FARM WITH PRECISION WITH NEW HOLLAND





Welcome to the world of PLM[™].

New Holland's approach to PLM[™] can be summed up in four words: **Open, Connected, Smart, Supported.** With a full range of correction signals, New Holland's modular solution can be used on any machine. Intuitive, user-friendly interfaces mean you can use guidance with confidence and Precision Land Management software enables you to download and analyze yield data to fine tune inputs and reduce costs. Advanced telematics systems enable you to synchronize in-field working between machines from the comfort of your office.

As 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 reduces 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. If you are ready to start saving time and money, work more comfortably and get more out of every season with precision farming, New Holland Precision Land Management is waiting for you.







OPEN

New Holland knows that modern agribusinesses prize flexibility as it is your passport to higher productivity and profitability. That is why PLM is fully compatible with all brands of machines and implements. Giving you the flexibility to pick the right machines for your farm. Always.

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CONNECTED

As you know what is happening in every field you are working in, you can make the right decisions from the comfort of your office. This can help you optimize large machinery fleets: you can plan the next operation based on where machines are now. By keeping an eye on the online vehicle dashboard you can maximize uptime, improve productivity and efficiency and even optimize fuel consumption.



SMART

Intuitiveness defines PLM technology. An intuitive in-cab display means operators can efficiently browse key parameters and communicate with the farm. The easy-to-use web portal enables accurate management of all data and facilitates speedy decision making based on real-time information.

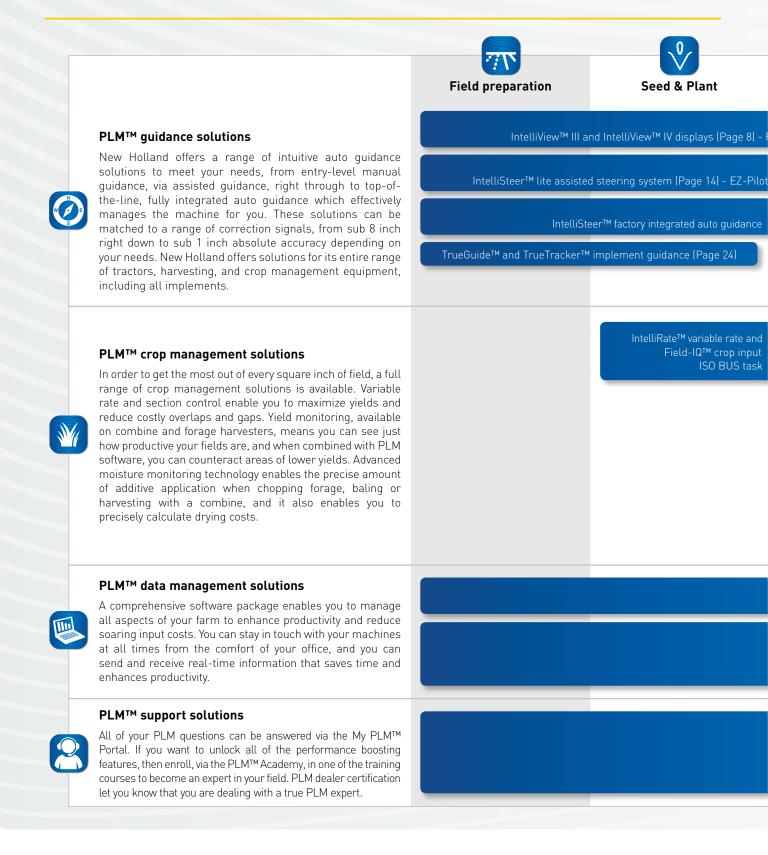


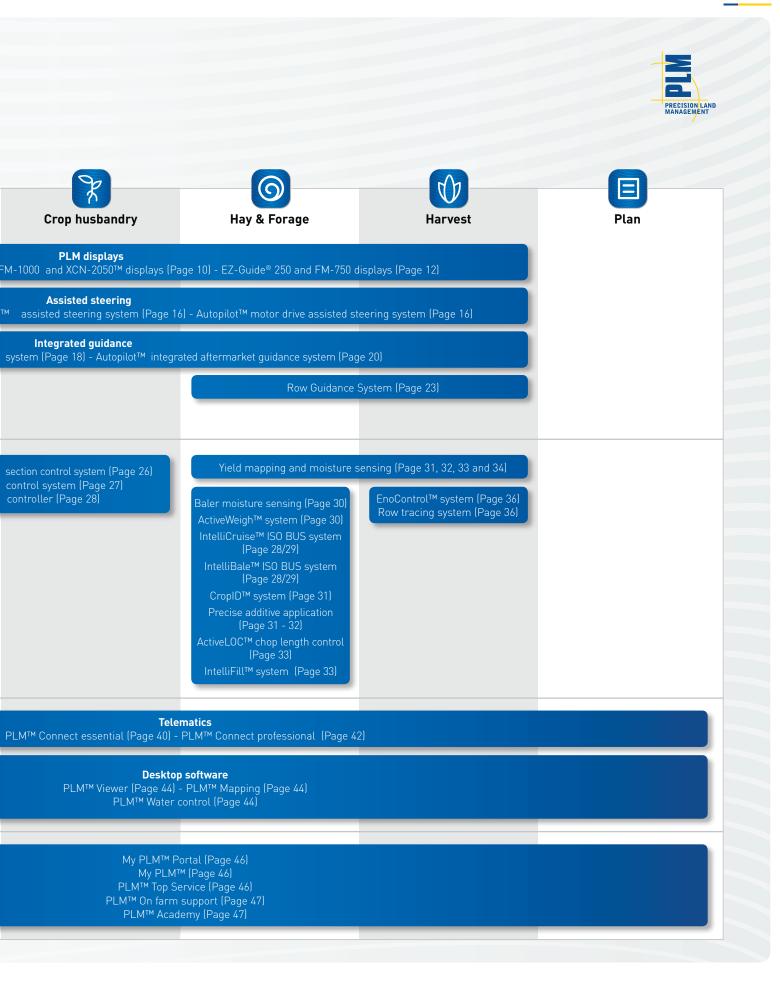
SUPPORTED

New Holland is available around the clock, 365 days per year to enable you to get the very best out of your PLM software. PLM Certified dealers can help you make the correct choice for your farm. PLM Customer Support is always on hand to enable you to maximize the performance of your current package. If you want to fine tune your skills, why not enroll in a PLM End User training course to unlock your PLM package's full potential.



Your precise reference for precision farming.





What level of precision do you need?



The Global Positioning System (GPS) is a satellite navigation system and is part of a larger system called the Global Navigation Satellite System (GNSS). GNSS is a term used for all positioning data satellite constellation. GLONASS is similar to GPS and both are available worldwide. Currently GNSS includes GPS and GLONASS systems. When auto guidance receivers track both GPS and GLONASS signals together, the number of 'visible' satellites is greatly increased which reduces the risk of losing satellite coverage for increased uptime. New Holland auto guidance solutions are compatible with a full range of guidance correction signals so that you can choose the exact level of precision that your operation requires. Earth- and land-based receivers use GPS and GLONASS correction signals to determine their own position. However, this alone is not accurate enough for agriculture, therefore a correction signal must also be used.

Precision	PLM RTK+ +/- 1 in	RTK +/- 1 in	CenterPoint™ RTX +/- 1.5 in	OmniSTAR G2 /XP/HP 2" - 4"	RangePoint RTX +/- 6 in	WAAS 6" - 8"
Spraying	•	٠	•	٠	•	٠
Spreading	•	٠	•	•	•	٠
Tillage	•	٠	•	٠	•	٠
Mapping	•	•	•	•	•	•
Mowing	•	•	•	•	•	•
Harvesting	•	•	•	•		
Seeding	•	•	•	•		
Hoeing	•	•				
Bed forming	•	•				
Precision planting	•	•				
Strip till	•	•				



The extensive RTK range offers up to sub 1 inch absolute accuracy

RTK Radio Transmission uses a network of base stations in conjunction with radio correction signals to broadcast within an 8-mile radius of the base stations, when not obstructed by hilly terrain. With this level of accuracy, you can conduct row crop applications, strip tilling, land levelling and even drainage applications which require precise horizontal and vertical accuracy. Quite simply, it's the most accurate precision farming solution around, together with accurate repeatability.

CenterPoint[™] RTX provides remote farms with +/- 1.5 inch accuracy

For businesses in the most remote locations, or that cover vast areas, CenterPoint RTX uses a network of satellites or your mobile telephone network, where coverage allows, to broadcast correction signals to keep your machine on the straight and narrow, thanks to outstanding repeatability.

RangePoint RTX offers +/- 6 inch accuracy RangePoint RTX correction delivers a reliable, +/- 6 inch, pass-

to-pass accuracy. This is ideal for all spraying and fertilizer applications.

xFill: backup for an RTK signal

Customers that work in rolling terrain, or when topography blocks the line of sight from the base station, xFill technology offers a reliable solution. xFill is a dependable backup system, which provides up to 20 minutes of correction following the loss of an RTK signal.

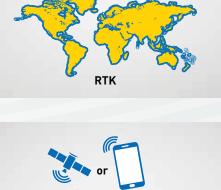
New xFill[™] Premium key features

xFill™ Premium is a subscription-based feature that allows extended use of CenterPoint RTX when traditional xFill™ either times out or degrades below the accuracy of CenterPoint RTX. When RTK correction signal is interrupted, xFill™ Premium can seamlessly transition the correction signal type from RTK to CenterPoint RTX, allowing the customer to continue running without interruption and without a line shift. Once RTK correction returns, the system will automatically return to using the RTK correction signal.



XFILL[™] TECHNOLOGY

RTK Corrections





CenterPoint RTX



Intelligent operation for intelligent machines.



IntelliView[™] III and IV touchscreen monitors

The IntelliView[™] III and IV color touchscreen monitors are your partner in all farming operations. The IntelliView[™] IV is standard on New Holland SideWinder[™] tractors, all CX and CR combines, the FR forage harvester line and Speedrower[®] self-propelled windrowers and on the BigBaler line. The IntelliView IV can also be used as a second screen for precision farming applications on New Holland tractors fitted with the SideWinder armrests, and CX and CR combines with the Harvest Suite[™] cab. Both the IntelliView[™] III and IntelliView[™] IV displays communicate directly with the IntelliSteer[™] system together with the machine's CAN Bus, and display key operating parameters in real time on just one screen. Maximum operator comfort is guaranteed thanks to the intuitive operating logic which enables you to select the precise information you wish to browse, monitor and control.



Guidance options with IntelliView™ monitors

Accuracy levels

- Assisted guidance with the IntelliSteer[™] lite system
- Fully integrated auto guidance with IntelliSteer[™] system



Plug and play ISO BUS compatibility

The IntelliView[™] III and IV color touchscreen displays are not simply machine noticeboards. Far from it! They are fully ISO BUS compatible, so can be used to operate a wide range of implements including balers and sprayers. The result? One monitor controls all applications. By using one screen you can switch between tasks even quicker and improve overall visibility. The ISO Task Controller further integrates implement functionality within the PLM package and can manage a whole range of implement parameters to provide precision control of implements to maximize productivity and efficiency.

Guidance. Machine control. Perfect.

New Holland knows that operators need to keep an eye on both key machine parameters as well as guidance information. That is why they have developed the dual screen solution. Customers can view IntelliSteer[™] auto guidance run screens and coverage maps as well as vehicle controls simultaneously.

Advanced IntelliRate[™] control system

The IntelliRate[™] control section is operated from the comfort of the cab. Use the cab-mounted monitor to fine tune inputs and manage section and rate control of sprayers, to prevent overlaps, to control dosage rates depending on yield data and to eliminate gaps; this will optimize inputs to maximize outputs.





Ultimate comfort

With auto guidance you can concentrate on the task at hand, ensuring your header is 100% full, the crop flow is uniform or that your implement is performing as it should. This offers significant gains in productivity. The T6 Auto CommandTM, T7, T8 and T9 tractor lines benefit from the SideWinderTM II armrest, which has set the benchmark in operational comfort, all controls fall perfectly to hand, and the 40° of seat swivel makes working with rear-mounted implements a breeze. The CX, CR, SPW, and FR lines benefit from industry leading consoles which enhance operational ergonomics for significant productivity increases.

These products are suitable for:



7-inch IntelliView[™] III display. For fingertip touchscreen monitor control.

10.4-inch IntelliView™ IV display. Wide touchscreen offering an all new intuitive user experience.

Fingertip adjustment of all key settings. Together with full compatibility with the New Holland IntelliSteer™ guidance system.

Monitor and record field performance operations. Area and distance, fuel usage, acres per hour and engine operating parameters, slip and work rate can all be recorded and monitored.



Up to three cameras

Linked to the IntelliView[™] III and IV monitors, they are perfect for monitoring implements and eliminating blind spots while maneuvering and unloading.



USB flash drive

Simply transfer your day's coverage maps to your computer using a USB stick and easily print out coverage reports and import/ export field and variable rate coverage maps via the same USB.



Guidance patterns

The IntelliSteer™ system, when linked to the IntelliView™ III and IV monitors, can apply a number of different steering patterns.

Advanced monitors for advanced farming.



The most sophisticated guidance systems require an intuitive monitor that provides instant control of all key parameters and real-time feedback based on actual field conditions. Both the FM-1000 and the XCN-2050[™] monitor can be fitted to a range of machines, as and when required, which means operators benefit from only needing to learn how one screen works. This significantly enhances operational efficiency. The FM-1000 and the XCN-2050[™] displays offer industry-leading performance and deliver productivity-enhancing color touchscreen functionality to enhance your agribusiness day in, day out.

FM-1000 display. Flexible operation. Efficient farming.

The FM-1000 offers you ultimate performance and reliability with the industry-leading dual integrated GPS and GLONASS receivers. It handles the full range of guidance tasks with ease, including steering and also offers fingertip mapping control. You can even choose the level of accuracy required, from 8 inches down to sub 1 inch pass-to-pass and year-to-year. **PLM Water management compatible**

XCN-2050™ display. Sophisticated guidance. Intuitive operation.

The ultra-wide screen XCN-2050[™] display is compatible with the full range of correction signals and offers intuitive, color multi-touchscreen operation. It has been designed to ensure full integration with advanced PLM technology including yield and moisture sensing, as well as a whole range of other precision guidance applications.

FM-1000 App on the XCN-2050 display

The FM-1000 App enables the control of the following features

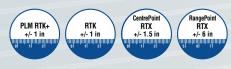
- Water management
- Implement steering
- Field IQ
- Vehicle sync
- Yield monitoring



Guidance options with FM-1000 and XCN-2050

- Manual guidance Lightbar.
- Assisted guidance with EZ-Pilot[™] system.
- Integrated auto guidance with retrofit $\mathsf{Autopilot^{\mathsf{TM}}}$ system

Accuracy levels



Large 12-inch touchscreen

Best visibility from a bright and large screen. Toggle between plan and 3D views or zoom in/out with just a tap of your finger.

Planter and sprayer monitoring and control

ISO BUS compatible

TrueGuide. Correct the position of your tractor to keep the implement on path.

TrueTracker. Correct the position of your implement to keep it on path.

Wireless data transfer. Transfer your data from the field to the office with PLM[™] Software.

Field Finder technology. Automatically locate stored fields as you drive near them.

Field-IQ[™] crop input

With compatible control systems, use section control and variable rate application control technology to prevent seed and fertilizer overlap and manage the rate of seed, liquid or granular application.

USB stick

Simply transfer your day's coverage maps to your computer using a USB stick and easily print out coverage reports and import/ export field and coverage maps via the same USB.

Fingertip assistance

You are only ever a touch away from PLM assistance. Contact highly trained PLM specialists through the FM-1000 or XCN-2050[™] display to solve all of your PLM queries while you are still in the field.

Row Guidance system

Connected Farm

Use Connected Farm to automate real-time map sharing of overlap areas by combining the FM-1000 or XCN-2050[™] display, your modem and the Field-IQ[™] system.

Dual receiver

Two GPS plus GLONASS receivers provide ultimate precision for the vehicle, as well as working implements working behind the tractor.

Radio (Optional)

Integrated 430 to 470Mhz radio for RTK correction reception.

Yield and moisture monitoring

Collect crop yield and moisture data in real time during harvesting via sensors connected to the FM-1000 integrated display.





These products are suitable for:





EZ-Remote[™] control

The EZ-Remote[™] joystick mounts to any tractor console, providing an even more convenient way to control a variety of guidance display functions from the cab. It enhances a wide range of tasks, from basic guidance operations to more advanced operations and features programmable keys for rapid engagement of tasks. Furthermore, operator comfort is enhanced, as they can rest their arm on the armrest without the need to reach for the display.



Seven guidance patterns

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

XCN-2050[™] display specific

Boom height control

Automatically adjust the height of your ISO BUS compatible sprayer boom via the display.

Triggered output

Just imagine a machine that automatically switched itself off when it was outside of your pre-defined boundaries. Well GPS triggered output technology does just that! When spraying or applying fertilizer for example, if the system detects the machine has breached a boundary, inputs will be switched off to prevent costly waste.

Access paths

An access path is a space between your guidance lines. This feature is particularly useful if a road or another field feature, which breaks the constant flow of swaths, passes through the middle of your field. The system can be programmed to take account of these features to prevent wasted inputs or inappropriate activity in these areas. You can add either straight or curved paths for maximum flexibility.

Video camera inputs

Lighting up the way with manual guidance.



The entry level guidance solution allows you to explore GPS guidance through a simple and affordable lightbar display. A lightbar based guidance system provides you with visual feedback to keep you on your intended path. You simply need to follow the green lights to stay on the right path. It even shows you which direction you need to steer in and by how much to keep your machine on the straight and narrow!

EZ-Guide[®] 250 display get on and go simplicity

The EZ-Guide® 250 is an easy-to-use and affordable tool that offers up to +/- 8 inch pass-to-pass accuracy. The built in OnPath® filter technology provides improved pass-to-pass accuracy and the EZ-Guide 250 is compatible with all makes and models of equipment.

4.3-inch color screen

Choose between plan and 3D perspective views, to see at a glance where you are and what you've been doing.

15 bright guidance LEDs

Give you quick visual feedback to keep you on track.

Built-in GPS receiver

Provides submeter accuracy, or WAAS 6-8 inch pass-to-pass accuracy with optional antenna.

Field Finder technology

Automatically locate stored fields as you drive near them.



Guidance options with EZ-Guide® 250

- Manual guidance Lightbar.
- Assisted guidance with EZ-Steer[™] system.





CURVE

CURVE

PATTERN

Seven guidance patterns

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



Accuracy levels*



WAAS

6 - 8 in

These products are suitable for:



FM-750 display. The cornerstone of guidance, capable of 1-inch accuracy.

The FM-750 is a multi-function display, and has a built-in receiver that allows you to choose the accuracy your application requires from 6-8 inch to sub 1 inch pass-to-pass and year-on-year. When you need a DGPS guidance system that saves you time, fuel and inputs, look no further than the FM-750.

8-inch touchscreen

Switch to Night Mode for better visibility at night. At row ends, easily find the next path with SwathFinder assistance.

27 bright guidance LEDs

Give you quick on-line visual feedback to keep you on track.

Attachable RTK Radio

Dual external video input

Planter and sprayer monitoring and control

Boom height control

Boom height control Automatically adjust the height of your sprayer boom when used with Field-IQTM control system.

Built-in GPS and GLONASS receiver

Upgrade to receive GLONASS satellites and increase your satellite availability to extend your operating hours.

USB stick

Simply transfer your day's coverage maps to your computer and easily print out coverage reports and import/export field and coverage maps.

Field-IQ[™] crop input control systems compatible

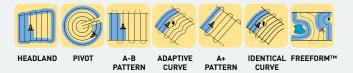
With compatible control systems use section control and variable rate application control technology to prevent seed and fertilizer overlap and manage the rate of seed, liquid or granular application.





External lightbar

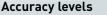
Position the optional lightbar just where you want for at-a-glance guidance path information.



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

Guidance options with FM-750

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





IntelliSteer[™] LITE system. The integrated "light" solution.



New Holland knows that each farmer has their own auto guidance requirements, and that is why you can count on the efficient IntelliSteer™ LITE solution. It is managed through the existing IntelliView™ color touchscreen monitor, keeping the cab uncluttered and delivers outstanding accuracy, as high as sub 1 inch when used with an RTK correction.

IntelliSteer[™] LITE. Intelligent assisted guidance.

The all-new IntelliSteer[™] LITE solution offers the user experience of traditional IntelliSteer[™] fully integrated auto guidance with the flexibility of being able to quickly and easily remove it and install it on another machine on your farm. Perfect during harvest, when you can simply remove it from your tractor and install on your New Holland combine. Controlled through the in-cab IntelliViewTM color touchscreen monitor, this intuitive system offers get in and go efficiency with pass-on-pass and year-on-year repeatability as high as sub 1 inch when used with an RTK correction signal.

- Compatible displays
- IntelliView[™] III color touchscreen monitor
- IntelliView[™] IV color touchscreen monitor



NH 372 receiver

This top-of-the-line receiver is compatible with RTK Radio Transmission, RTX and GLONASS correction signals to guarantee year-round, and season-afterseason productivity and accuracy. Its slim profile makes it perfect for all machines.

This product is suitable for:



Cygnus-A receiver

Whether you are looking to add IntelliSteerTM LITE to your operation or simply need a receiver for yield monitoring, the new PLM Cygnus-A receiver is the perfect solution. From WAAS to the ultra-accurate PLM RTK+, whatever your accuracy needs, the PLM Cygnus-A delivers. Ability to accommodate a mixed fleet of different brands and older and newer New Holland models, ensuring simplicity. The PLM Cygnus-A receiver offers customers a midrange solution.



IntelliView[™] - visible intelligence

The ultra-widescreen 10.4-inch IntelliView[™] IV color touchscreen monitor can be used to manage the optional IntelliSteer[™] lite auto guidance system. The IntelliView[™] monitors enable fingertip programming of a variety of guidance paths, from straight A-B runs to the most complex adaptive curves. You can personalize your settings simply and easily and also transfer data using PLM Connect File Transfer and PLM desktop software packages.

IntelliSteer[™] LITE controller

This control system is used to manage both the vehicles steering and the steering control systems. It can measure inertia and has a built-in compass to determine the vehicle's heading which works even when the vehicle is stationary and resumes quickly after key on.

16 PLM GUIDANCE SOLUTIONS

EZ-Pilot[®] system and new Autopilot Motor Drive. The "invisible" steering assistant.



EZ-Pilot is a high-performance, low-cost, assisted steering solution that is sleekly integrated into the vehicle's steering column.

- T3™ Terrain Compensation Technology
- Different platform kits available for NH vehicles and competitive machines
- Easy transfer between vehicles
- Use the EZ-Pilot motor and navigation controller III for very low speed applications and reverse operations.



Advanced motors for guaranteed productivity

The sleek motor design is fully integrated into the steering column and provides clear access to the instrument cluster and other vehicle controls while maintaining telescopic functionality where present. The high-torque electric motor has been developed to overcome the resistance of machines with more rigid power steering systems for guaranteed performance. A fast-reacting electric motor allows the system to quickly make steering adjustments to keep the vehicle online and make sure it stays there.

Flexible installation options

You have the choice of using your machine's original steering wheel or installing the optional steering wheel which provides an offset that returns the wheel back to the original height.

Compatible displays

- FM-750 monitor
- FM-1000 monitor
- XCN-2050™ monitor



This product is suitable for:



AG 25 antenna

This antenna can be combined with the FM-750 FM-1000 and XCN-2050[™] monitors, and is fully compatible with the full range of correction signals, including GPS, GLONASS OmniSTAR and RTK, where a RTK radio is used.



EZ-Pilot[™] controller

Using data from the GPS receiver, the EZ-Pilot controller sends precise instructions to the steering wheel motor. T3™ Terrain Compensation technology continually corrects for roll, pitch and yaw by using three axis solid-state inertial sensors to give you a true on-ground position.

New Autopilot Motor Drive

Upgrade your EZ-Pilot[™] system with the Navigation Controller III to create the Autopilot Motor Drive system. This system provides higher accuracy at low speeds and enables reverse drive operation.

Fully integrated New Holland auto guidance.



IntelliSteer[™] system

IntelliSteer is a fully integrated New Holland-designed and -developed Automatic Steering System. Available from the factory or as a retrofit package, the IntelliSteer™ system maximizes productivity and efficiency to optimize your yields and to increase your profits. Matching DGPS or RTK Technology to fully integrated control, IntelliSteer helps ensure parallel pass-to-pass accuracy of up to 1 inch. IntelliSteer is the natural choice for precision work in even the most demanding conditions and it has been designed to dramatically enhance operator performance and comfort. Furthermore, this can be linked to Controlled Traffic Farming (CTF) applications. In line with New Holland's Open Strategy, New Holland's capability to utilize and export different competitive A-B guidance lines with IntelliSteer allows maximum flexibility.

A complete guidance package

You can order your machine with either IntelliSteer as a factory-installed option, or simply with an IntelliSteer™-ready package. This top-of-the-line option is available on the T6, T7, T8 and T9 lines, as well as on SPW, FR, CX and CR combine series. The system includes a NH 372 receiver, steering angle sensor, or a solid-state gyro, the Navigation Controller III, a hydraulic control valve which converts the signals from the Navigation Controller III into hydraulic movements of the steering system.

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.

IntelliSteer On and Off simplicity

The CommandGrip[™] handle* incorporates a single button that is used to activate the IntelliSteer[™] system. Making advanced technology accessible is a key New Holland hallmark. *T6 Auto Command, T7, T8 and T9 tractors.

Compatible displays

- IntelliView[™] III color touchscreen monitor
- IntelliView™ IV color touchscreen monitor



NH 372 receiver

The New Holland 372 antenna receives RTX Range Point and RTX Centre Point signals, and tracks GLONASS satellites to guide the vehicle. This antenna can easily be transferred from tractor to tractor or even to your combine or forager. For RTK applications a slim-profile radio mounts underneath the receiver.

This product is suitable for:





Headland Turn Sequencing II: hassle-free repeatability

HTS II is available as an option. This intuitive system means you can easily record and store all implement sequences and operations at the headland. These can then be played back at the touch of a button. Now, it gets interesting. It's even easier to modify pre-recorded sequences, so when things change, your HTS sequence does as well! Simple, and a great way to improve repeatability and efficiency and to reduce fatigue when working over extended periods.



IntelliTurn™ - Intelligent End-of-Row-Turn system

IntelliTurn facilitates an Automatic End-of-Row-Turn feature for tractors equipped with IntelliSteer. This is a simple, user-friendly auto turn feature that is easy to operate and further increases productivity. IntelliTurn improves efficiency by automatically plotting & executing the most efficient turn path to minimize "out of work" time during the turn, as well as ensure the implement re-enters the infield work area in-line on the desired path. IntelliTurn's industry exclusive Auto Speed feature dynamically plans and modifies the turn path based on vehicle speed when approaching the turn. The result is a system that automatically chooses the appropriate turn style (Light bulb, Constant Arc, or Extended Path) and plots the most efficient path for the vehicle to make the turn, and executes it accordingly.

Navigation Controller III

The IntelliSteer[™] system benefits from the industry leading Navigation Controller III device with T3[™] terrain compensation technology.

New Holland integrated steering sensor

This built in steering sensor measures highly accurate wheel angle information on all terrain and sends it to the Navigation Controller III providing faster correction and increased steering accuracy.









Always available. Before or after. On all makes and models.



Autopilot[™] system. Meeting your precision requirements.

The Autopilot[™] automated steering system, when used with an RTK signal, will give sub 1 inch repeatability in all field tasks, from planting to harvesting and following any in-field pattern. The Autopilot[™] system can be integrated into most brands of tractor and harvesting machinery, and it uses the machine's electro hydraulic circuit to provide automatic guidance. This retrofit solution will significantly increase your efficiency during field preparation, planting and harvesting as you'll be able to drive more accurately and consistently during extended periods behind the wheel.

Implement guidance and RTK. Increase your accuracy and yields

Compatible with the FM-1000 and XCN-2050[™] displays, and thanks to a DGPS antenna mounted on the implement, the TrueGuide[™] and TrueTracker[™] systems keep your implement on a repeatable path on inclined fields with steep gradients and in variable soil conditions. Retrofit installation kits are compatible with most manufacturers' implements.

Compatible with EZ-Remote[™] control

Compatible Displays

- FM-750 monitor
- FM-1000 monitor
- XCN-2050™ monitor



This product is suitable for:



Antenna

Mounted to the tractor or implement to provide up to sub 1 inch pass-to-pass and year-on-year accuracy.



Vehicle interface

Receives navigation commands from the Navigation Controller III which controls the vehicle's steering when engaged.



Navigation Controller III

The Autopilot[™] system benefits from the industry-leading Navigation Controller III device with fully integrated T3[™] terrain compensation technology.



This unique steering sensor measures highly accurate wheel angle information on all terrain and sends it to the Navigation Controller III providing faster correction and increased steering accuracy.

Precision harvesting in all conditions.



Precision Harvesting direct from the factory to increase productivity and efficiency in your operation. Factory Fit IntelliSteer[™] guarantees consistent swath and and header placement, minimize potential skips and overlaps whether running day or night.

Model Year 2017 and newer combines are prewired for a modem making it simpler and easier then ever to add PLM Connect to your CX and CR combines. Add PLM Connect to your combine to ensure real time transfer of data to help drive your management decisions.



These products are suitable for:



Row Guidance System. Corn headers solution.

Corn headers can be specified with row guidance to keep the combine 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.

Row Guidance System is available on CX8 and CR Series combines.

NH 372 receiver

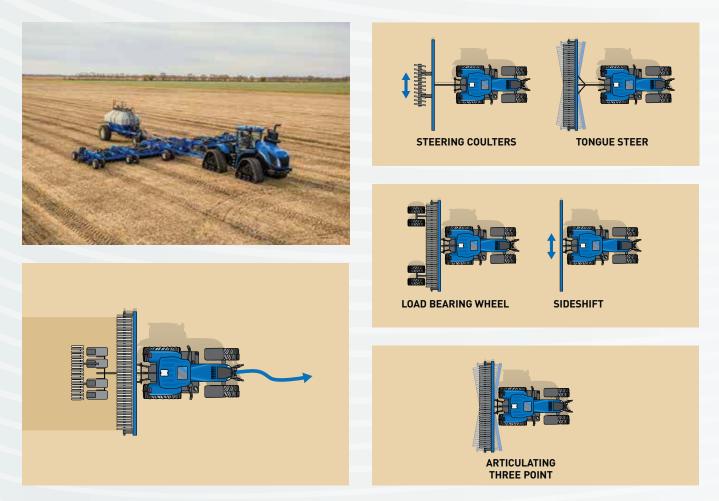
The New Holland 372 antenna receives both DGPS and GLONASS signals and is fully compatible with WAAS, OmniSTAR, or RTK correction. For RTK applications, a slim-profile radio is mounted underneath the receiver. The antenna is positioned on the top of the grain tank to improve signal reception and enhance operation



Implement guidance for true in-line and on-course operations.



Guidance is mainly focused on the machine itself, but when working with large implements, such as the very widest planters and seed drills, the implement also needs to receive a guidance correction signal to ensure that it perfectly follows your tractor. After all, there is no point in keeping the tractor on the straight and narrow while your drill slips slowly down the hill! New Holland has developed a range of solutions that can work in three dimensions for ultimate whole vehicle accuracy



TrueGuide[™] – implement control

The TrueGuide[™] implement guidance system uses the existing tractor Autopilot[™] system to improve implement accuracy. There is no need to hang additional steering equipment off of the implement for better control or to minimize the downdraft effect on severe hillsides. Simply let your Autopilot[™] system pull the implement up the hill and ensure it toes the line. In short, the tractor is steered off line, to keep your implement on line. This system is FM-1000 and XCN-2050 compatible.

TrueTracker™ – take full control

The TrueTracker[™] system is an independent navigation system mounted on the implement that communicates with the tractor's Autopilot[™] system to provide you the highest level of accuracy. The TrueTracker[™] system independently steers the implement on a repeatable path, even on extreme slopes and in variable soil conditions, using a hydraulic solution together with T3[™] terrain compensation technology which is mounted on the implement. TrueTracker is compatible with the FM-1000 and XCN-2050 displays.

These products are suitable for:





26 PLM CROP MANAGEMENT

Input control systems: managing inputs to maximize outputs.



IntelliRate[™] Control

The optional 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.

- 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 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.



Automatic section control

Optional section control automatically shuts off rows or sections, eliminating double application 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 or terraces. Double planting of rows is avoided, enhancing yields and eliminating waste.



WITHOUT SEED MONITORING



WITH SEED MONITORING

Variable rate application control

You can vary application rates using prescription maps to better manage field variability. Variability in fields can be influenced by factors such as soil properties, topography, crop 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 fertilizer application in areas as required, lowering input cost and further enhancing yields.









Field IQ Manual Switch box

These products are suitable for:



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 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.

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.

Field-IQ[™] crop input control systems

The Field-IQ is a variable rate and section control system that runs on FM-750, FM-1000 and XCN-2050™ 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.

Smart implement control.

PLM ISO task controller

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

- Send commands to an ISO BUS compliant implement to modify its actions based on GPS positioning.
- 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.

IntelliCruise™ system. Optimized capacity. Ultimate uniformity.

The IntelliCruise™ feature controls the tractor's forward speed through ISO BUS Class III technology, increasing productivity, improving operator comfort, improving fuel savings and optimizing feeding rate in varying field and crop conditions. This system IntelliCruise has two running modes.

- In **Charge Control mode**, the tractor speed is adapted to achieve optimum capacity measuring both the throughput of crop fed into the stuffer feeder channel as well as the time to fill it.
- In Slice Control mode, the tractor's speed is adjusted according to bale slice thickness and the system will strive to obtain the exact number of slices defined by the operator.



DO

IntelliBale[™] technology

IntelliBale[™] technology means that the Roll-Belt baler can communicate with your tractor. It will bring the tractor to a halt as soon the pre-set bale diameter has been reached, net wrap application begins automatically and then the tailgate is raised. A sensor on the bale ramp tracks the complete process and closes the tailgate as soon as the bale has been ejected. A signal is then given to the operator to move forward. The benefits of the system are:

- Increased productivity
- Reduced operator fatigue
- Uniform bale size
- Reduce fuel consumption





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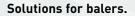
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Efficient PLM solutions for baling operations.



Precision farming has been engineered by design into the New Holland balers to provide you with real-time information to maximize both crop and equipment performance.

- IntelliCruise System (ISO BUS)
- IntelliBale (ISO BUS)
- Additive application
- CropID system
- Moisture sensing
- ActiveWeigh[™] system



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.

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 with +/- 2% accuracy. Bale weight is measured 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™ monitor. Furthermore, this all happens while you continue to pick up for non-stop baling.





NEW HOLLAN

These products are suitable for:





Identify each and every bale with CropID™

The CropID[™] 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 CropID[™] 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.



Precise additive application

All 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.

Efficient PLM solutions for forage harvesting operations.



Solutions for Self Propelled Forage Harvesters.

Precision farming has been engineered by design into the FR forage harvester series to provide you with real-time information to maximize both crop and equipment performance.

- With the precise additive application, crop additives are automatically managed by the on-board moisture sensor
- Collect your data in the field thanks to the yield mapping feature
- Let your FR fill the trailer for you with the IntelliFill system
- Adopt automatically the length of chop with the ActiveLOC[™] to improve the silage quality



Precise additive application

All forage harvesters 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 analyzes 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.

These products are suitable for:





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.

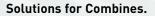


ActiveLOC[™] technology: moisture adapted chop length

The FR now features revolutionary ActiveLOC[™] technology. Realtime 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.



Manage your harvest for guaranteed returns year after year.



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

- Collect your harvest data in the field thanks to the yield mapping feature
- Monitor your yield and moisture content in real time with the on board sensors*
- * available from factory on CX & CR series



Combine yield mapping

The exclusive patented, high-accuracy yield sensor developed by New Holland is generally recognized as the best in class. Its design neutralizes 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.

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.



These products are suitable for:





New Holland precision farming packages enable you to tailor your inputs to reduce your costs and increase your yields. This information is recorded in real time by your machine during working, and it is simply and efficiently transferred for analysis by the computer package from the IntelliView[™] IV monitor via the complementary 4GB USB stick, which is large enough to record data from over 1500 acres.

Efficient PLM solutions for specialist grape and olive operations.



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 only once. This delivers duplicated rows and wasted inputs to the history books, increasing harvesting productivity and efficiency as well as reducing operator fatigue during long working days.



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. As 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 manage costly inputs. FORCE-A's award-winning Multiplex[®] anthocyanin sensor enables you to access real time grape maturity information on Braud 9000 machines.



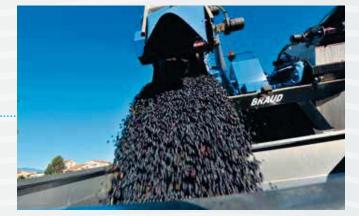
These products are suitable for:





NH 162 receiver

This standard receiver can be used for yield or field mapping and is Autopilot[™] compatible. It can receive EGNOS correction signals and is a differential GPS receiver. It boasts a strong magnetic attachment as well as a simulated radar output.



Managing variable rate inputs

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

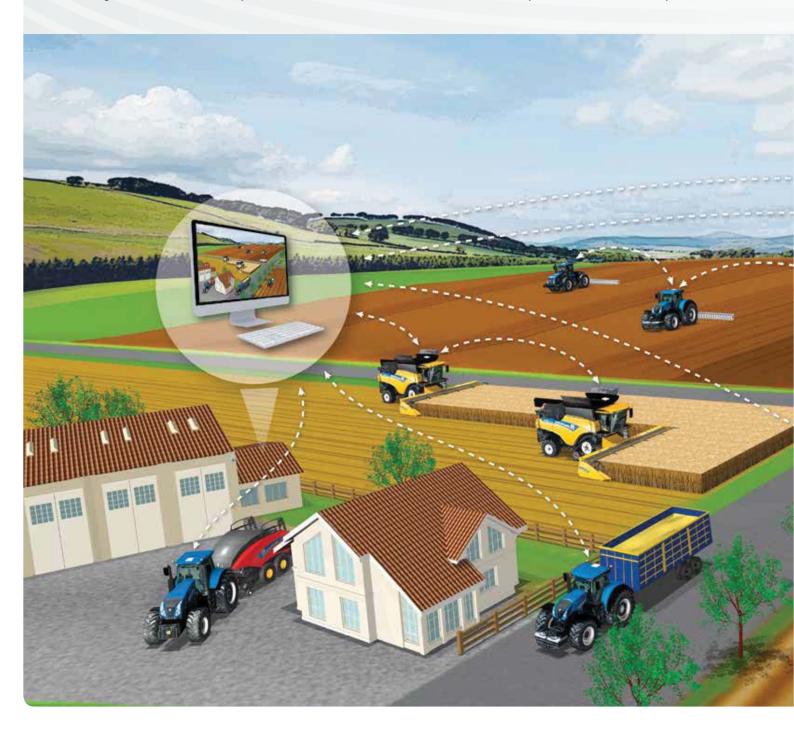


Connected vehicles for efficient farming.



Connected. Productive. Efficient.

Agriculture is constantly evolving, and split-second decisions have an enormous impact on your business' profitability. New Holland's goal was to place farm managers and contractors in every field, even when they are sometimes hundreds of miles away. This is now possible thanks to PLMTM Connect. Using mobile telephone technology, users receive dynamic, real-time information on every machine working in their field and can analyze that data to make correct decisions for each and every machine in each and every field.

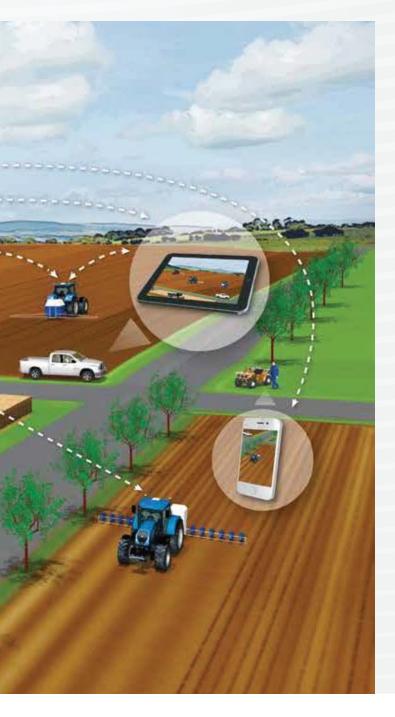




OPEN

PLM[™] Connect is fully compatible with all brands of machine and implement. Giving you the flexibility to pick the right machines for your farm. Always.







CONNECTED

PLM[™] Connect can help you optimize large machinery fleets: you can plan the next operation based on where machines are now. By keeping an eye on the online vehicle dashboard you can maximize uptime, improve productivity and efficiency and even optimize fuel consumption.



SMART

Intuitiveness defines PLM™ Connect technology. An intuitive in-cab display means operators can efficiently browse key parameters and communicate with the farm.



SUPPORTED

New Holland is available around the clock, 365 days per year to enable you to get the very best out of your PLM[™] Connect software.



The essentials of PLM[™] Connect.

If you are ready to discover how telematics can improve the profitability and productivity of your farm, then PLMTM Connect essential is the right choice for you. Perfect for small and medium sized farms, which operate a multi-branded fleet of machinery and implements, it will enable you to get the most out of every square inch of land.

Ultimate machine security

When your machines are away from the farm, you can use geofencing technology, which will alert you should the machine go outside the predefined parameter. Want more? How about curfew technology? If your machine is loaned or hired you can set time alerts and location alerts if operated within or outside of set time or working area. Protecting your most valuable assets has never been easier.





Real-time monitoring

PLM[™] Connect essential is your eyes and ears in the field. You can see exactly where each machine is on the intuitive online portal so you can plan just where they are going to go next to minimize productivity impacting downtime.

Real-time alerts

This feature alerts you when planned maintenance is due so that it can be scheduled for the most convenient time. If that wasn't enough, you can see real-time vehicle status on the online virtual dashboard, which enables you to monitor key operating parameters to maximize efficient farming.

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.

"Simplified planning, improved peace of mind"

"As a dairy farmer whose farm is spread over quite a distance, the PLM™ Connect essential package helped me manage my fleet during baling and wrapping to ensure every tractor was in the right place at the right time. It also gave me peace of mind, that when the tractors were parked up somewhere overnight, I would get an alert should they be moved."

Full compatibility

PLM[™] Connect essential technology is fully compatible with all makes of machine. 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.







Professional telematics for modern agribusinesses.



New Holland knows that large agribusinesses and contractors have to simultaneously look after many machines undertaking a wide variety of tasks at any one time. Add to that the large distances over which these machines may be spread and the importance of accurately managing each machine is fundamental to ensuring profitable operation. PLM[™] Connect professional will help you do all of this and much more.

Accurate vehicle comparisons

Courtesy of the online portal, you will be able to accurately compare the performance of multiple machines to ensure that the most efficient machine settings are used across the entire fleet. Moreover, as you have accurate data from each field regarding operating costs, you can provide accurate job costings for every customer.



Remotely manage machines from the office

By using the online virtual vehicle dashboard, you will be able to monitor and advise operators to change parameters, such as engine speed to manage individual vehicle efficiency. This is perfect when working with seasonal workforces or inexperienced operators to ensure they too, reach in-field efficiency as quickly as possible. Furthermore, you can also monitor eventual warning lights to prevent downtime before it occurs.



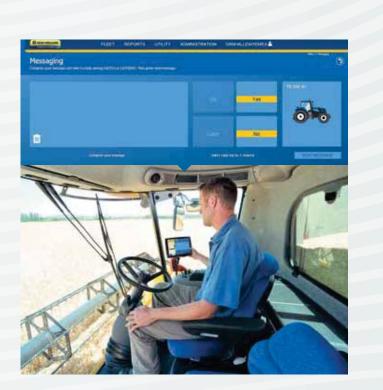
Be in the field from the comfort of your office

Just imagine if you could see every machine's operating data from the comfort of your office. Well, now that dream is a reality with the optional PLM[™] Connect Data Transfer available within the PLM[™] Connect professional package. Data is now transferred instantaneously from the field to the office and back again, which eliminates the need for you to visit every machine and exchange USB sticks and data cards. This saves you precious time and fuel, and means you respond to changing conditions as they occur. Always.



Interactive messaging

With PLMTM 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 ultimate safety when working.



"Optimizing productivity, improving planning"

"I run a large contracting operation, and PLM™ Connect professional has enabled me to reduce overall operating costs by ensuring that seasonal labor uses the tractors and combines in the same way as our more experienced operators. Moreover, thanks to accurate data from each field, I can provide every customer with an excellent job".



Optimizing fleet management

You can monitor up to forty different vehicle parameters in real time. This allows you to pro-actively optimize each vehicle's settings using a simple messaging service, which is used to send the operator information on how they can implement ideal machine settings to improve performance.



A complete software package for 360° farm profitability.



Advanced PLM operations are demanding increasingly sophisticated monitoring and management techniques, and New Holland has introduced an upgraded PLM software package to meet those requirements. PLM Software is accessed via the PLMTM portal.

PLM™ Viewer

This is 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

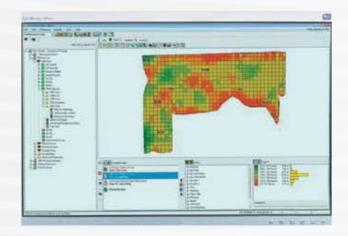
This is the main package for record keeping of fields, mapping and analysis. You can layer a variety of topographical and yield maps to establish yield performance, and compare these with average multiple year maps to identify areas that deliver consistently high or low yields. Variable rate prescription maps using formulas based on soil types can also be created, together with yield or other maps. Guidance paths can be created or edited, and reports can be printed for seeds varieties, restricted use chemicals, fertilizer usage, equipment maintenance and more.

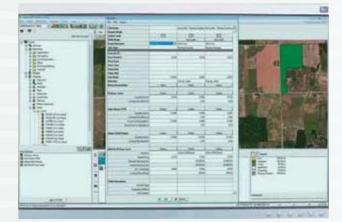
PLM[™] Books

Access the profitability of field, livestock herds and equipment and print tax reports for both cash and accrual ledgers. If you want to keep up to date with the inventory for supplies, seeds, chemicals, fertilizer, feed, harvested crops and livestock, then you've just found out how!

PLM[™] Water control

Water is precious and it is the lifeblood of your farm. With PLM™ Water control you could increase yields by up to 25% and cut your farm's water consumption by up to 30%. The field levelling technology facilitates land levelling and levee design for unsurpassed efficiency. The drainage solution packages integrate survey data, analysis, design, installation and mapping to provide the most efficient drainage package. Further package functionality includes identifying optimal placement of tile and surface drains in both surface and subsurface drainage projects. You can view field topographical data in 3D from any angle and exaggerate the vertical to visualize the shape and slopes of the field. Why not utilize the drawing tools to tie laterals to mains, create parallel lateral spacing and clip drainage lines. How about finalizing the layout and design of drainage tiles by size, pipe type and phase and then enter minimum depth, maximum depth and optimum grade for each.









Always with you in your field.



New Holland knows that when you require support and assistance you don't want to wait, that's why we've developed a three pronged approach to PLM™ support. The online PLM™ Portal is an open-all hours, one stop shop for all of your PLM questions. If you would like to speak to a highly trained operator, then call the dedicated PLM™ Top Service number. However, if you would rather deal with someone face to face, PLM 'flying doctors' are on hand to come to your farm, and solve your problem, in your field, with you.

My PLM™ within the My New Holland portal

Via the My PLMTM Portal you can receive an upgraded service, with online support, together with classroom training in your own language. You can browse the latest PLM news, search for additional product information and user guides as well as accessing the 'My Account' area which contains all of your own personalised information. You can even find out how to get even more from your PLM solution with on-line training videos and tutorials.



PLM[™] Top Service call center

A dedicated PLM hot-line 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.



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Always in touch

As PLM™ Connect Data Transfer uses mobile telephone technology, you will always be in touch with your machines, 24 hours a day, 365 days per year. Whether you are in the farm office, in your car or on holiday, as long as you have an internet connection, you will be able to stay in touch with your machines and your operators.

www.plmconnect.com

PLM[™] Academy App

When you are on the go, the new $\mathsf{PLM}^{\mathsf{TM}}$ Academy App gives you remote access to valuable tutorials and videos through your smartphone or tablet.

- Remotely access tutorials, even while in your machine
- Easy access for machine operators
- On the job learning while in the cab or field
- Videos and tutorials can be watched in 'off-line' mode
- Continuously updated content.

www.plmacademy.newholland.com



PLM[™] On farm support

The most demanding customers can select a 'flying doctor' service; a PLM specialist will visit your farm, to resolve any software issues.

PLM[™] Certified Dealers

In order to deliver top quality service and support, New Holland has developed the PLM[™] Certified Dealer programme. Wherever you see this logo, you're sure to find experts to support your PLM investments.





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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