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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.











1. Land Prep

It all starts with the earth. Efficient soil treatments and tillage set the stage for a successful crop season. Trimble's guidance & steering and flow & application control product lines ensure you make the most of your land prep 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 after the seeds are in the ground. 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

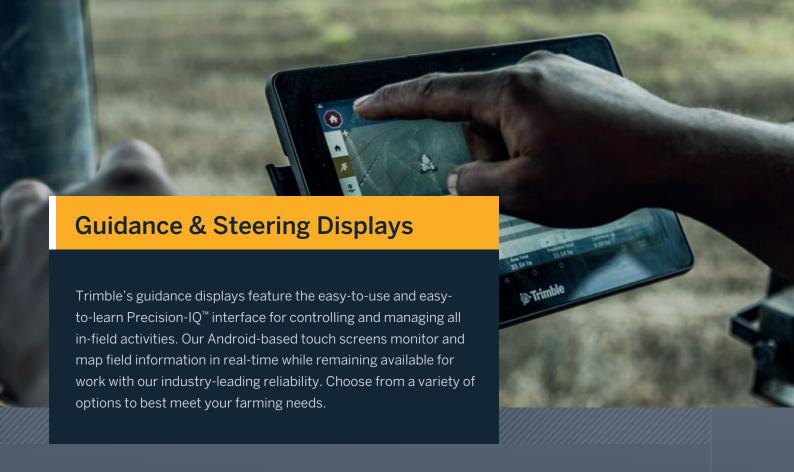
Preventing loss is the name of the game later in the growing season. Trimble is all in on providing accurate and extensive implement control through both ISOBUS and proprietary flow, and application control solutions.

5. Harvest

Whether you need to fulfill delivery of a large grain order or have a short window of time to complete harvest, Trimble has the equipment and software required to quickly and accurately realize the yield sitting in your fields.

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.





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 maximises 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

Trimble's latest 10-inch (25 cm) display improves user experience with the power and connectivity needed to quickly and accurately complete 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.





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



TMX-2050[™] Display

Legacy 12-inch (30 cm) display providing access to the FmX® Plus field application while remaining compatible with the Precision-IQ interface and Trimble App Central.

- Supports multiple receivers required to perform water solutions or implement guidance
- Compatible with virtually all equipment allowing you to easily communicate across your fleet and between devices
- Get to work quickly with the Android operating system providing a flexible, intuitive user experience
- · Customisable run screen with ability to move and turn widgets on or off to meet user needs

Display Comparison Using Precision-IQ™ field application

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Specifications	GFX-1260 Display	TMX-2050 Display	GFX-1060 Display	GFX-350 Display	
Screen Size	30.7 cm (12.1 in)	30.7 cm (12.1 in)	25.6 cm (10.1 in)	17.1 cm (7 in)	
Storage	32GB	16GB	32GB	16GB	
RAM	4GB	1GB	4GB	1GB	
USB Ports	2	2	2	1	
CAN Ports	3	2	3	1	
External Camera Support	2	2	2	1	
Bluetooth [®]	Bluetooth 5	N/A	Bluetooth 5	Bluetooth 4.1	
Wi-Fi	2.4 & 5 GHz	Option	2.4 & 5 GHz	2.4 GHz	
Software Connected Features					
AutoSync™ Feature	Option	Option	Option	Option	
Work Orders	Option	Option	Option	Option	
Guidance Line Features					
Guidance Line Features	Standard	Standard	Standard	Standard	
Application Control Licenses					
Field-IQ [™] License	Option	Standard	Option	Option	
ISOBUS Universal Terminal/ Task Controller	UT Standard	TC Option	Option	Option	
Prescriptions – multi-layer, multi- file, import .shp and ISO XML	Option	Option	Option	Option	
Serial Rate and TUVR	Option	Option	Option	Option	
Multi-Product Control	Up to 6 channels	Up to 6 channels	Up to 4 channels	Up to 2 channels	

KEY

Standard - Included functionality

Option - Functionality requires additional license

Not Available

^{*}Any additional channels require the Multi Channel/Multi Product License

Guidance Receivers





NAV-900 Guidance Controller

Trimble's most advanced GNSS receiver to date, 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.

- Full range of correction signals including GPS, GLONASS, Galileo, Beidou, and QZSS constellations
- Built-in Bluetooth makes tethering and device connections simple and easy
- Utilises Trimble's most powerful GNSS engine for robust performance in harsh environments

Every purchase of a NAV-900 guidance controller includes Trimble's leading CenterPoint® RTX correction service 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.

Centimeterlevel accuracy out of the box



NAV-500[™] Guidance Controller

Paired with any GFX series display, this is an affordable precision solution capable of receiving corrections from multiple GNSS satellite constellations.

- Get cost-effective, repeatable sub-metre 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 5 satellite constellations
- · 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 positioning 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.



CenterPoint® RTX

For high accuracy anywhere on the farm, without set-up time, additional hardware or cell service interruptions.

CenterPoint RTX included for the first year with purchase of a 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

- Delivery: Satellite or cellular modem
- Compatible With: TMX-2050, NAV-900
- · Coverage: see map opposite



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



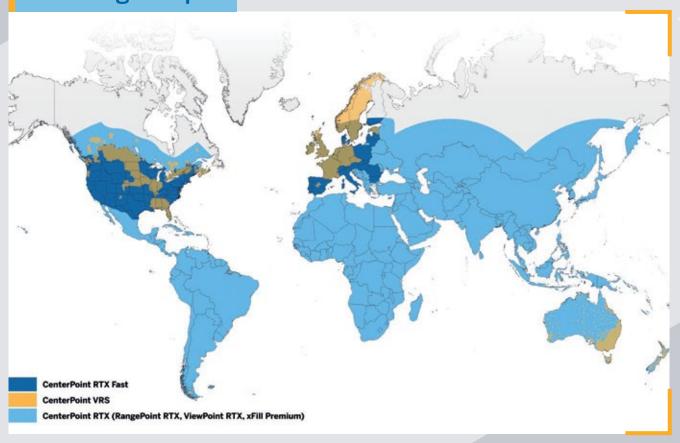
CenterPoint RTK

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 initialisation 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



Additional Accuracy Levels

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



RangePoint® RTX

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



ViewPoint RTX®

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

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

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



Trimble's wide selection of automated and assisted vehicle and implement steering systems 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



Autopilot™ Motor Drive System

- · Autopilot-level accuracy in a steeringcolumn 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® ProAssisted 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-Pilot®
Assisted Steering System

- Affordable accuracy in a flexible, low-profile design
- Easily scalable to higher accuracy steering options with minimal downtime



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
- Utilises 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



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.



NextSwath End-of-Row Turn Technology

Save time and increase the productivity of your fields by automating your end-of-row turns. NextSwath™ end-of-row turn technology 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.



Auto Asset Detection Beacons

Reduce configuration time and costly user errors when switching implements, ensure the correct implement is selected in the display, and quickly get back to work in the field with Auto Asset Detection Beacons. These Bluetooth beacons are configured and attached an implement for automatic implement detection and setup when used with any GFX-series display.

Note: Requires purchase of Bluetooth beacons along with an activation license and a GFX display.



AutoSync Feature

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 or WiFi, 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 maximise 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 WiFi, Precision-IQ v6.6 or newer, and a Display Connection license for each display.





Flow & Application Control

Managing the rate and flow of crop inputs is an essential part of every modern precision ag operation. Trimble's flow and application control solutions help farmers precisely apply inputs like seed, fertiliser 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 Tru Count Electric Row clutches
- 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





TUVR & Serial Rate Contro

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 utilising the implement of your choice to get the job done. With true 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 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.



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 optimise the timing and placement of seed, effectively utilise as many inputs as needed, and maximise 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 Control

Precisely control the location of your inputs and reduce costly overlap with section control solutions from our Field-IQ and Tru Count Electric Row Clutches.

- Manages seed, liquid, and anhydrous using section control on up to 48 individual sections
- Eliminates overlap by automatically turning off sections that have already been covered





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 fertiliser, 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 ISO 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



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. Trimble's range of nutrient management solutions allow you to take control of your inputs by using the specialised implements you already own through retrofits and ISOBUS compatibility.



Trimble ISOBUSSolutions 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 fertiliser 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

No farmer wants to miss out on productive yields by losing healthy crops mid-season to pests, fungus and weeds. Trimble's lineup of crop protection solutions are 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 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 Trimble 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



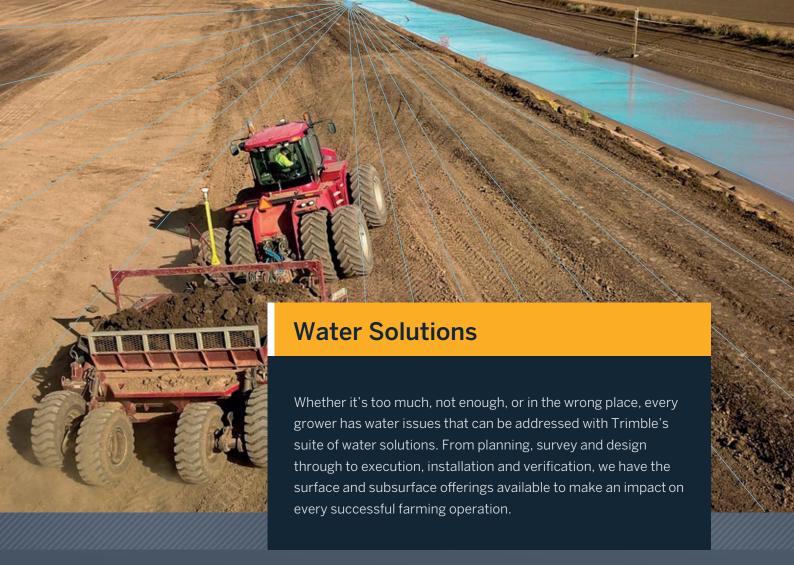


Backed by 25 years of experience using advanced optics and processing power, Trimble's spot spraying technologies deliver superior weed killing performance with unbeatable accuracy and efficiency, protecting your bottom line.





- 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

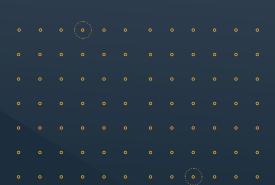




Land Forming & Grade Control

With Trimble's extensive lineup of land forming solutions, you can streamline your efforts for more efficient water distribution with minimal soil disturbance. The FieldLevel™ II system and VerticalPoint RTK™ grade control paired with WM-Form® software simplifies the surveying, designing, and dirt-moving steps required for land forming projects.

- Efficiently distribute water by maintaining the grade
- Minimise 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 acreage



WM-Survey II[™] App Design Software

WM-Survey II™ 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 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

Trimble's suite of subsurface drainage solutions provide 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.

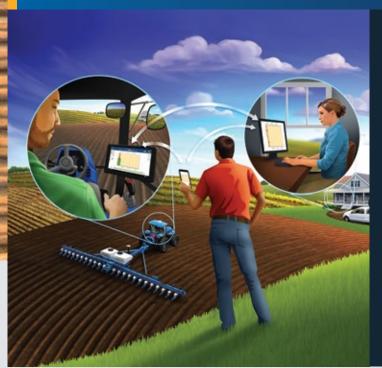
- Remove excess water from the field and lower plant stress
- Reduce field compaction and minimise soil erosion
- Maintain a more developed root zone and ideal root depth for better nutrient absorption
- Control the water table of your field and potentially reduce irrigation needs

Improve crop yields
up to 30% the first year





Farm Operations Management



The precision ag software and cloud-based applications from Trimble Agriculture help farming businesses of all sizes organise 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's suite of data management solutions make it easier to turn information in to 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. Trimble's Farmer Core and Farmer Pro software solutions are designed to streamline operations, from the cab to the office and everywhere in between on a mobile device.

- Organise 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
- Optimise operational efficiency by managing daily work and monitoring field activities



Data Warehouse

Trimble's large farm and agricultural enterprise customers need 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.

- · Customised business intelligence reports enable quick and easy decisions that drive profitability
- Get more from your farm data through API integrations with analytical tools as well as ERP, payroll and other systems
- · Improve business efficiency and maximise the effectiveness of automated workflows with actionable insights
- Drive top- and bottom-line improvements by identifying growth opportunities in the field—from improved crop performance to increased labour efficiencies

Work Orders

Designed to streamline your workflows, Work Orders are a set of instructions for completing in-field tasks that are created on the web and then synced to Precision-IQ displays to simplify remote task setup.

Third-Party Data Integrations

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





Reseller Network Map

Trimble's global network of expert precision ag resellers offer customised sales, support and service of our entire portfolio. Our premier Vantage™ dealers and our Trimble Authorised 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 maximise farm efficiency, sustainability and productivity. Find your local dealer today at:

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







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 maximise 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 specific value 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 customised 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.



