Product Portfolio

Trimble. Agriculture

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Trimble Agriculture provides user-friendly and innovative precision ag 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, Trimble® solutions can be used on most equipment on the farm, regardless of manufacturer.

From the office to the field, all year round, 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. Trimble 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.

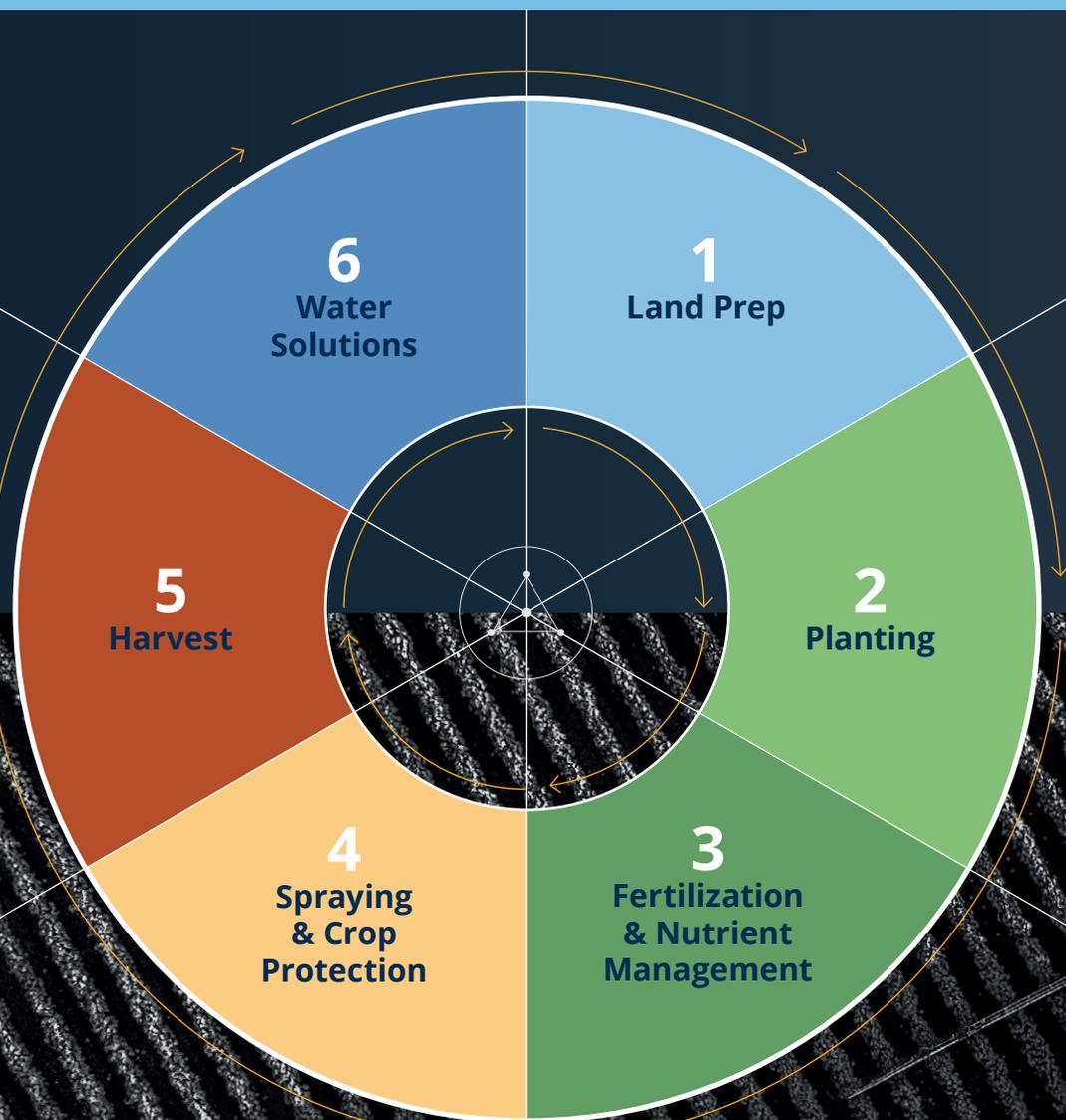Simply put, Trimble Agriculture provides Easier Farming with Precision.

For more information on Trimble Agriculture, visit:
agriculture.trimble.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 in high demand. It is more important than ever for farmers to prioritize the productivity-enhancing precision ag solutions from Trimble Agriculture. 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 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 the first time, and Trimble helps 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. Trimble 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. 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, Trimble has the equipment and software required to enable a fast, accurate and efficient harvest.

6. Water Solutions

For more than 50 years, Trimble has 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.

Guidance & Steering Displays

The guidance displays from 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.
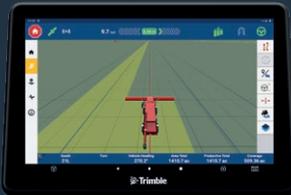
Precision Ag technology boosts profit by $60 per acre or $150 per hectare on average[1]

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.

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

GFX-1060™ Display

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

- Modular "mix and match" technology allows the solution to grow with an operation
- Full ISOBUS compatibility enables true mixed fleet capability across equipment brands
- Familiar Precision-IQ interface helps manage all aspects of farm and field operations
- Rugged design provides long-term reliability in challenging environments

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 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.

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.

- Tough construction to handle every day use across vehicles and field operations
- Compatible with a range of guidance controllers and steering systems depending on preference
- Multiple connectivity options to enable efficient sharing of data across the business
- ISOBUS functionality to allow maximum compatibility and transferability

ISOBUS Terminals

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

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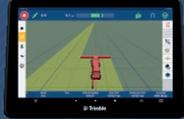[1] farmdocdaily.illinois.edu/2020/03/quantifying-the-economic-benefits-of-on-farm-digital-technologies.html

Display Comparison Using Precision-IQ™ field application

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	Standard	Standard	Standard
Guide to Feature Lines	Standard	Standard	Standard
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

Flow & Application Features

		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 2
	Population/ Blockage Monitoring	Up to 96 rows	Up to 96 rows	Up to 48 rows
	Details (Pop, Sing, Skips, Multiples, Spacing)	Standard	Standard	Option
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 channels
	WeedSeeker® 2 System	Option	Option	Option

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

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

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

Guidance Receivers

Every purchase of a NAV-900 guidance controller includes the leading CenterPoint® RTX correction service from Trimble for the first year.

Experience the easiest, most robust way to get repeatable < 2.5 cm (1 in) high-accuracy performance out of your machines.

NAV-900 Guidance Controller

The most advanced GNSS receiver from Trimble to date is built for maximum uptime and 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 all available global GNSS constellations including GPS, GLONASS, Galileo, Beidou, and QZSS

- Built-in Bluetooth makes tethering and device connections simple and easy

- Utilizes the powerful ProPoint® GNSS engine from Trimble for robust performance in harsh environments with CenterPoint RTX correction service

- 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

- Rugged low-profile housing easily withstands long days in the field

- Provides access to the Trimble ViewPoint RTX® correction service and SBAS where available

- Offers roll-corrected manual guidance and compatibility with multiple assisted steering options

Correction Services

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, no matter where you are located, Trimble has a correction service solution for your farm.

Trimble has a correction service for every agricultural need, no matter what you farm, how you farm, or where you are located in the world. Stay online 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 minimum setup time.

CenterPoint RTX included for the first year with purchase of every new NAV-900!

- 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 NAV-900, TMX-2050
- Coverage: see coverage map

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
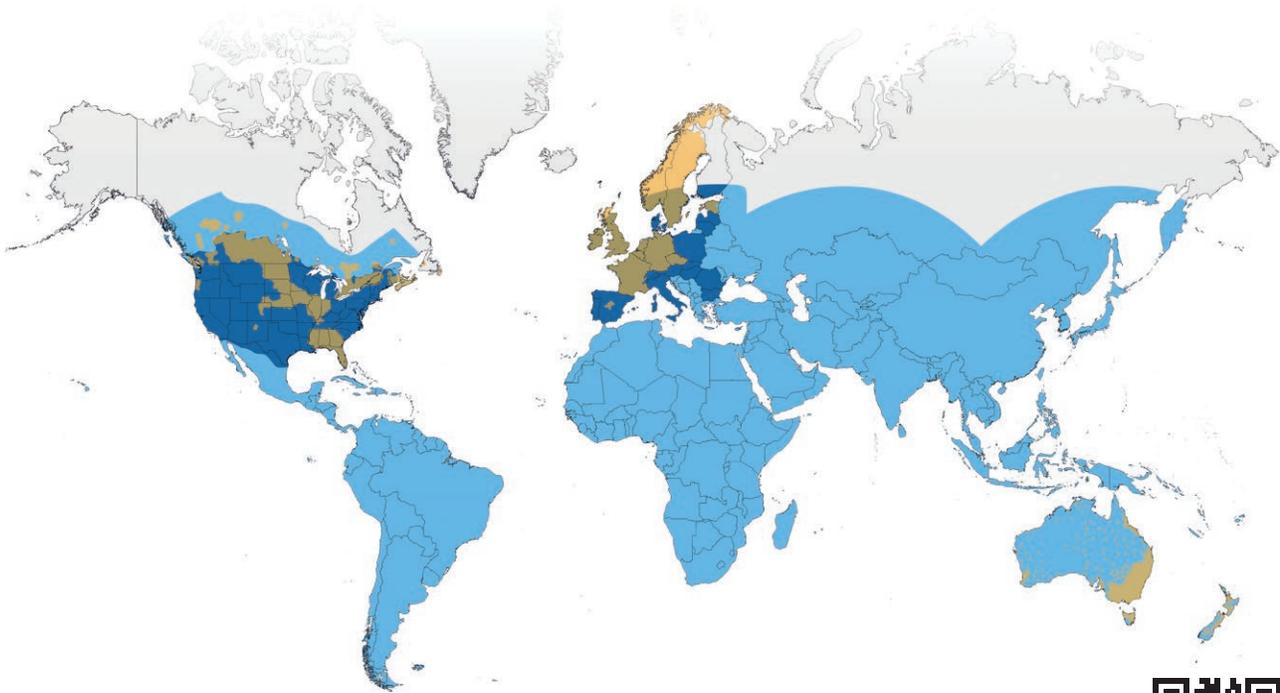- Compatible With: TMX-2050, NAV-900
- Coverage: See coverage map

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-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

CenterPoint RTX Fast
CenterPoint VRS
CenterPoint RTX (RangePoint RTX, ViewPoint RTX, xFill Premium)

Additional Accuracy Levels

For farmers interested in increasing the return of investment of 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 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

Steering Systems

A wide selection of automated and assisted vehicle and implement steering systems from Trimble ensures 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

Trimble Autopilot Motor Drive Solutions
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 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

- Utilizes T3™ terrain compensation technology for repeatable pass-to-pass accuracy in valuable row crop fields

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

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 Trimble 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 around a vehicle 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-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 satisfy regulatory requirements through simplified proof of placement reports with AutoSync feature.

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

Work Orders

This feature of Trimble Ag Software and Precision-IQ is designed to make life easier for busy farm managers handling multiple operators, fields and crops. Work Orders simplify managing logistics, assigning tasks, tracking progress and making quick adjustments to maximize efficiency and farm productivity by taking the guesswork out of planning, delegating and tracking field work across an entire operation.

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

Farm Operations Management

The precision ag software and cloud-based applications from Trimble Agriculture help farming businesses of all sizes organize data, streamline workflows and get the most value from 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, Trimble offers a suite of data management solutions that make it easier to turn information into revenue.

Trimble Ag Software

Our software solutions offer 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 new Data, Operations, and Business user licenses from Trimble enable farmers to manage display data anywhere, plan and orchestrate field operations, and effectively manage the business aspects of farming.

- Organize display data to ensure field work is executed correctly

- Save time collecting and sharing job data from the display

- Access real-time information to more effectively run operations

- Optimize operational efficiency by managing daily work and monitoring field activities

Field Manager

Create, manage, send and sync resources for field work from any connected device. The intuitive web interface mimics the resource management features in Precision-IQ and gives farmers the ability to manage all their field data from within Trimble Ag Software.

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.

Centralized data management

Data sync features bring together operational information as it is collected to save time setting up displays for field work,compiling and reviewing as-applied records, and finding the data you need to efficiently scale your business.
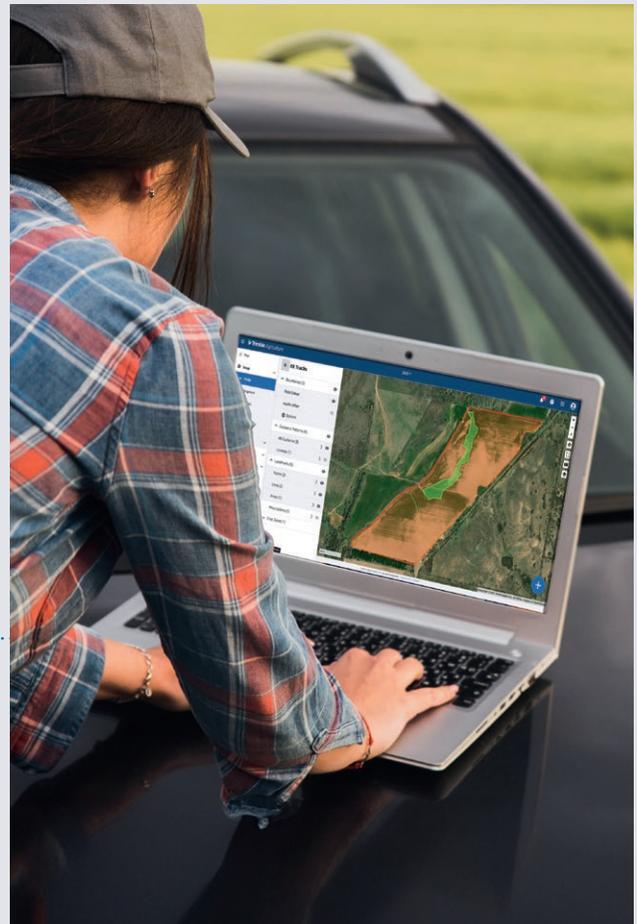
Optimized communication and planning

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 so you can get back to yours.

Third-Party Data Integrations

Trimble Ag Software supports data compatibility, connectivity and data exchange with other third-party farm management software platforms via an available API, including those from Raven, AGCO, John Deere, Case IH, New Holland, and more.

Data Warehouse

Large farm and agricultural enterprise customers of Trimble require streamlined and timely automated data management workflows. Data Warehouse is an innovative data management tool that gives Trimble customers access to key subsets of data in order to independently create reports and dashboards.

Flow & Application Control

Managing the rate and flow of crop inputs is an essential part of every modern precision ag operation. Flow and application control solutions from Trimble assist farmers in precisely applying inputs like seed, fertilizer, and crop protection exactly where needed in their fields.

Field-IQ Crop Input Control System

Trimble Agriculture's proprietary flow and application control system is a modular solution designed to grow with you as your implement and field operation needs evolve.

- Automatic section control eliminates overlap by individually controlling up to 48 sections of an implement with the Tru Count Electric Row Clutch

- 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

Save up to
10% on input costs
with Field-IQ

TUVR & Serial Rate Control

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.

- Enable automatic rate and section control functions with the hardware you already own

- Serial rate support and section switching commands available for 3rd party protocols and OEM displays

- Eliminate over-application while saving valuable time and money

Field-IQ ISOBUS Control Solutions

Trimble Field-IQ ISOBUS offer compatible application control. Take charge of your crop input costs utilizing the implement of your choice to get the job done. With AEF-certified ISO compatibility, Field-IQ ISOBUS gives growers greater control over their investment decisions, helping you get more out of your field and equipment.

- ISOBUS protocols allow farm equipment to communicate regardless of brand by providing compatibility between a console and multiple implements

- Use your Trimble display with Field-IQ ISOBUS in order to utilize Universal Terminal and Task Controller to control multiple channels and dozens of sections.

- Field-IQ ISOBUS ECUs are available for a wide variety of field operations including spraying, spreading, slurry, hoeing, strip-till, air cart seeding, and planting with features like scale controller, tank control, blockage sensors and specialty orchard & vineyard sprayer management

Planting

Planting is the most important operation of the year for every farm that doesn't have permanent crops. Trimble Agriculture recognizes this and has developed a wide range of solutions to ensure growers can optimize the timing and placement of seed, effectively utilize as many inputs as needed, and maximize their potential yield when harvest comes at the end of the season. Here are four technologies we offer to help ensure an accurate and efficient planting season.
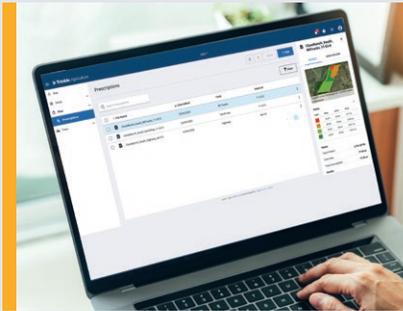

Section and Individual Row Control

Precisely control the location of your inputs and reduce costly overlap using section and individual row control solutions such as Field-IQ paired with the Tru Count Electric Row Clutch.

- Manage seed, liquid, and anhydrous using section or individual row control on up to 48 individual sections

- Eliminate overlap by automatically turning off rows and sections that have already been covered

- Monitor and respond to seeder issues with a new blockage sensor for seeders

Reduce seed costs
up to 10%
with individual row control[3]

Prescription Maps

Use Trimble Ag Software to leverage crop data from previous years and create prescription maps to place the right rate of seed in the right place.

- Wirelessly transfer prescription maps from the office to the display for planting with variable rate technology

Variable Rate Application Control

Simultaneously control the application rate of up to 6 different materials including seed, granular fertilizer, liquid, and anhydrous ammonia in different combinations.

- As-applied mapping records where you've placed inputs
- Automates record keeping

Implement Control

Plug Trimble displays into ISOBUS-ready implements or easily retrofit existing planters and seeders to be ISOBUS-compatible for ultimate implement control.

- Expand productivity by moving control logic and equipment configurations to the implement so any ISOBUS capable display can run them
- Ideal for mixed fleets with multiple power units—remove the need to tie your implement to a single tractor

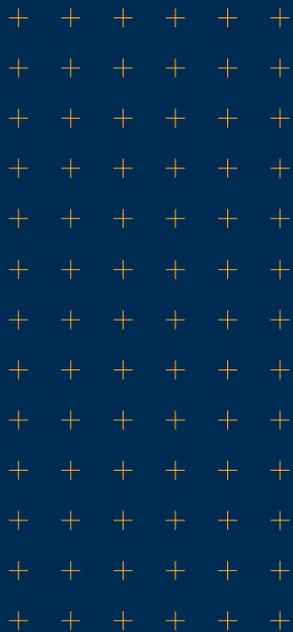[3] www.globalagtechinitiative.com/alliance/precision-agriculture-higher-profit-lower-cost/

Nutrient Management

After crops are planted and beginning to emerge, it's time to ensure they get the nutrients they need to deliver on your yield goals. The range of nutrient management solutions from Trimble allows users to take control of their inputs by utilizing specialized implements they already own through retrofits and ISOBUS compatibility.

Trimble Field-IQ ISOBUS
Solutions for Nutrient Management

- ISOBUS electronic control units (ECUs) available for all liquid, slurry and spreader applications

- Communicate with ECUs via any ISOBUS-compatible Universal Terminal (UT) or Task Controller (TC)

- Save more on inputs using ISOBUS section control and variable rate applications

- Field-IQ ISOBUS weather station shows live weather conditions on your display and adds them to your records

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)

Crop Protection

Save up to $25 per acre [$60 per hectare] on inputs with variable rate technology[4]

No farmer wants to miss out on productive yields by losing healthy crops mid-season to pests, fungus and weeds. The lineup of crop protection solutions from Trimble is powered by an ever-growing list of ISOBUS-based product offerings. Our range of sensors and ECUs will help you get the most out of your spraying activities across all field and crop types, from broadacre and row crops to permanent vineyards and orchards.

Trimble ISOBUS Solutions for Crop Protection

- Add WeedSeeker 2 automatic spot spray system sensors to your sprayer boom for individual nozzle control and maximum savings on herbicide

- Save money using the implements you already own by retrofitting them with Field-IQ ISOBUS ECUs for spraying and hoeing applications

- Our ECUs are highly adaptable to add section control and variable rate capability to specialized permanent crop, vineyard and orchard sprayers

- Ultrasonic sensors available for precise spraying and reduced environmental impact

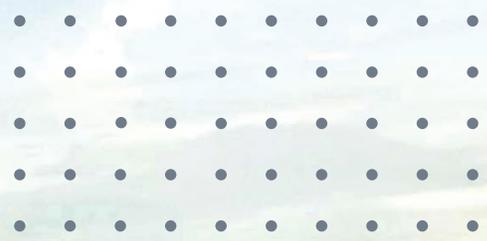[4] www.ers.usda.gov/amber-waves/2016/may/cost-savings-from-precision-agriculture-technologies-on-us-corn-farms/

Spot Spraying

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

Save up to

90%
on herbicide
input costs

WeedSeeker 2
Automatic Spot Spray System

Save money and reduce environmental impacts by only applying herbicide where it's needed with 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.

- 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

Precision ag technology can reduce use of fertilizers **up to 5%**[5]

Viticulture and Permanent Crop Solutions

Producing high quality wine and other specialty high-value crops is expensive, time consuming and hard work. Doing it all while also trying to increase profits, reduce costs and maintain environmental sustainability only adds to the burden. Precision agriculture solutions from Trimble support every phase of the growing cycle, from water management, land preparation and planting through to fertilizing, spraying, harvest and off-season data analysis. With Trimble solutions for viticulture and permanent crops, you can leverage decades of precision farming experience and technology leadership to achieve profitability, efficiency and sustainability.

Trimble Agriculture solutions are easy to learn and use, adaptable to the specific needs of every operation, compatible with most specialty vineyard and orchard equipment, and reliably perform in rugged conditions with minimal maintenance or downtime. While our strength in guidance displays, GNSS receivers and steering systems for all types of ag vehicles is well known, we also offer a wide range of other precision ag products and services ideally suited to the specific needs of viticulture and permanent crop operations.

[5] www.mdpi.com/2071-1050/12/9/3765

Displays

Trimble guidance displays like the GFX-1060 and GFX-1260 help you accurately monitor and map field information in real time. Benefit from their industry-leading performance and reliability to complete field applications quickly and efficiently.

Steering Systems

Assisted and automated steering systems like Autopilot and EZ-Pilot Pro ensure your vehicle stays on line with maximum precision. Advanced terrain compensation technology immediately calculates the actual position of the vehicle for improved accuracy in difficult conditions such as rolling terrain, slopes, rough ground, and under tree canopies.

Navigation and Correction Services

Trimble has led the positioning market for nearly 40 years and our guidance controllers and RTX correction services are the backbone of every precision agriculture solution we offer. Benefits such as increased yield can be achieved using our leading positioning and corrections technology no matter where you are located.

Flow and Application Control

From flow control valves and WeedSeeker 2 intelligent spot spraying sensors to full Field-IQ solutions that perform variable rate application and automatic section control, Trimble flow and application control systems help you increase yields and save on input costs for fertilizers, pesticides, herbicides and more.

Field-IQ ISOBUS Control Solutions

Take control of your crop inputs with the broad compatibility of Trimble Field-IQ ISOBUS Control Solutions. Integrating your implements doesn't mean doing away with old equipment. With Field-IQ ISOBUS Control Solutions, you can get more out of the equipment you already own to save money and time in the field.

Farm Operations Management

Software solutions from Trimble assist in turning farm data into profitable decisions in real-time. Our innovative, fully integrated Trimble Ag Software will transform the way you farm by displaying, transferring and sharing the data you need from the in-cab display to the farm office to your phone, automatically and hassle-free through the cloud.

Key Benefits

- Monitor your vineyard or orchard through vigor mapping and how it correlates to your fruit quality.

- Measure additional variables such as canopy density and rate of growth, and track the adjustments you make throughout the season.

- Capture and record your spraying activities, then easily share with the required reporting entities.

- Analyze your data to determine if there are correlations between the actions you took, your brix and acidity levels, and the quality of your harvest.

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 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.
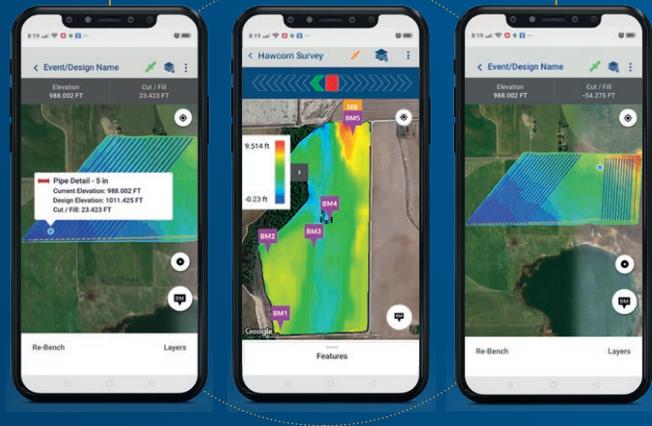
Land Forming & Grade Control

With the extensive lineup of land-forming solutions from Trimble, you can streamline your efforts for more efficient water distribution with minimal soil disturbance. And 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-1060 and GFX-1260 display users. Paired with WM-Form® design software, WM-FieldForm will optimize water distribution and drainage with a single end-to-end workflow.

- Efficiently distribute water by maintaining the grade

- Minimize topsoil disturbance and reduce erosion

- Improve yields by controlling excess water

- Achieve 95% or higher uptime in the most challenging environments at any time of year

- Open up more farmable area

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 paid 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™ a device of their choice, users can connect their own GNSS receiver to create topographic maps for use in a variety of applications.

- 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
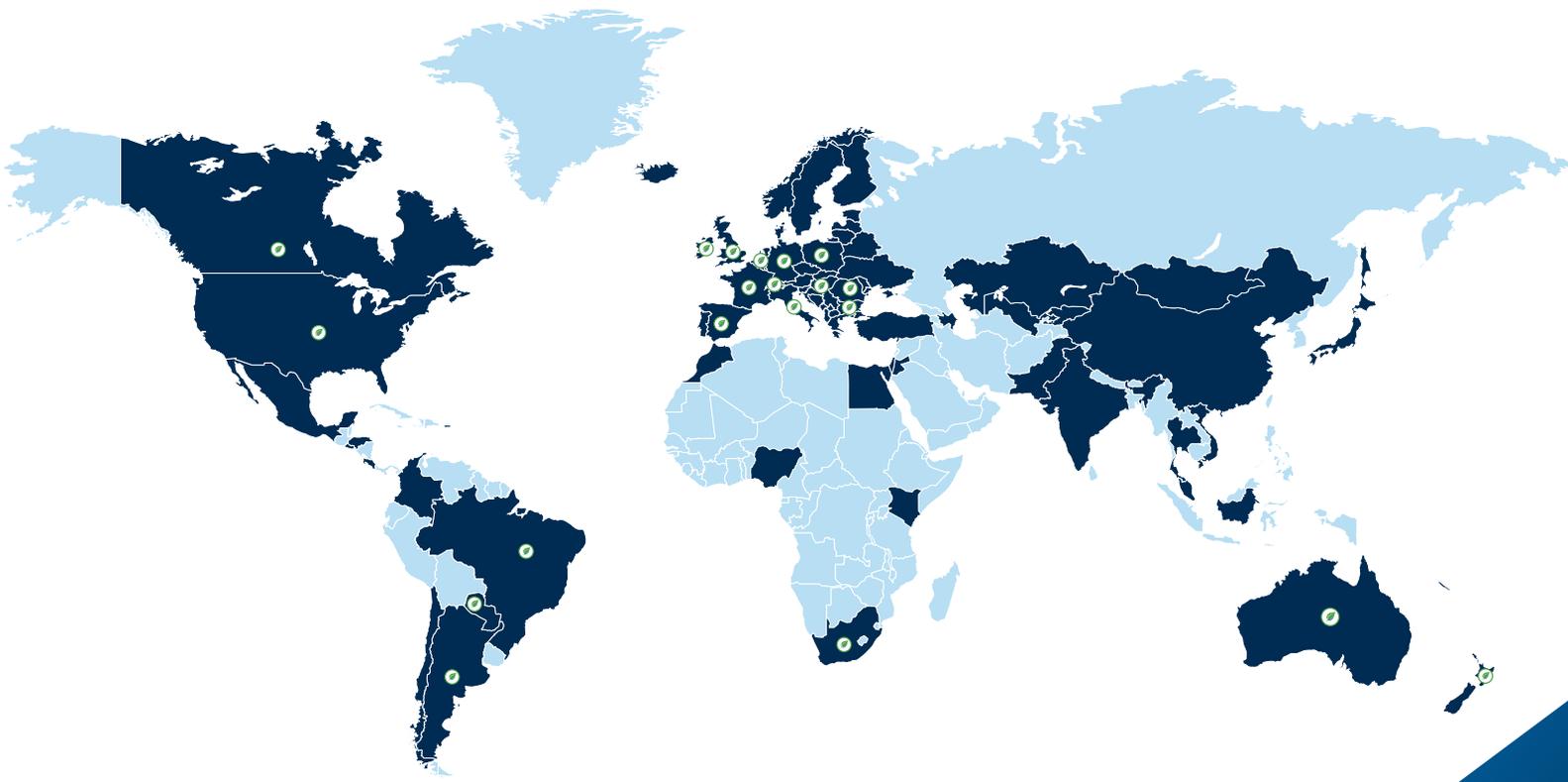

Subsurface Drainage

The suite of subsurface drainage solutions from 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

Improve crop yields up to 30% the first year

Trimble Authorized Dealer: Official source for Trimble agriculture solutions.

Vantage Distribution Partner: Premier distributor partner of Trimble precision agriculture solutions.

Reseller Network Map

The global network of expert precision ag resellers from Trimble offers customized sales, support, and service of our entire portfolio. Our premier Vantage™ Authorized Distribution Partners and our Trimble Authorized Dealers have years of experience and deep knowledge of the local agricultural landscape, allowing them to provide excellent solution recommendations and advice on everything a grower needs to maximize farm efficiency, sustainability and productivity. Find your local dealer today at:

agriculture.trimble.com/en/how-to-buy

Learn More with Trimble Tools

Trimble Agriculture 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 as well as our blog available at **agriculture.trimble.com/blog.**

VIRTUAL FARM

Trimble Virtual Farm is an interactive online experience for farmers all over the world to immerse themselves in the world of precision ag. We know farming is hard—but our precision solutions can help make it easier. See how our easy-to-use technology can maximize productivity and ROI for your operation at Virtual Farm:
ww2.agriculture.trimble.com/virtualfarm/

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 specificvalue they can provide for your unique situation, we have a range of return-on-investment and savings calculators. Check them out at:
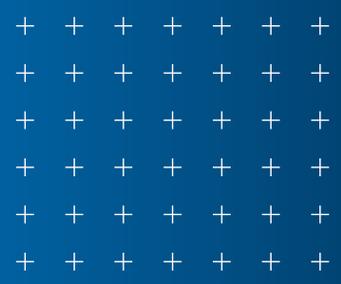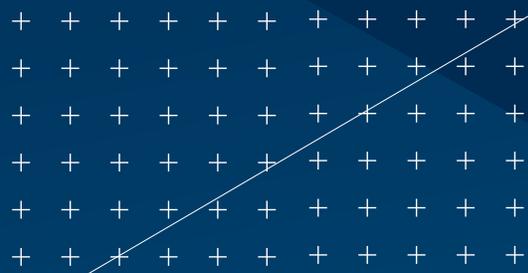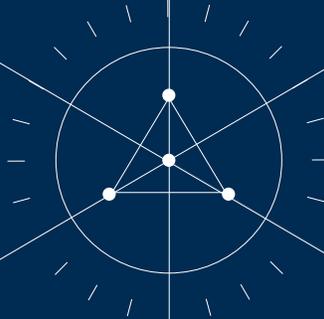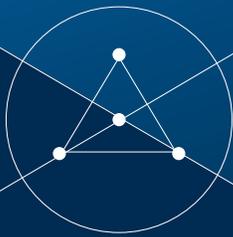agriculture.trimble.com/en/learn/resources

FAST APP

The FAST App (Flexible Agriculture Solutions by Trimble) is an easy-to-use precision ag recommendation tool for resellers or farmers. By answering 10 quick questions about a growing operation, the app will suggest a customized set of Trimble products while also providing valuable information about potential customers. Find it at ag.trimble.com/fastapp or on the Android and iOS app stores.

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