# PTx
## Trimble

# PRODUCT PORTFOLIO

# Table of Contents

# INTRODUCTION

PTx Trimble provides powerfully simple and seamlessly compatible solutions that solve complex technology challenges across the entire farm. Our solutions enable farmers and advisors to allocate scarce resources to produce a safe, reliable food supply in a profitable and environmentally sustainable manner. Covering all seasons, crops, terrains and farm sizes, PTx Trimble solutions can be used on most equipment on the farm, regardless of manufacturer.

From the office to the field, all year round, PTx Trimble helps growers complete farm work smarter, faster, and more efficiently. To enable better decision making, we offer data integration that allows farmers to collect, share, and manage information across their farm, while providing improved operational efficiency by connecting to external agronomic resources and simplifying regulatory compliance. Our solutions include guidance and steering; flow and application control; water solutions; planting; nutrient management; crop protection; desktop and cloud-based farm operations management solutions; as well as correction services.

Simply put, PTx Trimble provides precision solutions for every season.

For more information on PTx Trimble, visit: ptxtrimble.com

# CROP PRODUCTION CYCLE

## Solutions for Every Phase of the Crop Production Cycle

As agriculture expenses continue to rise, regulators call for fewer chemical inputs, and the efficient use of both land and water continues to be critical. It is more important than ever for farmers to prioritize the productivity-enhancing precision ag solutions from PTx Trimble. Here is an overview of the operations and field activities that we support with easy-to-use, flexible and scalable offerings suitable for every growing operation.

**6** Water Solutions

**1** Land Prep

**2** Planting

**3** Fertilization & Nutrient Management

**4** Spraying & Crop Protection

**5** Harvest

## 1. Land Prep

It all starts with the earth. Efficient soil treatments and tillage lay the foundation for a successful crop season. The guidance, steering, flow, and application control product lines offered by PTx Trimble work together to maximize the benefits of your land preparation activities.

## 2. Planting

The most important operation of the year for most farms. There's only one chance to get it right, and we help ensure it is with simplified workflows, section control, variable rate capabilities, and a wide range of implement control options.

## 3. Fertilization & Nutrient Management

There's still plenty to do once the crops are planted. Pre- and post-emergence applications help guarantee a crop yield reaches its full potential. Our solutions allow precise control of hundreds of implement brands and equipment types.

## 4. Spraying & Crop Protection

Preventing loss is the name of the game later in the growing season. PTx Trimble is all in on providing accurate and extensive implement control through both ISOBUS and proprietary flow and application control solutions.

## 5. Harvest

Whether you need to fulfill a large grain order or have a short window of time to complete your work, we have the equipment and software required to enable a fast, accurate and efficient harvest.
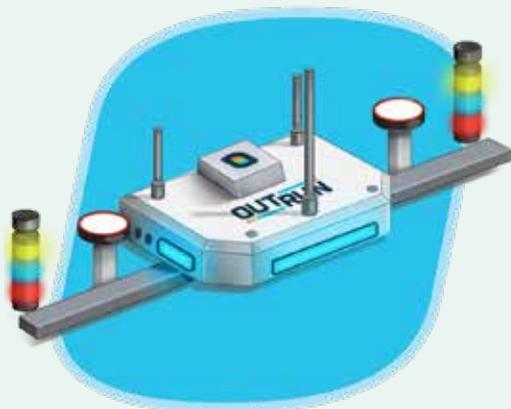
## 6. Water Solutions

For more than 50 years, we have provided high-accuracy solutions to retain or remove water from your fields. Get a jump start on the next growing season with our range of surveying, design, and machine control offerings for land forming and subsurface drainage projects.

# AUTONOMY SOLUTIONS

Starting with well-established platforms like Autopilot™ automated steering system and newer system like the WeedSeeker 2 automatic spot spray system, PTx Trimble has delivered advanced agricultural autonomy solutions to optimize daily farming operations for more than 25 years. These solutions suppc a progressive journey toward full autonomy, enhancing productivity, reducing waste, and enabling smarter, more efficient farming practices and decision-making.



## OutRun Autonomous Grain Cart Solution

OutRun is a retrofit kit that transforms your tractor and grain cart into an autonomous system, helping farmers streamline harvest operations and reduce labor demands. With OutRun, the grain cart can be staged, summoned to the combine for pickup, and sent to an unloading zone— all without a second driver. This automation minimizes downtime and keeps harvest moving efficiently during peak season.

- Autonomous operation from field edge to combine and back
- Built-in safety protocols, virtual boundaries, and on-screen alerts
- Controlled from an iPad by the combine operator
- Guidance and steering on the combine are unchanged with OutRun
- Self-contained retrofit kit for John Deere 8R and 8000R machines equipped with IVT
- Fendt 900 series kits available in 2026

## OutRun Autonomous Tillage Solution

Short on help? No problem. Set up an autonomous tillage tractor and implement combination to free up an operator. A tractor outfitted with OutRun technology for a grain cart can also handle tillage operations using the same cab hardware and an additional kit for the tillage equipment.

- A universal kit built to fit a wide array of common tillage tools
- Controlled from an iPad or smart phone in any location
- Speed can be changed, and slow zones can be configured
- 13 MPH maximum speed
- Easy calibration
- Various path planning options
- Capable of running 24/7, apart from manual refueling

> As much as 33% of corn acres are harvested late, causing up to 10% yield loss on those acres[1]

[1]Source: AGCO Global Agronomy and Farm Solutions

# CORRECTION SERVICES

PTx Trimble has been a leader in the positioning market for nearly 40 years and our correction services are the backbone of every precision agriculture solution we offer. Increases in yield can be achieved by using any level of correction.

There's a correction service for every agricultural need, no matter what you farm, how you farm, or where you are located in the world. Stay on-line year over year, for every application, every time.

## Trimble® CenterPoint RTX

High accuracy anywhere on the farm, delivered independently by satellite, IP or a combination of both, and with minimal setup time.

- Repeatable Accuracy: < 2.5 cm (1 in)*
- Convergence Time:

  < 2 min for CenterPoint RTX Fast
  < 5 min for CenterPoint RTX with ProPoint
  <20 min for CenterPoint RTX without ProPoint

- Delivery: Satellite and/or cellular modem
- Compatible with: TMX-2050, NAV-960, NAV-900

## Trimble CenterPoint VRS™

For high accuracy GNSS corrections via cellular modem with no local base station required.

- Repeatable Accuracy: < 2.5 cm (1 in)
- Convergence Time: Instant
- Delivery: Cellular modem
- Compatible With: NAV-960, NAV-900
- Coverage: See coverage map

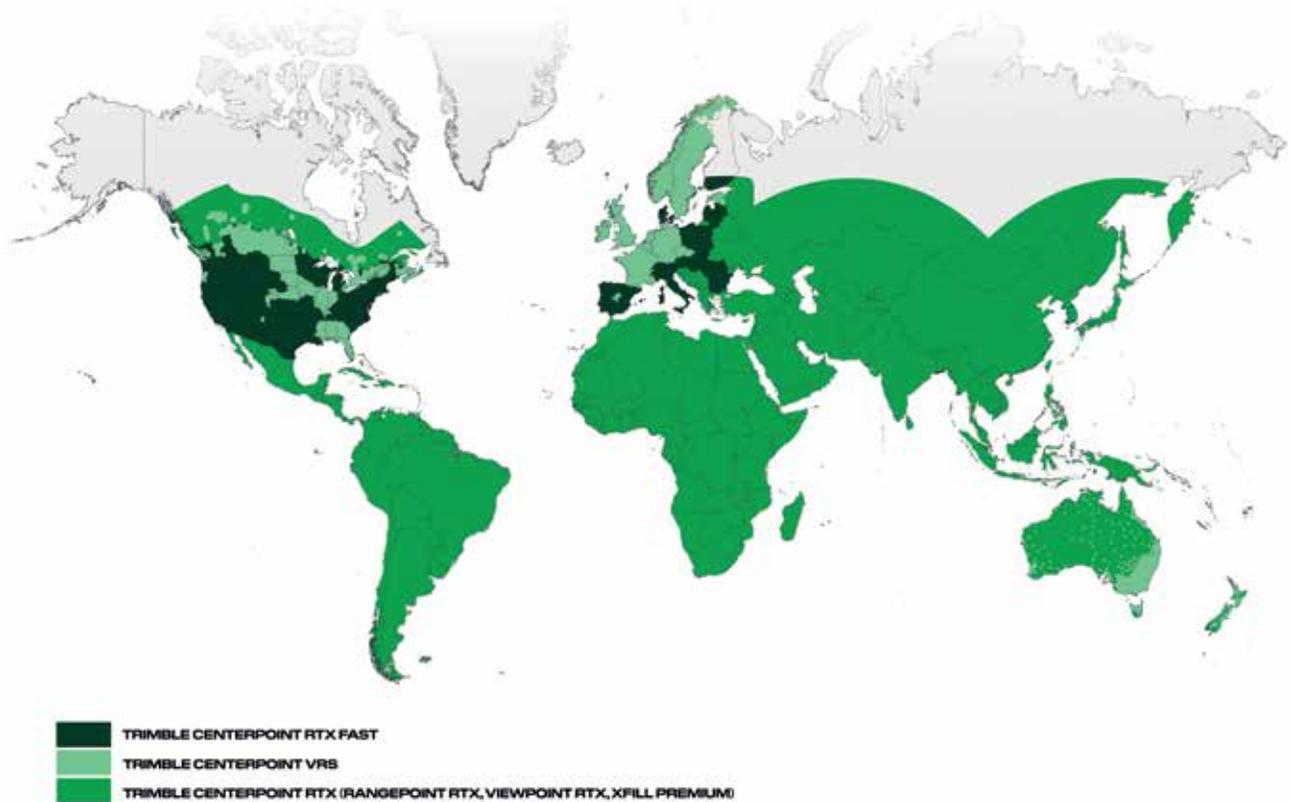## Trimble CenterPoint RTK

For high vertical accuracy required for water solutions activities, a local base station is required.

- Repeatable Accuracy: < 2.5 cm (1 in)
- Convergence Time: Instant
- Delivery: Fixed base station
- Compatible With: TMX-2050, NAV-960, NAV-900
- Coverage: Local base station range

Note: *95% performance based on repeatable in field measurements. Achievable accuracy and initialization time may vary based on type and capability of receiver and antenna, user's geographic location and atmospheric activity, scintillation levels, GNSS constellation health and availability and level of multipath including obstructions such as large trees and buildings.

## Coverage Map



- TRIMBLE CENTERPOINT RTX FAST
- TRIMBLE CENTERPOINT VRS
- TRIMBLE CENTERPOINT RTX (RANGEPOINT RTX, VIEWPOINT RTX, XFILL PREMIUM)

## Additional Accuracy Levels

For farmers interested in increasing the return on investment on their auto-guidance systems at an attractive annual cost.

### Trimble RangePoint® RTX

For increased accuracy, greater productivity and improved yields at an affordable price point.

- Pass-to-Pass Accuracy: < 15 cm (6 in)*
- Convergence Time: < 5 minutes
- Delivery: Satellite and cellular modem
- Compatible With: TMX-2050, NAV-900
- Coverage: Worldwide

### Trimble ViewPoint RTX

For consistent pass-to-pass accuracy with entry level PTx Trimble guidance systems.

- Pass-to-Pass Accuracy: < 30 cm (12 in)*
- Convergence Time: < 5 minutes
- Delivery: Satellite and cellular modem
- Compatible With: NAV-500
- Coverage: Worldwide

# DISPLAYS

The guidance displays from PTx Trimble boast the easy-to-use and easy-to-learn Precision-IQ™ interface, which enables seamless control and management of all in-field activities. Our Android-based touch screens monitor and map field information in real-time while remaining available for work with our industry-leading reliability. Choose from a variety of options to best meet your farming needs.

- Intuitive controls allow both veterans and inexperienced operators to work effectively
- High connectivity provides access to real-time farm data for efficient decision making
- Reliable hardware that maximizes uptime and allows operators to work long hours, day or night
- Compatible with most every kind of equipment, regardless of brand or model
- ISOBUS functionality to allow maximum compatibility and transferability

## GFX-1260™ Display

Our flagship 12-inch (30 cm) display features the performance and agility to manage the toughest and most complex tasks in a grower's operation.

## GFX-1060™ Display

The latest 10-inch (25 cm) display from PTx Trimble enhances the user experience with the power and connectivity required to swiftly and accurately carry out daily farm operations.

## TeamViewer QuickSupport with Remote Control

Breakdowns or the need for operator support can happen any time, anywhere. When the nearest technician is hours away, TeamViewer QuickSupport with Remote Control allows your support team to access and assess the status of your GFX display and connected PTx Trimble precision ag system from the field. Your dealer can now see and control connected displays from their office to solve farmer problems in the field.

Please note: This version of TeamViewer with Remote Control is not supported on the TMX-2050™ display or ISOBUS terminals, and requires an internet connection on GFX displays.

**Precision ag technology boosts profit by** $60 per acre or $150 per hectare on average[2]

## GFX-350™ Display

This 7-inch (18 cm) display offers great functionality and a simplified installation, providing access to autosteering and application control for every farm in a cost-effective package.

## ISOBUS Terminals

PTx Trimble-branded range of ISOBUS-enabled displays focused on providing affordable, customizable universal terminal access for mixed-fleet operations.

- Ideal for low-cost Field-IQ™ ISOBUS field application control, with some limited access to vehicle guidance, correction services and steering system integration

[2]www.ers.usda.gov/webdocs/publications/80326/err-217.pdf
[2]farmdocdaily.illinois.edu/2020/03/quantifying-the-economic-benefits-of-on-farm-digital-technologies.html

# Spotlight on Precision-IQ

The Precision-IQ field application is our intuitive,
easy-to-use advanced field management system included on
all of our current Android-based displays. With this interface, you can
guide your vehicle accurately on every pass and turn across a field, precisely
control the implements doing the actual work, and share data across the entire
farming operation. Precision-IQ software continues to evolve and expand its ability to
control all aspects of in-field operations for growers around the globe running any brand of
farm vehicle. Below are some of the key capabilities and available add-ons for this flexible and
scalable solution.



## FreeForm Guidance Pattern

FreeForm guidance patterns give farmers the ability to
adapt vehicle guidance behavior to the unique contours of
the field. By removing the constraints of predetermined
patterns, FreeForm allows users to make the most
efficient use of fuel and crop inputs, saving time, money
and energy to make the most of their field's potential.



## NextSwath End-of-Row Turn Technology

Save time and increase the productivity of your fields
by automating your end-of-row turns. NextSwath
automatically calculates and executes the best possible
path to turn a vehicle around and approach the next crop
row or swath with the implement precisely aligned to
return to work. This feature not only saves on fuel costs
but improves yield by reducing crop damage and limiting
headland compaction.

Note: Requires a NAV-960 or NAV-900 guidance controller and
additional software license

## AutoSync

Automatically share guidance lines, field names, boundaries, landmarks, materials, implement profiles, vehicle profiles and operator information in the background across all connected devices in your operation. Save time creating and transferring data between displays, reduce human error by sharing fields and AB lines, and automatically collect all your data from connected devices in order to generate task reports.

Note: Requires PTx Trimble Ag Software license, display connectivity via cellular orWi-Fi, Precision-IQ v6.6 or newer, and a Display Connection license for each display.

## Square Headlands

Utilize the entire width of your fields with headland auto-guidance lines that extend all the way to the field boundary. Maximize coverage of high-value crops in small fields, square-shaped fields or fields with sharp angles, boosting potential yield and profits by reclaiming unused farmland in field corners. Guidance lines automatically adjust based on vehicle and implement, saving you time with a single boundary recording.

# Display Comparison

| Specifications | GFX-1260 Display | GFX-1060 Display | GFX-350 Display |
|---|---|---|---|
| Screen Size | 30.7 cm (12.1 in) | 25.6 cm (10.1 in) | 17.1 cm (7 in) |
| Storage | 32GB | 32GB | 16GB |
| RAM | 4GB | 4GB | 1GB |
| USB Ports | 2 | 2 | 1 |
| 100Base-T1 (BRR Ports) | 2 | 1 | 1 |
| CAN Ports | 3 | 3 | 1 |
| External Camera Support | 2 | 2 | 1 |
| Processor (CPU) | Quad-Core iMx8 PLUS 4x Cortex A53@1.2 GHz 1x Cortex A72@1.6 GHz 64 bit | Quad-Core iMx8 PLUS 4x Cortex A53@1.2 GHz 1x Cortex A72@1.6 GHz 64 bit | Quad-Core iMx6 PLUS @1 GHz |
| Front Facing Camera | Low-light level, color, 1.0 M pixels, 720 p | Low-light level, color, 1.0 M pixels, 720 p | N/A |
| Bluetooth® | Bluetooth 5 | Bluetooth 5 | Bluetooth 4.1 |
| Wi-Fi® | 2.4 & 5 GHz | 2.4 & 5 GHz | 2.4 GHz |
| **Software Connected Features** | | | |
| AutoSync™ Feature | Option | Option | Option |
| Operator Permissions | Option | Option | Option |
| Utilization | Option | Option | Option |
| Work Orders | Option | Option | Option |
| **Guidance Line Features** | | | |
| AutoSync Feature Headland, AB, A+, Curve, Pivot, As-Applied, Create Access Paths, Create Tram Lines, Freeform™, Guide to Tram Lines, Square Headlands | Standard | Standard | Standard |
| Guide to Feature Lines | Standard | Standard | Option |
| Return to Pause | Standard | Standard | Standard |

## KEY

- Standard - Included functionality
- Option - Functionality requires additional license
- Not Available

| Application Control Licenses | GFX-1260 Display | GFX-1060 Display | GFX-350 Display |
|---|---|---|---|
| Field-IQ License | Option | Option | Option |
| ISOBUS Universal Terminal | Option | Option | Option |
| ISOBUS Task Controller | Option | Option | Option |
| Prescriptions – multi-layer, multi-file, import .shp and ISO XML | Option | Option | Option |
| Serial Rate and TUVR | Option | Option | Option |
| Multi-Product Control | Option | Option | Option |

**Multi-Product Control - additional product control channels**

| | | GFX-1260 Display | GFX-1060 Display | GFX-350 Display |
|---|---|---|---|---|
| ISOBUS | Universal Terminal | Option | Option | Option |
| | Task Controller (TC) | Option | Option | Option |
| | Controlled Channels | Standard-1 channel | Standard-1 channel | Standard-1 channel |
| | | Up to 6 channels | Up to 6 channels | Up to 2 channels |
| | ISO TC Section Control | Up to 255 sections | Up to 255 sections | Up to 24 sections |
| Field-IQ | Controlled Channels | Option-1 channel | Option-1 channel | Option-1 channel |
| | | Up to 6 channels* | Up to 6 channels* | Up to 2 channels* |
| | Field-IQ Section Control | Up to 48 sections* | Up to 48 sections* | Up to 24 sections* |
| | Field-IQ Controlled Product Drives | Up to 6 | Up to 6 | Up to 6 |
| | Population/ Blockage Monitoring | Up to 96 rows | Up to 96 rows | Up to 48 rows |
| | Details (Pop, Sing, Skips, Multiples, Spacing) | Standard | Standard | Standard |
| Serial Rate/ TUVR | Controlled Channels | Option-1 channel | Option-1 channel | Option-1 channel |
| | | Up to 6 channels* | Up to 6 channels* | Up to 2 channels* |
| | Serial/TUVR Sections | Up to 255 sections | Up to 255 sections | Up to 24 sections |
| Other Features | Variable Rate & Section Control | Standard-1 channel | Standard-1 channel | Standard-1 channel |
| | | Up to 6 channels* | Up to 6 channels* | Up to 2 channels* |
| | Multi-Channel/ Multi-Product | Option - Enables 2-6 channels | Option - Enables 2-6 channels | Option - Enables 2-6 channels |
| | WeedSeeker® 2 System | Option | Option | Option |

*Any additional channels require the Multi Channel/Multi Product License

# FARM OPERATIONS MANAGEMENT

Precision ag software and cloud-based applications from PTx Trimble help farming businesses of all sizes plan daily tasks, execute streamlined workflows and effortlessly track the status of every field. Whether you are looking for more accurate records to aid decision making, want to take complexity out of your operators' hands, or need to make sure the job gets done efficiently and on time, PTx Trimble offers a solution that makes it easier to turn information into revenue.

**PTx FarmENGAGE™**

Formerly known as PTx Trimble Ag Software, our software has what you need to plan, execute and report on your farm with a range of operational, record-keeping and agronomic features to help your team focus on what's most important—getting the work done correctly and efficiently. The Data and Operations user licenses enable farmers to manage display data anywhere, plan and orchestrate field operations, and effectively manage the business aspects of farming.

- Execute fieldwork correctly with centralized management and oversight
- Access real-time information on the go to keep things running
- Save time with automatic data collection for analysis
- Extend efficiency gains with connected third-party workflow integration

## Field Manager

Create, manage, send and sync resources for field work from any connected device across your all of your equipment brands, including most AGCO machines. The intuitive web interface mimics the resource management features in Precision-IQ, so users can easily manage their field data within the FarmENGAGE platform.

## Direct Send

This simplified syncing feature delivers the exact resources needed to perform a desired activity to a specific vehicle, without impacting (or syncing to) other displays and operators. Direct Send delivers specific resources to an individual device, eliminating the need to manually move data with USB drives.

## Optimized communication and planning

Thanks to live updates, the ability to send prescription files, and work order capabilities, you can make sure your team has the information they need to tackle their to-do list and get it right the first time.

## Centralized data management

Data sharing features, including the ability to import and export data in any OEM format, allows you to save time setting up displays for field work, quickly compile and review as-applied records, and deliver the right data to the right machine in the correct format every time.

## Third-Party Data Integrations

FarmENGAGE supports data compatibility, connectivity and data exchange with other third-party farm management software platforms, including FendtONE offboard, NEXT Farming Live, and platforms from John Deere, Raven, Case IH, New Holland, and more.

# FLOW & APPLICATION CONTROL

Managing the rate and flow of crop inputs is an essential part of every precision ag operation. Flow and application control solutions from PTx Trimble assist farmers in precisely applying inputs like seed, fertilizer and crop protection exactly where needed in their fields. When using Precision-IQ ™, you can control all of these products simultaneously while running high accuracy autosteering as well.

## Field-IQ™ Crop Input Control

Leveraging Precision-IQ, PTx Trimble's proprietary flow and application control system is a modular solution designed to grow with you as your implement and field operation needs evolve.

- Achieve complete implement control regardless of make or model with streamlined and efficient input applications.
- Leverage prescription maps and variable rate applications easily for your planting, seeding, spreading and liquid operations.
- Take control of your implement through the intuitive and familiar GFX display interface.
- Automatic section control eliminates overlap by individually controlling up to 48 sections of an implement with the Tru Count Electric Row Clutch.

### Solutions

With Field-IQ, you can take advantage of both adjustable pre-set or prescription variable rate control, section control or a combination of both based on the type of implement being controlled.
Field-IQ supports:

- Planters
- Spreaders
- Sprayers
- Air seeders
- Liquid strip-till bars

### Accessories
12-Section Switch Box

- Enhance operator convenience with physical application switches to safely and quickly turn on or off individual sections.

## TUVR & Serial Rate Control

PTx Trimble Universal Variable Rate control is a serial-based communications protocol available on a wide variety of implement controllers, providing even more ways for farmers to manage and save on inputs using Precision-IQ.

- Enable automatic rate and section control functions with the hardware you already own.
- Serial rate support and section switching commands are available for 3rd party protocols and OEM displays.
- Eliminate over-application while saving valuable time and money.
- Available for seeding, spraying, spreading, slurry and liquid strip-till applications.

Save up to **10% on input costs** with Field-IQ[3]

[3]Source: PTx Trimble

# Field-IQ ISOBUS Crop Input Control

- Scalable to different applications and types of equipment, regardless of make or model.
- Increases equipment longevity through aftermarket control, giving older implements seamless connectivity and control.
- Store settings and configurations within the ECU on the implement, giving you plug and play compatibility through a single display.
- Use your ISO display to utilize Universal Terminal and Task Controller to control multiple channels and dozens of sections.
- Provides a quick return on investment while also saving you money through reduced overlap and increased precision.

### Solutions

With PTx Trimble ISOBUS solutions, you can make your equipment smarter, more efficient and fully compatible across the brands on your farm.

### Field-IQ ISOBUS Seeder/Planter Control System

- Control seed and fertilizer application.
- Monitor seed and fertilizer for consistent application.
- Reduce input costs by eliminating overlap.
- Improve yield by ensuring even seed and nutrient distribution.



### Field-IQ ISOBUS Spreader

- Monitor and control applications for optimized equipment performance.
- Control spreader and dry manure application rates.
- Monitor current bin contents.
- Gain valve control at defined speeds.

## Field-IQ ISOBUS Advanced Sprayer Control System

- Streamline rate, section, frame and boom control for improved spraying precision.
- Control rate and adjust boom sections to prevent overlap and gaps.
- Reduce input costs by applying the exact amount of product needed.
- Customize inputs and outputs to match the operator's preferences and the sprayer's characteristics.



## Field-IQ ISOBUS Orchard/Vineyard Sprayer Control System

- Maximize the efficiency of specialized spraying equipment with precise flow rate, pressure and section control.
- Prevent over-spraying with intelligent gap detection and headland shutoff.
- Automate repetitive functions like boom folding and unfolding or end-of-row spraying.



## Field-IQ ISOBUS Slurry Control System

- Manage slurry applications for various mounted implements with efficiency and precision.
- Control up to 18 sections at a time.
- Operate various filling arms, including front, top and side options.
- Monitor application rates in the cab.



## Field-IQ ISOBUS Liquid Control System

- Optimize liquid applications for fertilizer, herbicides or manure.
- Control application rates, including NH3.
- Enhance product placement accuracy.
- Minimize waste and environmental impact.

### Field-IQ ISOBUS Weather Station

- Make informed decisions with field-specific, real-time weather data.
- Track temperature, wind speed and other key metrics.
- Optimize application timing with data.

### Field-IQ ISOBUS Aux-N Switch Boxes

- Enhance operator convenience with physical application switches to safely and quickly control a range of field operations.
- Find configurable switch box options for each implement connection.
- Operators can easily control specific implement functions from the cab.

### ISOBUS Blockage Sensor System

- Monitor and measure material flow in a variety of implements.
- Sensors detect and alert of blockage or flow interruptions, ensuring even seed or fertilizer distribution.
- Adaptations for any hose diameter to support various materials, from large seeds to micropellets.
- No cleaning or maintenance is required thanks to durable and dirt-resistant design.

## Additional Flow & App Control Solutions

### GreenSeeker® Handheld Crop Sensor

The GreenSeeker handheld crop sensor provides objective data for nutrient management decision making at an attractive price point. Both agronomists and farmers can simply aim the sensor at the selected crop, pull the trigger, and receive an accurate NDVI value.

- Save money by only applying the fertilizer needed for ideal crop health
- Reduce environmental impacts with reduced chemical applications
- Little or no training required for use—get out in the field and start making educated decisions on crop inputs
- No additional equipment required—use the mobile devices you already own to connect via Bluetooth (with supported app)

# GUIDANCE RECEIVERS

High-accuracy auto-steer delivers up to **50% ROI**[2]

[2] uknowledge.uky.edu/cgi/viewcontent.cgi?article=1110&context=gradschool_diss

## NAV-960 Guidance Controller

Our most advanced GNSS receiver easily handles the most complex and demanding guidance and steering applications on the farm. Offering superior accuracy and reliability for maximum uptime during field operations, it features an enhanced GNSS engine, a powerful processor, rugged design and advanced inertial sensors.

- Full range of correction signals including GPS, GLONASS, Galileo, Beidou, and QZSS constellations supported by Trimble IonoGuard™ technology for maximum resistance to downtime caused by solar events and scintillation
- 16x more powerful processor keeps you ready for future innovations
- Up to 50% better on-ground line following performance with the ProSwath vehicle positioning engine
- Over 10,000 supported vehicle platforms
- Easy upgrade for existing NAV-900 installations and compatible with all GFX-series displays

## NAV-900 Guidance Controller

For a wide range of accuracy options from basic to high precision. It is designed to mount on the roof of most agricultural vehicles to provide positioning and guidance, including autosteer.

- Access global GNSS constellations including GPS, GLONASS, Galileo, Beidou, and QZSS
- Utilizes the powerful ProPoint® GNSS engine from PTx Trimble for robust performance in harsh environments
- Supports assisted steering and automated steering solutions, including slow speed engagement, autosteer in reverse, and NextSwath, for high accuracy field applications in every environment

## NAV-500™ Guidance Controller

Paired with any GFX series display, this is a cost-effective precision solution capable of supporting multiple GNSS satellite constellations.

- Get repeatable sub-meter accuracy and full-farm coverage during tillage, broadacre seeding, spraying and harvest
- Offers roll-corrected manual guidance and compatibility with multiple assisted steering options

# SPOT SPRAYING

Backed by 25 years of experience using advanced optics and processing power, spot spraying technologies from PTx Trimble deliver superior weed-killing performance with unbeatable accuracy and efficiency, protecting your bottom line.

## WeedSeeker 2
### Automatic Spot Spray System

Save money and reduce environmental impacts by only applying herbicide where it's needed with the WeedSeeker 2 system. This system detects weeds as the boom-mounted sensors pass over them, signaling linked spray nozzles to deliver precise blasts of chemical, eliminating even the most resistant weeds with ease. The system has recently been updated with more robust components, new sensor firmware, improved platform stability and additional diagnostic tools.

- Variable field, soil and lighting conditions are adapted to automatically by the intelligent sensor
- Lightweight sensors and cabling allow the system to scale to virtually any boom length
- ISOBUS compatible with the terminal you already own
- Save even more on input costs by avoiding overlaps with section control
- Flexible configurations available for multiple field and crop types, from broadacre and row crops to permanent orchards and vineyards

Save up to **90%
on herbicide**
input costs

# STEERING SYSTEMS

A wide selection of automated and assisted vehicle and implement steering systems from PTx Trimble ensure maximum precision for all your farming operations. Hands-free guidance keeps your equipment on line no matter the field pattern or driving conditions, while increasing safety through reduced operator fatigue.



### Autopilot™ Automated Steering System

- Our most accurate steering system keeps your vehicle on-line with repeatable precision
- Installs directly into the hydraulic system or connects via CANbus for guidance-ready power units



### Autopilot Motor Drive System

- Autopilot-level accuracy in a steering-column mounted package with no hydraulic install required
- Hundreds of platform kits available to steer more than 40 vehicle brands

Get up to **10% input savings** using PTx Trimble guidance and steering solutions





### EZ-Pilot® Pro Assisted Steering System

- Guides in reverse for up to 15 seconds to line up the next swath
- High accuracy guidance for MFWD and 4WD tractors, as well as combines

### EZ-Steer® Assisted Steering System

- Portable, hands-free steering for more than 1200 vehicle makes and models
- Ideal for cost-conscious farmers with low-torque steering wheels





### TrueTracker™ Implement Steering System

- Eliminates overlap on difficult terrain by actively steering the implement online independently from the power unit
- Ideal for row crop and multi-pass farming applications that require repeatable paths with no drift

### TrueGuide™ Implement Guidance System

- Passively monitor and correct implement's position on the guidance line by steering the tractor
- Affordable solution best suited for broadacre crops

# WATER SOLUTIONS

Whether it's too much, not enough, or in the wrong place, every grower has water issues that can be addressed with the suite of water solutions from PTx Trimble. From planning, survey and design through to execution, installation and verification, we have the surface and subsurface offerings available to make an impact on every successful farming operation.
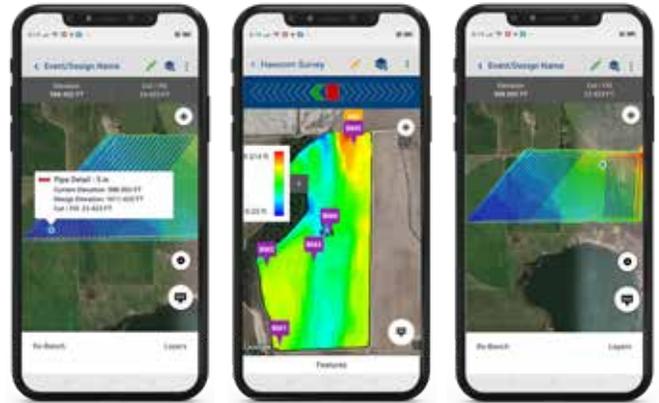


## Land Forming & Grade Control

With the extensive lineup of land-forming solutions from PTx Trimble, you can streamline your efforts for more efficient water distribution with minimal soil disturbance. Now for the first time, you'll be able to use Precision-IQ to conduct water management activities. The WM-FieldForm™ land forming solution provides single receiver cut/fill land forming as a simple upgrade to GFX-1260 display users. Leverage Simple Plane and AutoPlane designs on the display via step-by-step guides or import surveys and multi-plane designs, then use manual or autoguidance for execution and installation.

- Faster design processing and quick machine control reaction times
- Intuitive workflows for simplified design, execution and verification
- Conduct your own land forming, maintenance and repair
- Save on irrigation costs and on the diesel fuel needed to run pumps by reducing total water need
- Achieve 95% or higher uptime in the most challenging environments at any time of year[4]

[4]Source: PTx Trimble

## WM-Survey II App Design Software

WM-Survey II™ app is a standalone, free-to-download app for conducting basic field surveys for use in water solutions activities. Through subscriptions it also automates the creation of terrace and waterway cross-section profile designs as well as auto-creates rice levee designs. With this app and an Android™ device of their choice - including Precision-IQ capable GFX series displays- users can connect their own GNSS receiver to create topographic maps for use in a variety of applications.

WM-Survey II

- Easily accessible entry-level application for beginning water solutions work
- Intuitive workflows guide users and reduce errors
- Get to work installing designs minutes after completing field surveys
- Automated rice levee designs allow same day installation
- Save time with quick and easy verification of surface or tiling designs

## Improve crop yields **up to 30%** the first year[5]

## Subsurface Drainage

The suite of subsurface drainage solutions from PTx Trimble provides a comprehensive approach to moving water more effectively and efficiently on your farm. WM-Drain® solution, paired with WM-Subsurface™ design software, streamlines the survey, analysis, design, installation, and verification steps of surface and subsurface drainage projects.

- Remove excess water from the field and lower plant stress
- Reduce field compaction and minimize soil erosion
- Maintain a more developed root zone and ideal root depth for better nutrient absorption
- Control the water table of your field and potentially reduce irrigation needs

[5]Source: Ohio Agricultural Research and Development Center (OARDC)

## Learning Tools from PTx Trimble

PTx Trimble aims to do more than just provide rugged and reliable solutions to farming's biggest challenges. We also want to educate farmers on exactly how precision agriculture can benefit their operations. To that end, we have a variety of tools and platforms available to anyone with a thirst for knowledge. Visit learn.trimble.com for e-learning experiences and access all of our web resources at: ptxtrimble.com/en/learn/resources

## Precision Ag Blog

Explore our educational blog to learn more about precision agriculture technology, industry news, and how PTx Trimble solutions can make solving common farm challenges easier.

ptxtrimble.com/en/learn/resources/blog

## ROI Calculators

Farming is expensive, but precision ag doesn't have to be. In fact, precision ag solutions can often pay for themselves via reduced inputs and operational expenses. To show the specific value they can provide for your unique situation, we have a range of return on investment and savings calculators. Check them out at:
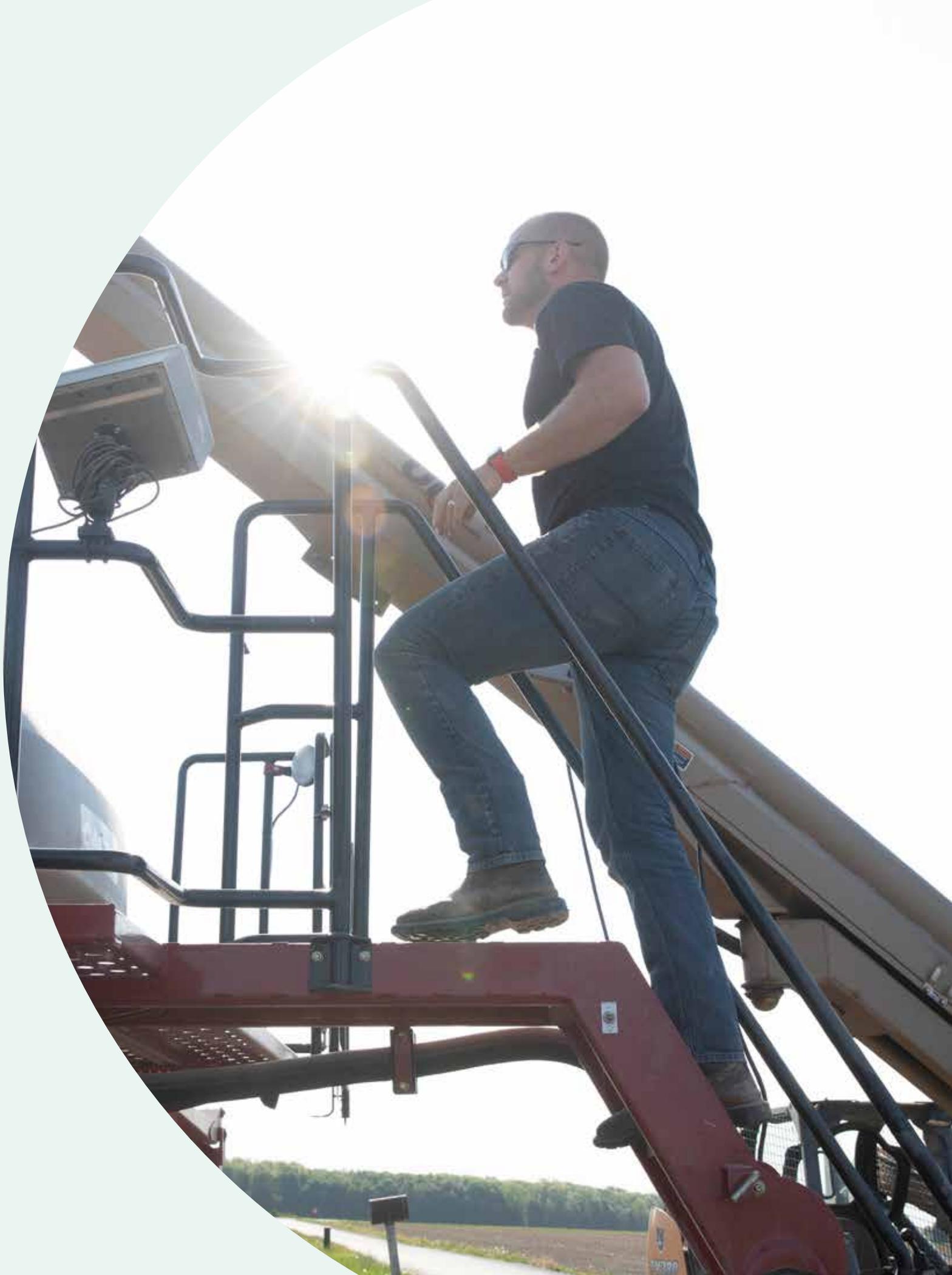
ptxtrimble.com/en/learn/resources

## FAST App

The FAST App is an easy-to-use precision ag recommendation tool for dealers and farmers. By answering 10 quick questions about your grower's operation, the app will suggest a customized set of PTx Trimble products while also providing valuable information about potential customers. Find it at

ag.trimble.com/fastapp

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