment.
- T3 terrain compensation for steering in rolling terrain.

EZ-STEER® SYSTEM

EASY INSTALLATION & TRANSFERABLE ACROSS MULTIPLE MACHINES

EZ-Steer® is a simple, portable, hands-free steering system for all vehicle models, old and new. The EZ-Steer system turns the steering wheel for you by combining a friction wheel and a drive motor, which is commanded indirectly by an output from the guidance display. EZ-Steer keeps you on line and helps you avoid ditches and waterways so you can focus on the task at hand, whether that is planting, spraying or tilling. This system is easy to transfer between vehicles and it improves performance, quality and crop yields all while reducing stress.

- Provides hands-free steering using friction wheel and drive motor to turn steering wheel.
- Easy to install and transfer between machines.
- Compatible with most makes and models of equipment.
- Features T2 terrain compensation.



COMPATIBLE DISPLAYS

The EZ-Pilot™ system is compatible with both the FM-750 or FM-1000 displays delivering up to +/-1 inch GPS accuracy with RTK technology.



COMPATIBLE DISPLAYS

The EZ-Steer® system is compatible with EZ-Guide 250, EZ-Guide 500, FM-750 or FM-1000 displays delivering up to +/-1 inch GPS accuracy with RTK technology*.



*Not compatible with EZ-Guide 250.

EZ-GUIDE® 250 MANUAL GUIDANCE SYSTEM

GET-ON-AND-GO SIMPLICITY

The EZ-Guide® 250 is an easy-to-use, affordable system that is ideal for broad acre work and mapping.

- System tells driver where to steer to stay on line
- Easy to transfer and simple installation
- USB data transfer for mapping and record keeping
- Ideal for small farm spraying, planting and broadcast spraying, manure application mapping, and mapping locations where fertilizers and chemicals are applied

HARDWARE FEATURES

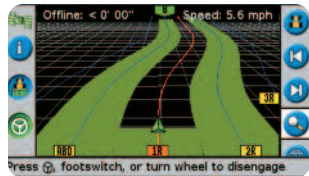
- 15 bright guidance LED lights
- USB data transport for mapping and record keeping
- Built-in GPS receiver

GUIDANCE TECHNOLOGY

- Manual guidance and mapping
- Compatible with 7 different guidance patterns
- Field finder technology
- Compatible with EZ-Steer® for hands free steering.

TRANSFERABLE

- Easy to transfer between machines and simple installation

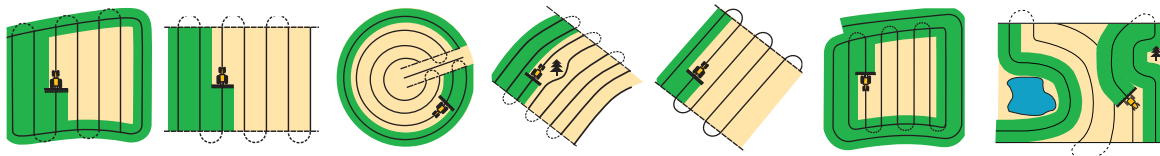


NIGHT OR DAY USE

Switch to Night Mode for better visibility when working in low light conditions. Mark and locate in-field hazards with feature mapping. Find the next path easily with SwathFinder assistance.

SEVEN GUIDANCE PATTERNS

Offer guidance flexibility, allowing you to work in different patterns and shapes that best fit your fields' layout and contours.



GUIDANCE OPTIONS WITH EZ-GUIDE® 250

- Manual guidance – Lightbar
- Assisted guidance with EZ-Steer® system

ACCURACY LEVELS





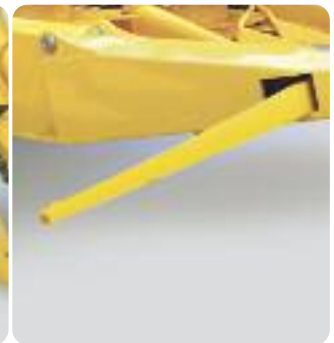
ULTIMATE PRECISION

ROW GUIDANCE SYSTEM



CORN HEADERS SOLUTION

Corn headers can be specified with row guidance to keep the combine or forage harvester perfectly on course. Two sensors continuously monitor the position of the crop entering the header, and automatically guide the machine to ensure true perpendicular entry even in poor visibility or at high speeds. The system can also be linked to a GPS positioning system, which can distinguish between cut and uncut rows, to facilitate night-time harvesting and advanced harvesting activities such as skip row functionality.



AVAILABILITY

CX, CR and FR

IMPLEMENT GUIDANCE

TAKE CONTROL OF YOUR IMPLEMENTS

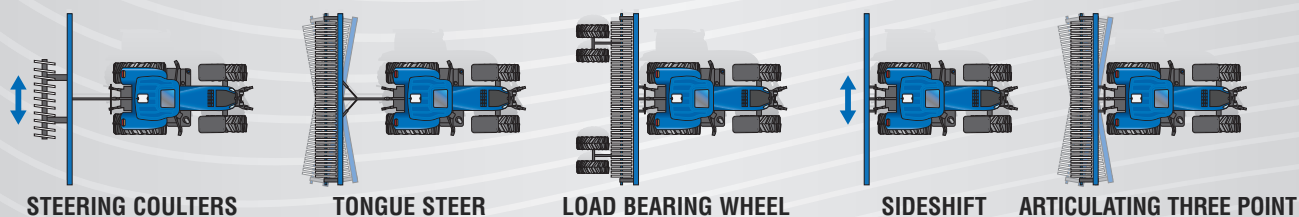
- PLM implement control solutions can help increase your planting accuracy by accurately guiding your implement on hill sides, rolling terrain, contours or terraces
- Minimizes the effects of draft, increases accuracy of seed and fertilizer placement and maintains consistent guess rows

TRUEGUIDE™ – IMPLEMENT CONTROL

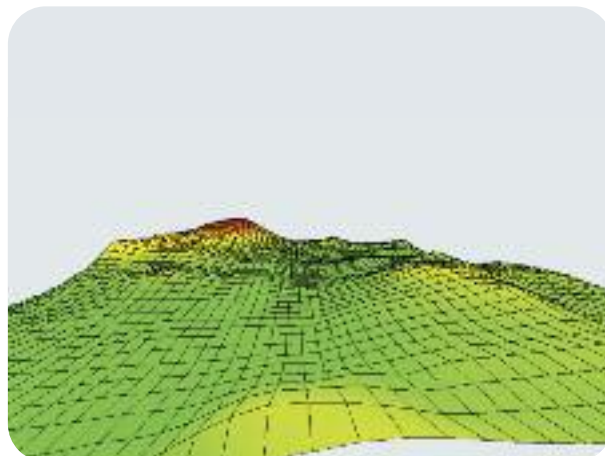
- Passive implement control system that steers the tractor so that the implement stays on-line
- Works with tractor's guidance system to provide better control, improve accuracy and minimize downdraft on hillsides

TRUETRACKER™ IMPLEMENT CONTROL

- Active implement control system that uses a second guidance receiver mounted on the implement to keep both the tractor and implement on-line
- Keeps both the tractor and implement on a repeatable path
- Provides high accuracy control on difficult terrain, hill sides and in variable soil conditions
- Minimizes compaction and crop damage



WATER MANAGEMENT



PLM water management offers solutions for controlling field erosion and removing excess water for better crop quality and higher yield performance. Improving your fields drainage can control ponding, optimize root depth and minimize nutrient losses. As well as improving your fields drainage the solution can control ponding, optimize root depth and minimize nutrient losses.

A complete software package is also available with PLM Water Control for optimal 3D placement of drainage systems.



APPLICATION CONTROL SYSTEMS. MAXIMIZE YIELDS

AUTOMATIC SECTION CONTROL

Section Control automatically shuts off rows or sections, eliminating double applications of seed and fertilizer. 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, terraces, etc. Double planting of rows is avoided, enhancing yields and eliminating waste.



Without section control



With section control



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, field use, etc. 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 apply higher seed populations in well irrigated, or highly fertile, areas to maximize yield performance and lower application rates in less fertile areas or areas with poor irrigation. Also apply more or fewer chemicals or fertilizers in areas as needed, 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 fertilizer
- Control material applications including liquid and NH3
- Read prescription maps to manage field variability and maximize yield potential
- Monitor and record planter population rate
- Applied mapping for tracking varieties and hybrids
- Single display solution on New Holland equipment for running key tractor features, auto guidance and controlling mixed fleets of implements



PLM™ ISOBUS TASK CONTROLLER

Control mixed fleets of compliant 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 position
- Automatically switch on/off planter sections
- Prevent seed and fertilizer 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 fertilizer 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 being 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 being applied in the correct areas and not where regulations prohibit
- Track applied nutrients and record dispersal locations





PRECISION THAT NEVER LOOKS BACK

APPLICATION CONTROL

Guardian front boom sprayers allow you to cover ground faster to maximize acres sprayed per hour. They can be equipped with the ultimate in precision application control using Raven's Hawkeye Nozzle Control System. This pressure based control system allows for precise sprayer application in a variety of conditions, reducing spray drift and getting the most from every nozzle. Each nozzle is controlled by its own individual pulsing valve providing a consistent spray pattern as speed and conditions change.



BOOM HEIGHT CONTROL

Guardian Sprayer's can be equipped with the Raven AutoBoom® UltraGlide automatic boom height control system for increasing application accuracy, minimizing spray drift and improving efficiency by enabling the operator to focus on other functions without needing to constantly monitor the boom height. The system utilizes ultrasonic sensors to gauge the distance from the ground and maintain the desired boom height above the ground or crop canopy.



INJECTION TOOLBAR FEEDS YOUR CORN IN THE SOIL ROOT ZONES

The New Holland injection toolbar injects liquid nitrogen into the soil between rows for optimum uptake by the roots. Used with your Guardian™ front boom sprayer, the Injection Toolbar fuels corn growth, applying liquid N just before maximum uptake which occurs between the 6- to 8-leaf stage and tasseling. (Nitrogen should be applied in the 3-4 to 6-8 leaf stage to ensure availability during the critical growth period to follow.)

- No crop burning – incorporates liquid N into the soil, unlike broadcasting fertilizer
- Minimize fertilizer loss – not like ground-applied liquid fertilizer, which can be lost due to volatilization, especially without sufficient rainfall.



EXCLUSIVE AIR CART INTELLIRATE™ MODULAR METERING SYSTEM (IMMS)

Flexi-Coil P Series air carts from New Holland are “resetting the standard” for accuracy with exclusive, industry-leading meter control.

THE MOST ACCURATE SECTIONAL CONTROL AVAILABLE

The IntelliRate™ sectional control option available on Flexi-Coil P Series air carts allows you to make the most of your seeding window by eliminating waste and increasing your seeding and application efficiency. The system shuts off rows or sections to eliminate double applications of seed and fertilizer, ensuring you get the most out of every dollar you pay for inputs. With PLM™ auto guidance, the system turns off air drill sections automatically when you encounter areas that have already been covered, at point rows or the headland, or when travelling over terraces and near waterways. The system controls up to 10 primary product runs, with potential for future expandability.

STANDARD-EQUIPPED VARIABLE RATE APPLICATION CONTROL

For maximum precision, you can vary application rates using pre-loaded prescription maps to better manage field variability. GPS position is communicated to the rate controller which varies application rates by zone, based on your prescription map criteria like soil ph, fertility, irrigation, etc.

IMMS: INTELLIRATE™ MODULAR METERING SYSTEM

P Series air carts provide the ultimate in blending flexibility. They can apply seed, fertilizer or granular products in a single pass, and the modular system can distribute or combine any tank to any primary run. Each primary run on the IntelliRate™ Modular Metering System (IMMS) operates using patented, independent, 24-volt electric-drive motors with integrated controls that provide the flexibility to accurately apply product in either single-shoot or double-shoot applications.







PRECISION HARVESTING FOR YEAR AFTER YEAR RETURNS

INTEGRATED NEW HOLLAND SYSTEMS HELP INCREASE YIELDS

Precision farming has been engineered by design into the CX and CR Series combines and FR Series forage harvesters to provide you with real-time information to maximize both crop and equipment performance.

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



REAL-TIME COMBINE MOISTURE MONITORING AND MAPPING

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 crop type.

COMBINE YIELD MONITORING & MAPPING

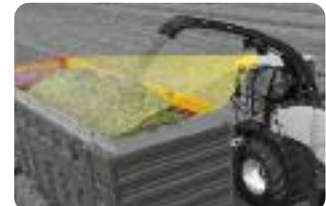
The exclusive patented, high-accuracy yield sensor developed by New Holland is recognized as best in class. Its design neutralizes the rubbing effect of grain. Whatever the kind, variety or moisture content of the kernel, the sensor generates an extremely accurate yield measurement. After you initially calibrate your sensor at the beginning of the season, no further intervention is required.

FORAGE HARVESTER YIELD MONITORING AND MAPPING

Precise yield data is also displayed on the IntelliView™ monitor, thanks to sensors that are located in the feedroll linkage which analyze crop throughput; this is combined with the machine's forward speed to give accurate yield information.

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.



REVOLUTIONIZING BALING EFFICIENCY WITH INTELLICRUISE™ AUTOMATION

Most fields have varying crop yields, and the resulting inconsistent swaths make it difficult to maintain a constant feed rate when baling. New Holland's ISOBUS Class 3 IntelliCruise™ Baler/Tractor Automation can make the adjustments for you!

INTELLICRUISE™ TRACTOR / BALER AUTOMATION

IntelliCruise automatically matches the tractor's forward speed to crop load at the BigBaler. A charge sensor on the stuffer continually monitors the bale charges, or slices, delivered to the bale chamber. The system measures the demand placed on the baler and adjusts the tractor's forward speed for optimal crop feeding. In areas with lighter crop, forward speed automatically increases so you consistently work at the capacity you specify. Using the IntelliCruise system results in:

- Dramatically reduced operator fatigue
- Up to 9% higher capacity and productivity compared to an inexperienced or fatigued operator
- Lower fuel consumption for lower production cost

TWO MODES OF OPERATION:

Charge Control Mode: The tractor speed is adjusted to achieve optimum feed rate capacity. The sensor paddles measure the throughput of crop yield fed into the pre-charge chamber and the time to fill the chamber is measured.

Slice Control Mode: The tractor's speed is adjusted according to bale slice thickness and the system will strive to obtain a consistent number of slices per bale (with corresponding slice thickness based on pre-set bale length) defined by the operator.



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™ display which prevents crop from being baled prematurely, and enables the precise application of additive.



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.



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 tons per hour are all displayed on the IntelliView™ display. 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 as precisely as required.



IDENTIFY EACH AND EVERY BALE WITH CROP ID

The Crop ID™ system records information in real time about every bale. As the bale passes through the chamber, an empty radio frequency ID tag is applied, and when it exits the chamber, and passes off the chute, the information recorded by the Crop ID™ Precision Information Processor, including bale weight, moisture content, date and time and its GPS location, are transferred onto the tag. An infrared scanner can be used to read the tag and to ensure the correct bale is selected for every situation.





PLM™ CONNECT TELEMATICS: KEEPING YOUR ENTIRE OPERATION CONNECTED

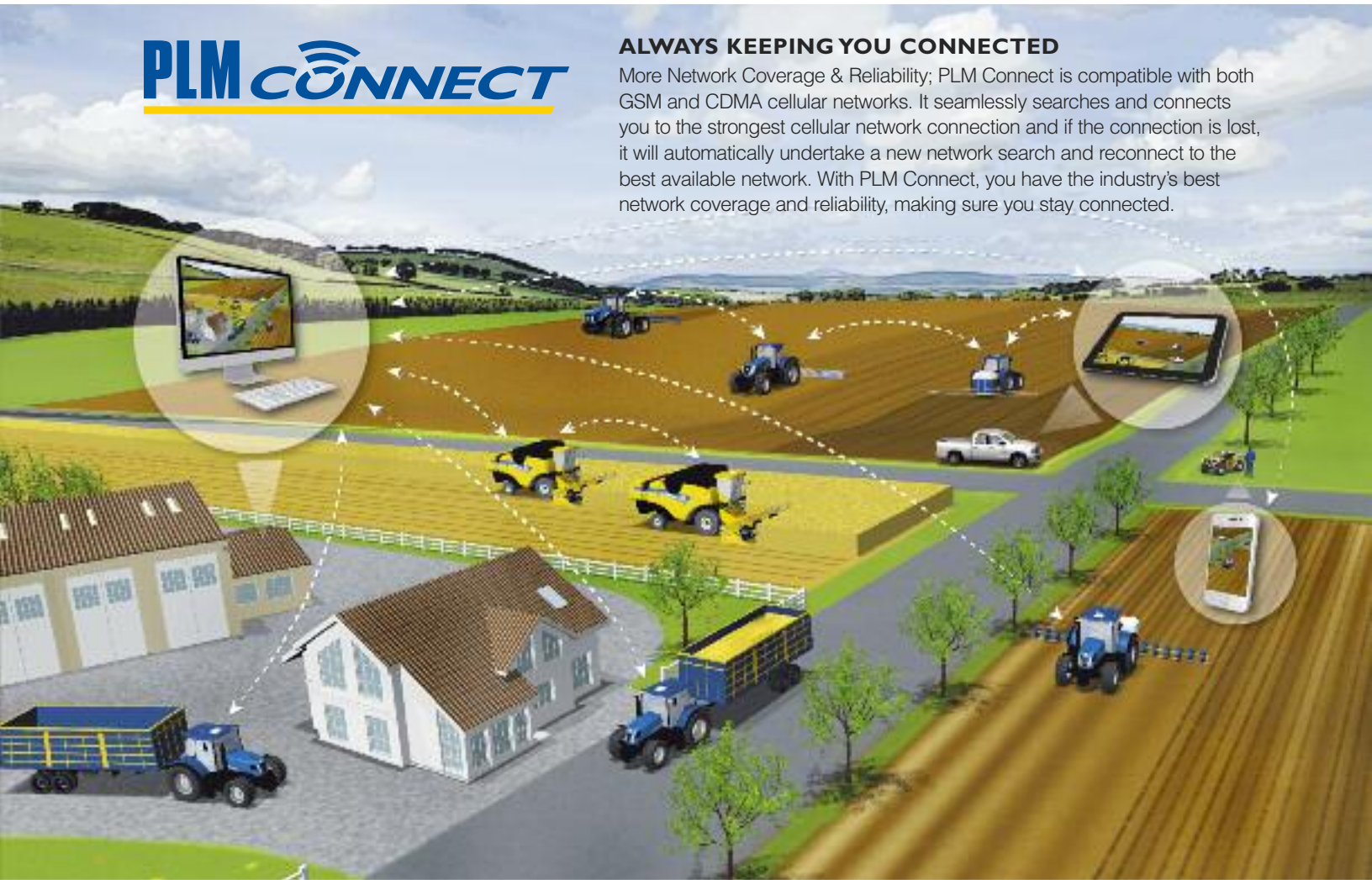
CONNECTED. EFFICIENT. PRODUCTIVE.

Agriculture is constantly evolving, and being able to make informed decisions with real-time information can have an enormous impact on your business's profitability. New Holland is integrating technology that will keep farm managers connected with their fleets, enabling them to optimize fleet productivity, utilization and logistics. With PLM™ Connect you receive real-time information on every machine working in your fields, so that you can use that data to make more informed decisions for improving productivity and efficiency across your farm. PLM Connect keeps you connected with your entire operation, enabling you to streamline field data into SMART farm management decisions.

PLM CONNECT

ALWAYS KEEPING YOU CONNECTED

More Network Coverage & Reliability; PLM Connect is compatible with both GSM and CDMA cellular networks. It seamlessly searches and connects you to the strongest cellular network connection and if the connection is lost, it will automatically undertake a new network search and reconnect to the best available network. With PLM Connect, you have the industry's best network coverage and reliability, making sure you stay connected.



PLM™ CONNECT ESSENTIAL:

The PLM Connect Essential packages provides the flexibility to work with both New Holland and other brands of equipment. It offers vehicle mapping and location, maintenance alerts, geo-fencing and curfews and basic machine monitoring and reporting.

PLM™ CONNECT PROFESSIONAL:

The PLM Connect Professional packages includes all of the features of PLM Connect Essential plus the ability to view vehicle CANBUS parameters on supported New Holland equipment in real time. This enables you to remotely monitor detailed machine information and communicate with your operators in real time, improving fleet utilization, productivity and efficiencies. You can also partner with your New Holland dealer to proactively prevent maintenance issues, or quickly resolve issues in the field, ensuring that your machines stay running during the most critical times.



PLM CONNECT WIRELESS DATA TRANSFER

Further increase your connectivity with the PLM Connect wireless data transfer feature. Using the cloud it enables easy and secure transfer of data to and from your machines, helping you make informed decisions and focus your input usage for optimal yield production.

FEATURE	PLM™ CONNECT ESSENTIAL	PLM™ CONNECT PROFESSIONAL
Vehicle/Fleet Management: <ul style="list-style-type: none"> - Vehicle mapping - Asynchronous updates - History/breadcrumbs 	✓	✓
Vehicle/Fleet Monitoring: <ul style="list-style-type: none"> - Motion detection & alarm after key off - Geo-fence alerts - Curfew alerts 	✓	✓
Vehicle/Fleet Maintenance: <ul style="list-style-type: none"> - Pre-populated maintenance card - Maintenance alerts 	✓	✓
Vehicle/Fleet Status: <ul style="list-style-type: none"> - Key On, Idle, Long Idle, Working, High Workload, Moving, Working & Moving, Working & Moving & Unloading, Unloading & Working, Unloading & Moving, Unloading, Field 	✓	✓
Reports: <ul style="list-style-type: none"> - Engine hours - Key On/Off - Equipment utilization including fuel - Proprietary CAN data reporting - Alarm management for CAN signals 	✓ ✓ ✓ – –	✓ ✓ ✓ ✓ ✓
Vehicle Dashboard: <ul style="list-style-type: none"> - Graphical representation of key vehicle parameters 	✓	✓
PLM® Connect to Vehicle Messaging: <ul style="list-style-type: none"> - Web portal to vehicle with predefined answers 	–	✓
Vehicle Display: <ul style="list-style-type: none"> - Vehicle parameters in run screens - Allow PLM™ Connect Live – Real Time Connection 	–	✓
Data Transfer: <ul style="list-style-type: none"> - Remote transfer of data to/from Vehicle/Office via PLM™ Connect 	Optional	Optional



THE ESSENTIALS OF PLM™ CONNECT

PLM Connect Essential can help improve the profitability and productivity of your farm. It offers the flexibility to work on all brands of machines, and can help you make informed decisions for optimizing your fleet's utilization and logistics.



ULTIMATE MACHINE SECURITY

Enhance your machine's security with geo-fences and curfews. With geo-fencing technology, you can predefine working areas for your machines and receive alerts if they leave this area. You can also set curfews so that you are alerted if your machines are used outside of the predefined working hours.



FULL COMPATIBILITY

PLM Connect Essential technology is fully compatible with all makes of machines. The only requirement: a 12 volt power supply! This also means that you can use PLM Connect Essential with older machines that have given you many years of productive service as well as in multi-branded fleets. This solution offers you the ultimate in ease of use, as you simply plug the device in and away you go.

MAXIMIZING OUTPUTS

PLM Connect Essential technology enables you to compare and contrast the results from different fields and with different operators. By analyzing this data, you can then ensure that best practice is replicated across the entire farm to maximize productivity and profitability.

MAXIMIZING OUTPUTS

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REAL-TIME MONITORING

PLM Connect Essential is your eyes and ears in the field. You can remotely monitor where your machines are and proactively plan where they are going to best optimize the utilization and productivity of your fleet.

MAINTENANCE ALERTS

This feature alerts you when planned maintenance is due so that it can be scheduled for the most convenient time. You can also see real-time vehicle status through your PLM Connect virtual dashboard, which enables you to monitor key operating parameters to maximize efficient farming.



PLM™ CONNECT PROFESSIONAL: KEEPING YOUR FLEET CONNECTED

New Holland knows that there are many complexities to manage within your farm operation, and making sure your equipment stays running at peak utilization is key. PLM Connect Professional enables remote monitoring of detailed machine information contained on the machine's CANBUS. This means you can partner with your New Holland dealer to proactively prevent maintenance issues, or quickly resolve issues in the field, ensuring that you get maximum productivity from your machines and that they are always running during the most critical times.



REMOTELY MANAGE MACHINES FROM THE OFFICE

By using the PLM Connect virtual dashboard, you can monitor key operating parameters such as engine speed, hydraulic oil temperature, fuel level, and much more, to manage individual vehicle efficiency. You can also receive fault code alerts so that any service issues that arise can be quickly resolved.

ACCURATE VEHICLE COMPARISONS

Now you can accurately compare the performance of multiple machines to ensure that the most efficient machine settings are used across your entire fleet. You receive data from each field, helping you track operating costs and make informed decisions for improving operating efficiencies.



OPTIMIZING FLEET MANAGEMENT

Monitor up to 40 different vehicle parameters in real time. This allows you to proactively optimize each vehicle's settings using a simple messaging service, which is used to send the operator information on how they can implement the ideal machine settings to improve performance. This feature can also be used to remotely troubleshoot any service issues that might arise, minimizing any downtime and ensuring that your equipment is quickly back up and running.



INTERACTIVE MESSAGING

With PLM Connect Professional, you can instantly communicate between your office and your operator in the field. By using the online portal, you can communicate key data or instructions to operators, who can respond using predefined messages, to ensure safety when working.



ALWAYS IN TOUCH

PLM Connect technology keeps you connected with your machines, 24 hours a day, 365 days per year. Whether you are in the farm office, in your car or on vacation, you will be able to stay in touch with your machines and your operators.



WIRELESS DATA TRANSFER

ENABLING SMART DECISIONS

PLM Connect further enhances your connectivity with its new wireless file transfer feature that uses the cloud to easily and securely transfer data to and from your machines. This means easier access, or transfer, of data such as guidance lines, boundaries, variable rate prescriptions, as-applied data, coverage maps, yield and moisture data, etc.



PLM *CONNECT*

TRANSFORMING DATA INTO ANSWERS





WITH PLM CONNECT, YOUR DATA IS SECURE AND IN YOUR CONTROL.

Your data is only accessible by you, or a trusted service provider that you grant permission to access it. Bringing value to your data provides opportunity to realize continuous year over year improvements and yield increases. Every year there is new opportunity to learn from data and continuously improve fact-based decisions that enhance performance and profitability. PLM Connect can help you begin transforming your data into answers for optimizing input usages and improving yield productions every year.

- Near real time access of agronomic data from your equipment
- Easy access of production data through the PLM Connect portal on your tablet or desktop computer
- Easily and securely share data with trusted advisors
- Use informed fact-based decisions to continuously improve yields every year
- Gain valuable insights that reduce risk and increase profits

OWNERSHIP • CONTROL • TRANSPARENCY

Farming data holds a great amount of power if used for the right purposes, but there is also a lot of concern regarding how data is being used and the transparency around who has access to it. New Holland's policy is that you, the farmer, own the agronomic data generated from your farm with your equipment, and have the right to control who has access to it. Neither New Holland, nor its dealers, will have access to your agronomic data. If you decide to grant a third party service provider access to your data, PLM Connect has built in administrative levels that enable you to control the level of access they have. We understand the importance of data and its potential to transform agriculture, but for this to happen it is imperative that you maintain control and ownership of your data.

New Holland's parent company is a founding member of the OpenAg Data Alliance, or OADA, a not-for-profit community that is working to create a set of open API's for securely using data with the cloud, and ensuring that producers retain control over their data. The OADA is actively working to ensure the security of farm data, privacy and interoperability between different systems. New Holland is a proud member and supporter of the OADA.



NEW HOLLAND PLM™ CERTIFIED DEALERS

COMMITMENT. SUPPORT. EXPERTISE.

New Holland has a comprehensive network of PLM Certified Dealers with dedicated personnel who specialize in precision technologies. We know that during critical times, such as planting or harvest, you cannot afford any losses in productivity. New Holland PLM Certified Dealers have specialists on-site that have the training, knowledge and expertise to keep you running in the field and getting the most from your investments. Just look for the PLM Certified Dealer sign and you will find the experts that can give you the level of knowledge and support needed for today's precision technologies.





A COMPLETE SOFTWARE PACKAGE FOR 360° FARM PROFITABILITY

PLM™ SOFTWARE



Farming operations are increasingly demanding better farm management solutions. The advanced PLM software package offers a complete range of farm office solutions for transforming field data into more informed farm management decisions that can help maximize yields and efficiencies.

PLM™ VIEWER

A zero-cost package that enables the reading and writing of data such as client, farm and field names, together with job data including yield and coverage maps, to popular precision farming devices.

PLM™ MAPPING

This is the main package for record keeping of fields, mapping and analysis.

- Layer variety maps with yield maps to analyze performance
- Average multiple years of yield maps together to discover consistently high- and low-yielding areas
- Create variety maps manually or import them from precision farming hardware
- Analyze the performance of different varieties across your farm
- Enter, or import, the results of soil tests and generate a map of the data
- Create variable rate application prescription maps
- Create, edit and manage guidance paths
- Print reports for seeds varieties, restricted use chemicals, fertilizer usage, equipment maintenance and more.
- Set up clients, farms, fields, and crop/year enterprises for quick access to field records
- Track inputs, production, and crop rotation information
- Enter crop plans for product ordering, budgeting, equipment usage, and employee allocation
- Design and print invoices for custom farming or other jobs



PLM™ BOOKS

Farm management accounting software package.

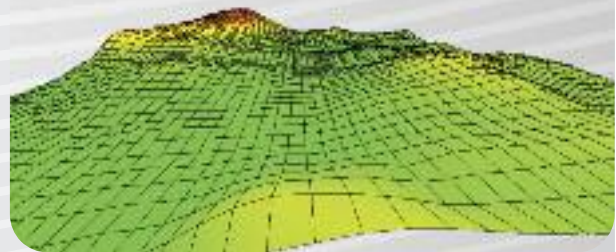
- Manage the profitability of field, livestock groups and equipment
- Print tax reports for both cash and accrual ledgers
- Keep up to date with the inventory records on supplies, seeds, chemicals, fertilizer, feed, harvested crops and livestock
- Keep accounting records at the same time as keeping field histories, livestock notations and chemical records
- Enter grain contracts and print out a position statement to know how much grain is left to be contracted



PLM™ WATER CONTROL

Identify optimal placement of tile and surface drains in both surface and sub-surface drainage projects.

- Determine the various watershed zones of the field to assist with main, sub main, and lateral pipe placement
- Enable flow arrows and tributary lines to assist with tracing the natural surface water flows
- View field topographical data in 3D from any angle and exaggerate the vertical to visualize the shape and slopes of the field
- Create levee paths from topography data based on contour, interval, and turn radius settings
- Layout and design drainage tile by size, pipe type and phase
- Utilize the drawing tools to tie laterals to mains, create parallel lateral spacing's, and clip drainage lines
- Easily make design adjustments based on vertical profile and set or change direction of water outlet
- Print a report that shows the amount of material required to complete the job



PLM™ MOBILE

Software for mobile, handheld field computer devices

- Enter field records on the go and view past histories of past hybrids, chemical applications, tillage practices, yield and more
- Map field boundaries, drainage lines, pivots, ditches, and other points of interest
- Record scouting attributes such as weed and insect types, notes, tile diameter, and more
- Utilize grids or management zones for soil sampling
- Control one or more products for variable rate application using prescription maps
- Creates "as-applied" data which can be downloaded into the desktop software



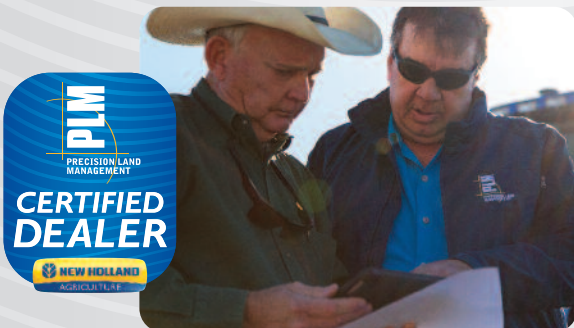
ALWAYS WITH YOU IN YOUR FIELD

PLM™ CERTIFIED DEALERS

Commitment – Support – Expertise

At New Holland, we understand the value of your time and how any loss in productivity can be costly to your operation, especially during planting or harvest. That's why we have a comprehensive network of Certified Precision Land Management (PLM™) Dealers who have specialists that have the knowledge, training and expertise in precision technologies to keep you running and getting the most from your PLM investments. Just look for the PLM Certified Dealer sign and you are sure to find the experts that can give you the level of knowledge and support needed for today's precision technologies.

- Committed to delivering fast, top-quality service and support
- Keeping you running during the most critical times
- Helping you farm smart with New Holland precision



MY NEW HOLLAND

Manage your PLM applications and your entire farm operation, equipment and support through one centralized location. **MyNewHolland.com** provides the infrastructure for connecting your farming operation and sharing information, while using PLM Connect telematics to manage your fleet logistics, utilization and productivity.

- PLM Connect
- PLM Customer Support
- Product technical guides & manuals
- Warranty documents
- PLM training materials
- Frequently Asked Questions
- Industry news
- Single point of access to other New Holland applications

*Single sign on access with PLM Connect available in 2016.

www.MyNewHolland.com



Download the New
My NewHolland App



PLM™ CUSTOMER SUPPORT LINE

New Holland's Top Service offers a dedicated PLM hot-line that is available around the clock with highly trained operators waiting to take your call and resolve any potential issues and answer any questions you may have.

- 24/7/365 technical support on PLM™ guidance and precision farming products
- Fast support to help maximize your uptime and productivity
- Experienced support staff
- One-stop responsibility for resolving issues until final resolution



ENROLL IN PLM™ ACADEMY AND STAY AT THE FOREFRONT OF PRECISION TECHNOLOGY AND SOLUTIONS.

PLM™ ACADEMY

If you would like to find out more about PLM products, then why not enroll in the PLM™ Academy. A wide range of courses are available, both web based and instructor led, to help you further enhance your knowledge and maximize the value of your PLM™ investment.



TRAINING ACADEMY



WEB BASED TRAINING

- Choose from a wide range of web based courses, tutorials and video lessons to help answer frequently asked questions.
- Courses are designed to provide the tools and knowledge to help you get the most from your PLM investment
- Online training courses and free tutorials are available at plmacademy.newholland.com
- Ask your local New Holland dealer for more details

PLM ACADEMY APP

The new PLM Academy App gives you remote access to valuable tutorials and videos through your smart phone or tablet.

- Remotely access tutorials & video lessons, even while in your machine
- Easy access for machine operators
- On the job learning while in the cab or field
- Availability of the videos and tutorials in "offline" mode
- Continuous updates of content



INSTRUCTOR LED CLASSES

Ask your local New Holland dealer about opportunities to attend an instructor-led training session to learn from expert trainers in a hands-on-small-group environment.



plmacademy.newholland.com



VALUE, SERVICE AND SOLUTIONS

There's a certain way of thinking that comes from living on a farm. Farming takes equal parts brain and brawn. Not to mention thick skin, calloused hands and a fair share of know how. Seasoned farmers know it helps to have equipment that's built by farmers, sold by farmers and used by farmers.

Support at every step. When you place your confidence in New Holland agricultural equipment, you get the finest in local support. Your New Holland dealer understands the many challenges you face and stands behind you at every step with the equipment, parts, service and financial solutions to make your job easier. Look to New Holland for a complete selection of equipment, including a full line of tractors, hay & forage equipment, harvesting, crop production and material handling equipment.

Quality parts and service. Turn to your New Holland dealer after the sale for expert, factory-trained service and genuine New Holland-branded parts. Your dealer has the very latest service updates and training to ensure your equipment keeps working productively season after season.

Financing solutions. Your New Holland dealer can tell you about smart ways to turn your financial challenges into opportunities with a portfolio of innovative financial services available through CNH Industrial Capital, including customized financing, leasing, insurance and the purchasing convenience of a Commercial Revolving Account.

For reliable equipment, parts and service — or just honest advice on farming and finance — turn to New Holland and your trusted New Holland dealer. We know. We're farmers, too.



We are proud to support the FFA.

Learn more at www.newholland.com/na

Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.

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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

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