New Holland Precision Agriculture

Precision solutions for all seasons, all crops, all terrain, all vehicles—a growing investment

www.PutYourFarmOnTheMap.com
Boost Your Farm’s Productivity—with a New Holland Precision Farming System

Precision farming—arguably the most significant advancement in agriculture since the advent of mechanization—allows for amazingly precise, hands-free operation of tractors and combines. New Holland is setting the pace for growers who are looking for more productivity and efficiency, with precision farming solutions for every farm operation.

From the enhanced productivity of lightbar steering, to the pinpoint accuracy of fully automated guidance, our Precision Land Management (PLM) solutions will help you maximize yields, control input costs and optimize your profits. Operators also cite “being less fatigued” as a principal benefit of precision farming—further boosting farm efficiency and productivity.

PLM IntelliSteer, which offers fully automated steering with repeatability and precision, is a popular choice for farmers, as New Holland designs higher horsepower tractors, combines and sprayers for simple installation of guidance systems, either in the factory or at the dealership. The New Holland PLM IntelliSteer offers four levels of accuracy, down to one-inch.

For your existing fleet, we provide a complete range of industry-leading aftermarket solutions for GPS-based guidance, from entry-level to high-end, for all makes and models of equipment. These products feature a range of application solutions for planters and sprayers, including anhydrous ammonia.

Regardless of your farm operation and your budget, New Holland has the precision farming solutions you need, for every step of the growing cycle. This precision farming brochure will help you determine which system is right for you.

To learn precisely how our precision farming solutions can boost your farm’s productivity, visit your local New Holland dealership. The precision farming experts at New Holland will show you how to realize the best possible return on your precision farming investment.

To learn more, visit www.putyourfarmonthemap.com
To find a New Holland dealer near you, visit www.newholland.com.

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The New Holland IntelliSteer system, with the IntelliView Plus II display, combines the best of precision farming and guidance with full machine integration.

- Available factory fit, or as a completing kit.
- See your New Holland dealer salesperson for more information on ordering your IntelliSteer system.

- All T8000, T9000 come from the factory IntelliSteer Ready standard equipment, optional on CR9000/CX8000 and T7000.
- Common look, feel and navigation between tractor and combine.
- ISO 11783 (ISOBUS) compliant.
INTELLISTEER SYSTEM

NH252 (D) GPS ANTENNA/RECEIVER

INTELLIVIEW™ PLUS II

AgGPS NAVCONTROLER II

AgGPS AUTOSENSE STEERING SENSOR

STEERING OVER-RIDE SENSOR

HYDRAULIC STEERING MANIFOLD

COMBINE MACHINE CONTROL

TRACTOR CORNERPOST INFORMATION

NH FLEXICOIL, AND 3RD PARTY (RAVEN & RAWSON) INTERFACE
PLM DESKTOP SOFTWARE


Manage your farming operation with the latest Precision Land Management (PLM) desktop software package from New Holland. PLM Harvest and Application Management Systems software provides complete support for all your precision farming needs. Generate yield maps, as-applied maps, prescription maps and more from a single, integrated software package. You can also create soil sampling maps, create and print reports and import satellite imagery.

PLM desktop software is designed to provide unmatched support for all your New Holland precision farming equipment. But it also supports all of the major competitive precision farming systems in the market, including Trimble, Ag Leader Technology and Greenstar. This provides you with unprecedented access to precision farming data.

Some of the key features of PLM desktop software that will benefit your farming operation are:

• Manage, view, and edit precision farming data collected.
• Ability to generate print layouts, reports, and charts.
• Import and view geo-referenced image files.
• Create variable rate prescriptions.
• Create setup cards (Growers, Farms, Fields, boundaries, etc.) for your New Holland PLM equipment as well as other major brands of equipment.
• Create, manage, and export guidance patterns.
• Ability to overlay multiple layers of data on the same maps.
• Spatial sorting of data by field or farm.
• Supports displaying performance information from your New Holland equipment.
• Generate Crop Plans.
• Record application operations for regulatory record keeping.
• Resource tracking.
• Interactive query tools.
• Import/Export of ESRI Shape, ASCII text, and BMP, JPEG, GeoTIFF, or TIFF image files.

New Holland PLM desktop software is backed by a dedicated software support group in North America and regional support providers in international markets. Dedicated software support means when you have a question or a problem you get quick and accurate answers.

All new copies of the software come with 1 year of free support and free access to all software releases (North America only). After the first year a software maintenance program is available that allows you to enroll yearly to receive unlimited technical support and all software releases for the maintenance year.
## DISPLAY OPTIONS

<table>
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<tr>
<th>CHOOSE DISPLAY</th>
<th>AgGPS EZ-GUIDE 250 LIGHTBAR</th>
<th>AgGPS EZ-GUIDE 500 LIGHTBAR</th>
<th>AgGPS FIELDMANAGER DISPLAY</th>
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<tbody>
<tr>
<td>• Entry-level lightbar guidance system</td>
<td>• Built-in dual-frequency GPS receiver offering multiple accuracy options</td>
<td>• A 10.4” color touch screen with plan and 3D views</td>
<td></td>
</tr>
<tr>
<td>• Easy-to-use and most affordable</td>
<td>• Integrated lightbar with 31 bright LEDs</td>
<td>• Intuitive graphical layout</td>
<td></td>
</tr>
<tr>
<td>• Built-in high performance DGPS receiver with OnPath® filter technology</td>
<td>• Simple control buttons operate easy-to-use software</td>
<td>• Works with any AgGPS receiver</td>
<td></td>
</tr>
<tr>
<td>• Ultra rugged aluminum housing</td>
<td>• USB flash drive to transfer files for printing maps and reports</td>
<td>• Removable data card to transfer files between displays or to the office</td>
<td></td>
</tr>
<tr>
<td>• Compatible with EZ-Steer® 500 assisted steering system</td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

## CHOOSE PATTERNS

<table>
<thead>
<tr>
<th>HEADLAND</th>
<th>PIVOT</th>
<th>A-B PATTERN</th>
<th>IDENTICAL CURVE</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Pattern Headland" /></td>
<td><img src="image2" alt="Pattern Pivot" /></td>
<td><img src="image3" alt="Pattern A-B" /></td>
<td><img src="image4" alt="Pattern Identical Curve" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A+PATTERN</th>
<th>MULTI HEADLANDS</th>
<th>FREEFORM</th>
<th>ADAPTIVE CURVE</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5" alt="Pattern A+" /></td>
<td><img src="image6" alt="Pattern Multi Headlands" /></td>
<td><img src="image7" alt="Pattern Freeform" /></td>
<td><img src="image8" alt="Pattern Adaptive Curve" /></td>
</tr>
</tbody>
</table>
Following the leader just got easier.
And more affordable.

As a proven leader in GPS guidance technology, New Holland is proud to offer the new EZ-Guide® 250 lightbar guidance system. With common-sense interface and a color screen, the EZ-Guide 250 system is easy to operate right out of the box. Plus, you can upgrade to the EZ-Steer® 500 assisted steering system, delivering a total package priced far less than the competition.

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The EZ-Guide 500 system represents revolutionary innovation in lightbar guidance systems. Because it has a built-in dual-frequency receiver, you get to choose the accuracy you need from 6” - 8” up to 1” pass-to-pass, year-to-year without adding another GPS receiver to your cab. When you need a GPS guidance system that saves you time, fuel and inputs, look no further than the EZ-Guide 500 system—the cornerstone of lightbar guidance, hands-free farming, and boom section control.

www.PutYourFarmOnTheMap.com
The AgGPS FieldManager™ display gives you everything you need at your fingertips on a large touch screen. Capable of handling all your automated steering, mapping and application control functions from the cab, the FieldManager display improves your efficiency where you need it most.

www.PutYourFarmOnTheMap.com
AgGPS EZ-STEER 500
ASSISTED STEERING SYSTEM

AgGPS EZ-STEER 500 SYSTEM

T2 TERRAIN COMPENSATION TECHNOLOGY

FOOT SWITCH
Engage and disengage the EZ-Steer system with the optional foot switch for hands-free farming.

EZ-STEER MOTOR
The EZ-Steer motor receives electrical signals from the EZ-Steer controller and converts them to precise commands that the vehicle’s steering system uses to keep the vehicle on path.

EZ-STEER CONTROLLER
Using data from the GPS receiver the EZ-Steer controller sends precise instructions to the steering wheel motor. T2 technology continually corrects for roll and yaw by using state of the art 4-axis solid state inertial sensors to give you a true on-ground position.

Simple, portable hands-free farming for over 600 vehicle models—old and new.

The EZ-Steer® system turns the steering wheel for you by combining a friction wheel and a motor with GPS guidance from the EZ-Guide® 500 or the EZ-Guide 250 lightbars. While the EZ-Steer keeps you on line, you can focus on many different tasks, such as spray or planter performance, improving job quality and crop yields while reducing fatigue.

www.PutYourFarmOnTheMap.com
The AgGPS® Autopilot™ automated steering system provides one inch repeatability from plant to harvest with any field pattern, and extends your operating hours with incredible precision.

**RTK GPS Networks**

RTK networks currently cover over 150 million acres of North American farmland with additional acreage being added all the time. A network consists of a number of fixed RTK base stations that independently broadcast RTK correction signals so the vehicle can obtain sub-inch accuracy. Contact the New Holland dealer in your area to find out if they provide a correctional signal.
AgGPS TrueTracker implement steering system

The AgGPS® TrueTracker™ system keeps implements on a repeatable path, even on extremely sloped fields and variable soils. It includes a GPS receiver and T3 terrain compensation technology mounted on the implement. The AgGPS FieldManager™ display in the tractor communicates guidance information to the TrueTracker system, instantly adjusting implements such as tillage tools, strip tillers, drills and planters, cultivators, sprayers and harvesters to follow directly in the path of the tractor. With repeatable accuracy the TrueTracker system improves seedbed and nutrient placement helping to enhance crop stands and yields.

www.PutYourFarmOnTheMap.com
In combination with the AgGPS® FieldManager™ display, the planter functionality allows for seed, liquid, and granular application by providing:

- Monitoring and control for up to 4 products
- Monitoring for up to 148 rows of seeding (population and blockage type sensors supported)
- Monitoring for 1 hopper level sensor
- Monitoring for 1 air pressure or 1 RPM sensor
- Implement switch input for ON/OFF control based on implement position
- The choice of speed input (GPS, Radar, or the ability to enter Manual Speed)
- Advanced mapping with the ability to track varieties and log attributes
- Variable Rate Technology (VRT) capabilities
- Advanced overlap control via Tru Count clutches

**Accurate monitoring and control for planter applications**

The shaft speed sensor provides the revolutions per minute (RPM) of any shaft on the implement.

Air pressure sensor mounts inside of planter seed tanks to provide real-time air pressure readings to the system.

**GROUND SPEED SENSOR**

Ground speed sensor provides accurate vehicle speed information for precise product control.

**IMPLEMENT SWITCH**

Implement switch enables ON/OFF control based on implement position.

**HOPPER LEVEL SENSOR**

Hopper level sensor provides real time feedback on hopper level status in planter applications.

**PRODUCT MONITORING**

Liquid flow meter ensures accurate feedback to the liquid control channel for optimal control accuracy.

**PLANTER APPLICATION MODULES**

Monitors and controls all sensors in the system while communicating with the FieldManager display.

<table>
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<tr>
<th>SEED SENSOR</th>
<th>SHAFT SPEED MONITORING</th>
<th>TRU COUNT CLUTCH CONTROL</th>
<th>PRODUCT CONTROL</th>
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<tbody>
<tr>
<td>Blockage or high rate population style seed sensor provides seed population or blockage information to the system.</td>
<td>Application rate sensor measures shaft rotation speed, enabling accurate feedback for product control.</td>
<td>Automatically controls planter rows ON/OFF for precise seed placement.</td>
<td>Seed, liquid, and granular control via pulse width modulated hydraulic valves and/or servo valves.</td>
</tr>
</tbody>
</table>
In combination with the AgGPS FieldManager display, the drill functionality allows for seeding, liquid, and granular application by providing:

- Monitoring and control for up to 4 products
- Monitoring for up to 148 rows of seeding (population and blockage type sensors supported)
- Monitoring for 1 hopper level sensor
- Monitoring for 1 air pressure or 1 RPM sensor
- Implement switch input for ON/OFF control based on implement position
- The choice of speed input (GPS, Radar, or the ability to enter Manual Speed)
- Advanced mapping with the ability to track varieties and log attributes
- Variable Rate Technology (VRT) capabilities

Ground speed sensor provides accurate vehicle speed information for precise product control.

Hopper level sensor provides real time feedback on hopper level status in drill applications.

Implement switch enables ON/OFF control based on implement position.

Monitors and controls all sensors in the system while communicating with the FieldManager display.

Liquid flow meter ensures accurate feedback to the liquid control channel for optimal control accuracy.

Seed, liquid, and granular control via pulse width, modulated hydraulic valves, and/or servo valves.

Application rate sensor measures shaft rotation speed, enabling accurate feedback for product control.

Shaft speed sensor provides the revolutions per minute (RPM) of any shaft on the implement.

Blockage or high rate style seed sensor provides seed population or blockage information to the system.
AIR SEEDER

In combination with the AgGPS® FieldManager™ display, the air seeding functionality allows for seed, liquid, granular, and anhydrous ammonia (NH3) application by providing:

- Monitoring and control for up to 4 products
- Monitoring for up to 148 rows of seeding
- Monitoring for up to 4 hopper level sensors
- Monitoring for up to 4 air pressure sensors

The choice of speed input (GPS, Radar, or the ability to enter Manual Speed)

Advanced mapping with the ability to track varieties and log attributes

Variable Rate Technology (VRT) capabilities

HOPPER LEVEL SENSOR

Hopper level sensor provides real-time feedback on hopper level status in air seeding applications.

AIR PRESSURE SENSOR

Air pressure sensor mounts inside of air seeder seed tanks to provide real-time air pressure readings to the system.

AIR SEEDER APPLICATION MODULES

Monitors and controls all sensors in the system while communicating with the FieldManager display.

PRODUCT MONITORING

Liquid flow meter ensures accurate feedback to the liquid control channel for optimal control accuracy.

GROUND SPEED SENSOR

Shaft speed sensor provides the revolutions per minute (RPM) of any shaft on the implement. The sensor can easily count teeth on a gear, magnets on a shaft, or lug nuts on a wheel.

Application rate sensor measures shaft rotation speed, enabling accurate feedback for product control.

Seed, liquid, granular, and NH3 control via pulse width modulated hydraulic valves and/or servo valves.
ANHYDROUS

Accurate monitoring and control for anhydrous applications

In combination with the AgGPSFieldManager display, the anhydrous functionality allows for accurate anhydrous ammonia (NH₃) application by providing:
- Monitoring and control for up to 2 products
- Implement switch input for ON/OFF control based on implement position
- The choice of speed input (GPS, Radar, or the ability to enter Manual Speed)
- Advanced mapping with the ability to track NH₃ activities and log attributes
- Variable Rate Technology (VRT) capabilities

GROUND SPEED SENSORS

Ground speed sensors provide accurate vehicle speed information for precise product control. GPS, Radar, and Manual modes provide the ultimate in flexibility in selecting a ground speed source that fits the users preference.

PRODUCT CONTROL

Anhydrous ammonia (NH₃) control via servo valves.

HEAT EXCHANGER

NH₃ heat exchanger ensures optimal anhydrous application by enabling faster runs at lower tank pressures.

IMPLEMENT SWITCH

Implement switch enables ON/OFF control based on implement position.

ANHYDROUS APPLICATION MODULES

Monitors and controls all sensors in the system while communicating with the FieldManager display.

PRODUCT MONITORING

Anhydrous ammonia (NH₃) flow meter is designed specifically for accurate anhydrous flow.
In combination with the AgGPS® FieldManager™ display, the sprayer functionality allows for accurate liquid application by providing:

- Monitoring and control for up to 4 products
- Monitoring for up to 4 pressure sensors
- Monitoring for up to 3 RPM sensors
- The choice of speed input (GPS, Radar, or the ability to enter Manual Speed)
- Advanced mapping with the ability to track spraying activities and log attributes
- Variable Rate Technology (VRT) capabilities
- Advanced overlap control with the ability to turn boom sections ON/OFF

### GROUND SPEED SENSORS

Ground speed sensors provide accurate vehicle speed information for precise product control. GPS, Radar, and Manual modes provide the ultimate in flexibility in selecting a ground speed source that fits the user’s preference. A back-up mode ensures the user will always have a speed source for system control.

### PRODUCT MONITORING

Liquid flow meter ensures accurate feedback to the liquid control channel for optimal control accuracy. Multiple flow meter options ensure the optimal solution based on the application.

### SPRAY BOOM CONTROL

Automatically controls spray booms ON/OFF for precise spray coverage. The ability to control each boom ON/OFF increases spraying accuracy reducing chemical costs and losses associated with unnecessary skips and overlap.

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<tr>
<th>SPRAYER APPLICATION MODULE</th>
<th>PRODUCT CONTROL</th>
<th>PRESSURE MONITORING</th>
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<tr>
<td>Monitors and controls all sensors in the system while communicating with the FieldManager display.</td>
<td>Liquid control via pulse width modulated hydraulic valves and/or servo valves.</td>
<td>Reads liquid pressure for real time pressure monitoring via the FieldManager display.</td>
</tr>
</tbody>
</table>
In combination with the AgGPS FieldManager display, the spreader functionality allows for accurate granular application by providing:

- Monitoring and control for up to 4 products
- Monitoring for up to 3 hopper level sensors
- Monitoring for up to 3 RPM sensors
- The choice of speed input (GPS, Radar, or the ability to enter Manual Speed)
- Advanced mapping with the ability to track spreading activities and log attributes
- Variable Rate Technology (VRT) capabilities

**Ground Speed Sensors**

Ground speed sensors provide accurate vehicle speed information for precise product control. GPS, Radar, and Manual modes provide the ultimate in flexibility in selecting a ground speed source that fits the user’s preference. A back-up mode ensures the user will always have a speed source for system control.

**Product Control**

Granular control via pulse width modulated hydraulic valves and/or servo valves. Utilized to control metering shafts.

**Spreader Application Module**

Monitors and controls all sensors in the system while communicating with the FieldManager Display. Main module supports all sensors required to accurately control the spreader application.

**Shaft Speed Monitoring**

Application rate sensor measures shaft rotation speed, enabling accurate feedback for product control.

**Shaft Speed (RPM) Sensor**

Shaft speed sensor provides the revolutions per minute (RPM) of any shaft on the implement. The sensor can easily count teeth on a gear, magnets on a shaft or lug nuts on a wheel.
Cut your farm’s input costs immediately using the AgGPS® EZ-Boom® 2010 automated boom switching and spray rate controller system for your next field application. Now, using GPS, up to ten boom sections can be automatically turned on and off to avoid overspray and untreated gaps on end rows—resulting in more precise application for all field work and less stress on the operator when navigating headlands, waterways and other demanding driving situations.

**AUTOMATED BOOM SWITCHES**
Ten user defined boom sections use GPS positions from the AgGPS® EZ-Guide® 500 lightbar, AgGPS EZ-Guide Plus lightbar or the AgGPS FieldManager™ display to automatically detect boom sections that need to be turned on or off for precise coverage. The ten switches can also be used for manual control of boom sections.

**RATE SWITCHES**
The R1 and R2 switches can be set to predefined rates so when changing from one application to another it’s just a flick of the switch to change the application rate. With the + and – switch you can increase or decrease the current application rates when your field requires a quick change.

**CONNECTORS**
- One cable connects the EZ-Boom 2010 system to the display.
- Another cable connects the EZ-Boom 2010 system directly to existing flow meters and valves, so the EZ-Boom system is simple to plug and play into your sprayer system—adding automatic boom switching all in the same box.

**DISPLAY OPTIONS**
- GPS EZ-GUIDE PLUS LIGHTBAR
- AgGPS EZ-GUIDE 500 LIGHTBAR
- AgGPS FIELDMANAGER DISPLAY

**GPS INPUT**
The EZ-Boom 2010 system uses GPS to measure the speed and position of the vehicle, which determines the flow rate and the on-off boom switching.
Increase productivity with quick setup and remote grade change

LASERS

**SPECTRA PRECISION® LASER GL400 SERIES**

- **Automatic self-leveling** gives you a fast and easy horizontal level
- **Automatic temperature and grade compensation** ensures high accuracy in any weather conditions or geographical location
- **Wide grade range** means both lasers can be used for a range of slope applications:
  - GL412: -10% to 15% in one axis
  - GL422: -10% to 15% in both axis
- **Full function, two-way, radio remote controls** are standard with both lasers, allowing you to change grades without actually going to the laser. Features include:
  - Grade Reverse up to 330 ft. from the laser
  - A built-in backlight display
  - One-person setup and operation (all transmitter functions are automatically controlled from inside the vehicle)
- Available with either an HR550 or CR600 hand-held display

### GL400 SERIES FEATURES BY MODEL

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LL400</th>
<th>GL412</th>
<th>GL422</th>
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</thead>
<tbody>
<tr>
<td>Radio Remote</td>
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<td>✓</td>
<td>✓</td>
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<tr>
<td>Auto Axis Alignment</td>
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<tr>
<td>Grade Match Mode</td>
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<td>✓</td>
</tr>
<tr>
<td>PlaneLok</td>
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<td>✓</td>
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<tr>
<td>Axis Grade Range X</td>
<td>Level Only</td>
<td>-10°F•+15%</td>
<td>-10°F•+15%</td>
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<tr>
<td>Axis Grade Range Y</td>
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</tr>
<tr>
<td>Precision Compensation</td>
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<td>✓</td>
<td></td>
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</tbody>
</table>
New Holland’s leading-edge AgGPS® receiver solutions are more than just receivers. They are a range of receivers, antennas, and smart antennas that offer an accuracy and price point to suit any farming operation, budget and vehicle. Built to withstand harsh agricultural conditions, these GPS solutions combine with New Holland’s guidance systems to enable farmers worldwide to work more efficiently, reduce input costs, and allow them to work in extreme conditions.

### OUR COMMITMENT...

The addition of GLONASS and L2C signals gives the GPS 442 receiver excellent performance in tough satellite environments and areas with intermittent periods of GPS signal availability.

### AgGPS 442 AND 432 GPS RECEIVERS

- With advanced 72 channel L1/L2/L2C/GLONASS/RTK capabilities, the 442 receiver is an excellent high accuracy RTK receiver using a local RTK network or base station.
- The AgGPS 432 receiver utilizes the same receiver hardware as the AgGPS 442 but does not have GLONASS tracking capability enabled. The AgGPS 432 can be upgraded with a passcode to track GLONASS satellites.
- The integrated display and keypad gives you quick access to configuration.
- Repeatable year-to-year accuracy

### AgGPS 332 ULTIMATE CHOICE

- Your choice of accuracy level depending on your operation including DGPS Beacon, WAAS, EGNOS, OmniSTAR VBS, high accuracy OmniSTAR HP/XP, or RTK (with a base station).
- Easy upgrade to a higher accuracy level.
- Gives you repeatable year-to-year accuracy for row crop operation and makes any operational changes quick and easy.

### AgGPS 442 AND 432 GPS RECEIVERS

#### AgGPS 442 GNSS receiver
- +/-1" pass-to-pass
- +/-1" year-to-year repeatable

#### AgGPS 332 receiver
- +/-1" pass-to-pass
- +/-1" year-to-year repeatable

#### AgGPS 252 receiver
- +/-2–4" pass-to-pass
- +/-4" year-to-year repeatable

### OMNISTAR HP

#### AgGPS 332 receiver
- +/-2–4" pass-to-pass
- +/-4" year-to-year repeatable

#### AgGPS 252 receiver
YOUR CHOICE...

New Holland is committed to providing the range of GPS accuracy required for optimal productivity in the field. To choose a receiver, the first consideration is the accuracy level required for your operations. The second consideration is what type of real-time correction signal is available in your area. Use the diagrams and information below to decide what level of GPS accuracy and real-time source your operation requires.

### AgGPS 252 RECEIVER
- All in one, low profile GPS/DGPS/RTK receiver and antenna.
- Low-profile, high performance dual-frequency GPS receiver and antenna
- Your choice of accuracy level depending on your operation including WAAS, EGNOS, OmniSTAR VBS or high accuracy OmniSTAR HP/XP, or RTK (with a base station)
- Easy upgrade to a higher accuracy level
- Gives you repeatable year-to-year row crop operation

### AgGPS 900 RADIO
- Rugged low-profile design suitable for all agriculture applications.
- Highly reliable even in the most demanding radio frequency environments
- Versatile, with a frequency range that can receive real-time data used by New Holland GPS receivers
- License free in North America, Canada, Australia, and New Zealand

### AgGPS 100 ANTENNA
- All-weather low-cost DGPS smart antenna for yield or field mapping.
- WAAS/EGNOS differential GPS receiver and antenna combined in a compact, robust, weatherproof housing
- Provides DGPS information to any precision agriculture equipment that accepts NMEA
- Simple, strong magnetic mounting
- Plug-and-play operation

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**OMNISTAR XP**

- +/-3–5” pass-to-pass
- +/-8” year-to-year repeatable

**OMNISTAR VBS, BEACON, WAAS, EGNOS**

- +/-6–8” pass-to-pass
- +/-3’ year-to-year repeatable
The vehicle with a GPS antenna receives GPS signals from the GPS satellite constellation. The WAAS and OmniSTAR services have many GPS receivers at known reference locations that send the correction messages to control stations which then uplink the message to a geostationary satellite (WAAS or OmniSTAR). The geostationary satellite (WAAS or OmniSTAR) then sends the correction message to the GPS antenna on the vehicle, which applies the correction.

**Correction Message**

This is a highly precise technique that results in one inch year-to-year accuracy. RTK GPS requires two specialized GPS receivers and two radios. One GPS receiver is set up as a base station within a 8 mile (12 kilometer) radius of the field you are working so it can send the correction message to the roving receiver. Both receivers collect extra data from the GPS satellites, known as L2 Band, that enables better precision.

**Differential GPS (DGPS) with WAAS and OmniSTAR Correction**

**Pass-to-Pass accuracy** measures the relative accuracy over a 15 minute interval. This is usually thought of as guess row error when driving rows, or skip/overlap from one pass to the next when driving swaths. A New Holland GPS receiver with pass-to-pass accuracy of +/- 4 inches means you get less than four inches skip or overlap, 95% of the time.

**Year-to-Year accuracy** is the measure of repeatable accuracy that you can drive the same rows a day, week, month, or year later. So, +/- 1 inch year-to-year accuracy means you can drive the same rows next year within one inch of this year’s rows, 95% of the time.

**GLONASS** is a partially operational satellite navigation system developed by the Russian government. GPS refers to the U.S. Department of Defense (DOD) NAVSTAR constellation. The new GPS satellites include additional civilian GPS signals—L2C—for more robust signal tracking.

RTK requires reliable satellite availability to get a position fix, and the addition of GLONASS and L2C signals gives the user improved constellation acquisition capabilities.

The AgGPS 442 GNSS receiver, with the ability to process GLONASS and L2C satellite signals, offers users a higher level of “productivity insurance” than other receivers. This new capability will help improve signal availability for certain RTK applications that rely heavily on “z” or vertical axis satellite positioning data, and for RTK users at certain times in some areas.
CNH Capital provides a full range of financial services and products through your local New Holland dealer. Count on us for superior customer service, easy one-source financing and helpful advice that is based on over 50 years of experience. For details, see your local New Holland dealer, visit www.cnhcapital.com or call 1-800-264-1102.