# Precision Ag Made Easy

Trimble's **Connected Farm** is transforming the way farming works around the world. It's an integrated farm management system that saves growers time and money, while reducing the complex technology headaches that can stall operations. By connecting your farm with Trimble's on-board guidance displays and mobile ag software, generating usable data throughout the crop season becomes automatic, streamlined and easy.

## Why is this kind of seamless integration so important today?

It means that farmers can produce the application maps, reports, and field records needed for government audits and food traceability requirements that are increasingly becoming the norm in farming today.

**Here are some of the key benefits experienced by our customers using the Trimble® Connected Farm® system:**

- **Simplicity & Interoperability** – Trimble's Connected Farm makes production agriculture easier and more effective right from the start. Our systems help you connect all the equipment on your farm, generating stronger results across all aspects of your operation.

- **Reliability** – Trimble is a global technology leader with a 40-year history in agriculture. We understand that successful farmers turn to precision ag solutions to maximize yields and achieve profitability, so we commit to engineering excellent products to meet your needs for years to come.

- **Efficiency** – Save time and hassle with farm data shared automatically across all your devices in real time. No more dual entry, human error, or USB wrangling. Accurately monitor and map field information with Trimble guidance displays while completing applications quickly and efficiently. And with Trimble Positioning Services, you get global reach with local support.

- **Accuracy** – A pioneer in machine guidance with 20 years of experience in the field, Trimble Correction Services offers satellite and cellular-delivered positioning for precision agriculture. Higher accuracy delivers tighter lines and reduced input cost, resulting in higher crop yields.

- **Increased Productivity and Proven ROI** – Trimble's innovative, user-friendly precision ag technology solutions connect your entire operation so you can make data-driven decisions in real time that drive your bottom line.

**Call your local Vantage representative for more information on 1300 TRIMBLE**

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# Connecting the Physical and Digital Worlds to Drive Farm Profits

Is Connected Farm just a concept? No — it's about increasing productivity around the operational workflow involved in field work on the farm.

**Here's how it works:**

▶ The Trimble Ag Software offering, Farmer Core, connects the field to the office and enables the dataflow required for better planning, tracking and recording work.

▶ Farmer Core is constantly expanding to provide more applications to optimize each phase of that workflow.

▶ That workflow typically involves several people, sometimes from different companies, so our Platform is designed to enable contributors from different companies to work together.

▶ That workflow typically involves several tools, sometimes from different providers, so our Platform is designed to enable people to use multiple tools (Trimble and non-Trimble) to complete the job. Note our new APIs.

Another key driver behind Trimble's focus on Connected Farm is to remove some of the costs and complexity of generating accurate and complete records, a requirement that is becoming more and more common due to:

▶ Increase in government compliance requirements

▶ Increase use in Custom applicators to complete work — which need reports.

Collecting reliable, complete, certifiable records is time consuming and difficult for farmers to manage. Farmer Core does this automatically, behind the scenes, and provides a single location to organize, access and leverage all of your farm data.

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# Key Features of Farmer Core

## 1. AutoSync

Farmers can automatically add, edit, update and delete guidance lines, field names, boundaries, materials, implements, vehicles, and operator information across each connected display. This saves time and eliminates the risk of human error by remotely managing and updating field resources on all connected displays from a single place. No more shuffling USB sticks around to every vehicle / display!

## 2. Centralized As-Applied Data

Collecting as-applied data from all of the displays in the field could be time consuming and labor intensive. That's why we created a new feature to transfer as-applied data from each connected display into a centralized location on the web for review and analysis. It saves time and effort with access to all job data in a single location as soon as jobs are complete. Farmers can quickly and easily meet regulatory reporting requirements from an automatically compiled data repository with a complete record of all field work for the year.
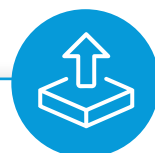
## 3. Wirelessly Send Prescription to Display

Manually loading prescriptions on each display with USB sticks before every variable rate field operation is incredibly time consuming and prone to error. That's why Trimble's Connected Farm system allows growers to wirelessly send imported prescriptions or prescriptions created from Management Zones to connected Precision-IQ™ displays in an organization with Farmer Core.

This way, they can easily and efficiently send VRA prescription files to the displays and vehicles where they will be used from the comfort of your office.

## 4. Export Precision-IQ As-Applied Data in Industry Standard Shapefile Format

Farmer Core converts Precision-IQ as-applied data to the industry-standard Shapefile format for export and download (embedded in the AgGPS directory structure). Our customers can easily access Precision-IQ as-applied data in the data management applications and tools farms are already using.

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## 5. Work Orders

Precision-IQ Display Work Orders allow both the display and a task to be configured remotely via web, mobile app or a connected display. Once in the field, the operator simply selects the Work Order to automatically configure the display and task to begin work.

Farmers can get field work done more efficiently with fewer mistakes and less support with centralized and scalable job setup and tracking.

## 6. Fleet Tracking

It takes considerable effort to track what all of the vehicles in an operation are doing in order to manage logistics and improve operations. That's why in Trimble Ag Software, vehicle location and current work states are shown in a dashboard so managers can keep track of where vehicles are located and analyze historical data to improve productivity.

In short — they can use the current location of all vehicles for organizing logistics and historical utilization data to improve operations and maximize the time operators spend getting work done.

## 7. Bulk Report Creation

Farm managers often need written reports of work for internal records or to share with partners, service providers, or for regulatory purposes. The problem is that compiling this job information into submittable reports can take a significant amount of time. With Farmer Core, farmers can bulk create and download for PDF reports, saving time and greatly reduce the chance for error by creating, downloading and printing reports for multiple jobs at one time.