AG SOLUTIONS

Precision Farming Product Portfolio

AFS®
ADVANCED FARMING SYSTEMS

Repeatable Precision. Unbeatable Support.

INTRODUCTION

Pick Up the Pace of Farming – with a Case IH Precision Farming System.

Whether you're spreading fertilizer, strip tilling or even farming in the dark, Case IH has the perfect guidance equipment for you. Our lineup of remarkably accurate, hands-free guidance systems can help you optimize your profits and lifestyle by saving big on input costs, improving yield and reducing operator fatigue.

From the enhanced productivity of lightbar steering to the pinpoint accuracy of automated guidance, our Advanced Farming Systems (AFS®) solutions are designed to help you farm better and smarter, no matter what crops you grow or where you grow them.

Offering fully automated steering with repeatability and precision, AFS® AccuGuide,™ is your best choice for guidance solutions, providing four levels of accuracy, down to one inch. Case IH also designs higher horsepower tractors, combines and sprayers for simple installation of guidance systems, either in the factory or at the dealership.

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

Case IH has the precision farming solutions to fit you and your farm, no matter your budget or the details of your operation. This precision farming brochure will help you determine which system best suits you.

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

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GPS GLOSSARY

GUIDANCE DISPLAY OPTIONS

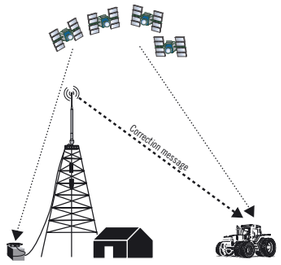
GPS accuracy definitions.

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

Year-round accuracy.

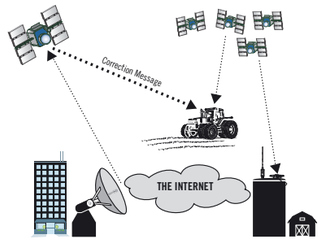
Year-to-year accuracy is the measure of repeatable accuracy that you can drive the same rows a day, week, month, or year later. So, +/- one inch year-to-year accuracy means you can drive the same rows next year within one inch of this year's rows, 95% of the time.

RTK (REAL-TIME KINEMATIC)



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

DIFFERENTIAL GPS (DGPS) WITH WAAS AND OMNISTAR CORRECTION



The vehicle with a GPS antenna receives GPS signals from the GPS satellite constellation. The WAAS and OmniSTAR services have many GPS receivers at known reference locations that send the correction messages to control stations, which then uplink the message to a geostationary satellite (WAAS or OmniSTAR). The geostationary satellite then sends the correction message to the GPS antenna on the vehicle, which applies the correction.

WHY IS GLONASS AND L2C IMPORTANT FOR HIGH ACCURACY?

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

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

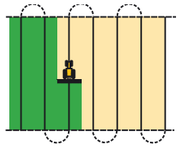
The 442 GNSS receiver, with the ability to process GLONASS and L2C satellite signals, offers users a higher level of "productivity insurance" than other receivers. This new capability will help improve signal availability for certain RTK applications that rely heavily on "z" or vertical axis satellite positioning data, and for RTK users at certain times in some areas.

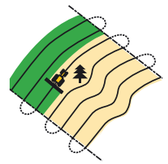
	EZ-GUIDE® 250 SYSTEM	FM-750™ DISPLAY	FM-1000™ DISPLAY
Size of color screen	4.3"	8.0"	12.1"
Touch screen		√	√
Built-in GPS receiver	√	√	√
Submeter accuracy	√	√	√
OmniSTAR 2–5" accuracy		√	√
Sub-inch RTK accuracy		√	√
GLONASS availability		√	√
Assisted steering compatibility	√	√	√
Automated steering compatibility		√	√
Implement control capability			√
Flow and application control compatibility		√	√
Office software compatibility	√	√	√
Yield monitoring			√

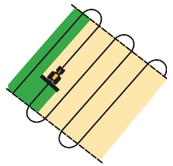
CHOOSE EIGHT DIFFERENT PATTERNS

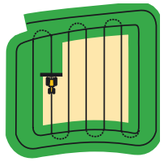

HEADLAND

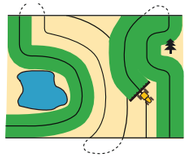

PIVOT


A-B PATTERN


IDENTICAL CURVE


A+ PATTERN


MULTI HEADLANDS


FREEFORM


ADAPTIVE CURVE

EZ-GUIDE® 250 SYSTEM

FM-750™ INTEGRATED DISPLAY

AFS ADVANCED FARMING SYSTEMS

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Following the leader just got easier. And more affordable.

The EZ-Guide® 250 system offers high-quality, entry-level guidance capabilities at an entry-level price. You can upgrade from manual to assisted steering by adding the EZ-Steer® assisted steering system, delivering a total package priced far less than the competition. The EZ-Guide® 250 system is well-suited for broadacre crop applications that can be accomplished with submeter accuracy.
The color screen and multiple guidance patterns make your work easier to perform. Plus, NightMode allows you to work around the clock when field work must be completed. At the end of the work day, transfer your data from the EZ-Guide® 250 system to your desktop computer using a USB flash drive for use in printing coverage maps and reports.

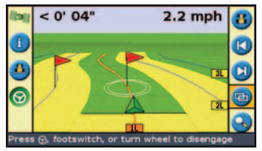
15 BRIGHT GUIDANCE LEDS give you quick, online visual feedback to keep you on track

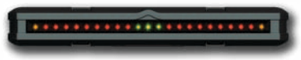
The **FREEFORM™ GUIDANCE PATTERN** offers the ultimate in guidance flexibility, allowing you to work in different patterns and shapes that best fit the layout and contours of your field

THE BUILT-IN GPS RECEIVER provides submeter DGPS accuracy, or upgrade to 6"–8" pass-to-pass accuracy with the optional AG15 antenna

The **4.3" COLOR SCREEN** allows you to see at a glance where you are, where you've been and what you have been doing

NEW! Boundary mapping, point, line and area feature mapping





LB25 EXTERNAL LIGHTBAR can be mounted anywhere in your vehicle to measure off-line distance, regardless of where your display is located

Use a **USB FLASH DRIVE** to transfer your day's coverage maps to your computer and easily print out coverage reports

Available accuracies for the EZ-Guide® 250 system are:

WAAS Submeter accuracy | EGNOS Submeter accuracy | MSAS Submeter accuracy

Introducing the FM-750™ Display: Now Available to Order

The FM-750™ display is equipped with touchscreen technology, Field-IQ™ crop input control system compatibility, and an integrated GNSS receiver that supports both GPS and GLONASS satellite constellations for sub-meter to RTK-level accuracy. In addition, the FM-750™ display works with both the EZ-Steer® assisted steering system and Autopilot™ automated steering system. The FM-750™ display is the best value in the industry.

NEW!

An **8" TOUCHSCREEN** with an all-new intuitive user experience

MANUAL AND AUTOMATED GUIDANCE with the EZ-Steer® assisted steering system and Autopilot™ automated steering system

Built-in 220 channel GNSS receiver that is **GPS AND GLONASS** capable

ATTACHABLE RTK RADIO

SUPPORTS FIELD-IQ™ crop input control systems for spraying, spreading, strip till and planting

DUAL EXTERNAL VIDEO INPUT

FEATURE MAPPING and **RECORD-KEEPING** capabilities

Available accuracies for the FM-750™ system:

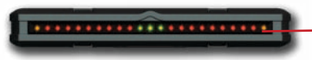
WAAS 6–8 inch accuracy | OmniSTAR XP 3–5 inch accuracy | OmniSTAR HP 2–4 inch accuracy | RTK 1 inch accuracy

FM-1000™ INTEGRATED DISPLAY

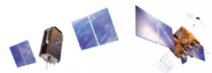
What precision ag functions do you want to control?

With industry-leading performance and reliability, the FM-1000™ integrated display can handle all your precision ag needs. From guidance to steering, rate control to yield monitoring, the FM-1000™ integrated display has you covered. The versatility of the FM-1000™ integrated display makes it the affordable choice to adopt as technology changes.

LARGEST COLOR TOUCH SCREEN available (12.1"/ 30.73 cm)



LB25 LIGHTBARS can be attached to the display or mounted separately



Two **GPS+GLONASS RECEIVERS** provide precision with the vehicle, as well as the working implement behind the tractor—where you really need it

Control up to **48 INDIVIDUAL ROWS** with the Field-IQ™ crop input control system and easy-to-install Tru Count clutches

Yield monitoring to **ACCURATELY MONITOR AND MAP** harvested crop yield and moisture

DELIVER THE CORRECT AMOUNT OF FERTILIZER

CONTROL YOUR RATE when planting, seeding, spraying, spreading and strip tilling with the FM-1000™ integrated display and Rawson™ variable rate drive

EASILY PERFORM prescription-based rate control

MANAGES field leveling and field drainage

CONTROL YOUR IMPLEMENT with the TrueGuide™ implement guidance and TrueTracker™ implement steering systems

Available accuracies for the FM-1000™ display:

AFS® PRO 600 / PRO 700 DISPLAY

The AFS® Pro 600 display can be used throughout a farming operation.

This fully customized color display allows the operator to view, monitor and control as much or as little information as desired. For 20 Series equipment, the AFS® Pro 600 is required.

PLANTING/SEEDING

The AFS® Pro 600 controls Case IH planter operations featuring:

- Prescription Planting
- As-Applied Mapping
- Automated Overlap Control
- Air Carts
- Complete Planter Control

AFS® FIELD PERFORMER

- Allows the operator to record and log fuel usage, individual operator performance, acres per hour and engine efficiencies.
- Late model Case IH Puma,™ Magnum,™ Steiger® and QUADTRAC® tractors as well as Axial-Flow® 20 Series, 7020 and 8020 combines can be equipped with AFS® Field Performer.

HARVESTING

- Machine function and control on Axial-Flow® 7020 and 8020 models.
- Yield, moisture monitoring, mapping and AFS® AccuGuide™ auto-guidance functions on all Axial-Flow® models.

ISO11783

The AFS® Pro 600 is ISO11783 compliant and will serve as a virtual terminal for any ISO11783 compliant implement.

GUIDANCE

- Guidance-ready from factory
- 20 Series tractors
  - Magnum
  - Steiger
  - Patriot Sprayer

AFS® Pro 700
You want more power and greater functionality, You Got It.

- Enhanced processing capabilities
- 3 video inputs, 5 different camera layouts
- Lightweight at only 3.32 lbs.
- 1 GB of internal memory with USB for data transfer

EZ-REMOTE®

EZ-Remote Joystick®

AFS® is excited to introduce the EZ-Remote® joystick, a new product that you can easily connect to the:

- EZ Guide® 250 lightbar
- FM-750™ display
- FM-1000™ integrated display

The EZ-Remote® joystick allows quick and accurate access to the display functions. A typical application has the EZ-Remote® joystick mounted on the vehicle console, providing the operator with an even more convenient way to control a variety of functions from the cab. The EZ-Remote® joystick enhances a wide range of tasks, from basic guidance operations to more advanced operations like nudge and screen navigation.

FEWER BUTTON MISHITS AND DOWNTIME

FEWER ACHES caused by reaching for the display

PROGRAMMABLE KEYS for rapid execution

DCM 300 MODEM

DCM-300 Modem

- Multiuse modem provides VRS™ RTK corrections
- Replaces the Ag3000 modem and the Sierra Wireless modem; used respectively to access Trimble® VRS Now™ Ag RTK correction service
- Offered in two models: a GSM cellular network, such as AT&T, or a CDMA cellular network, such as Verizon
- Available with a single data plan subscription, offering farmers a unique and cost-saving solution to consolidate data plans under one subscription

EZ-STEER® 500 SYSTEM

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Simple, portable hands-free farming for more than 1,000 vehicle models—old and new.

The EZ-Steer® assisted steering system turns the steering wheel for you by combining a friction wheel and a motor with GPS guidance from the EZ-Guide® 250 system, FM-750™ or FM-1000™ integrated display. While the EZ-Steer® system keeps your vehicle in line, you can relax and focus on other tasks in the tractor cab.

RTK UPGRADE
Upgrade the EZ-Steer® system to RTK for repeatable 1" GPS positioning accuracy. This option requires use of the FM-750™ or FM-1000™ integrated display.

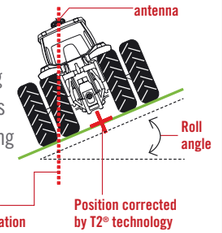
FOOT SWITCH
Engage and disengage the EZ-Steer® system with the optional foot switch for hands-free farming.

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

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

T2® TERRAIN COMPENSATION TECHNOLOGY

Improves accuracy when driving straight lines across sloping terrain



DISPLAY OPTIONS

EZ-GUIDE® 250

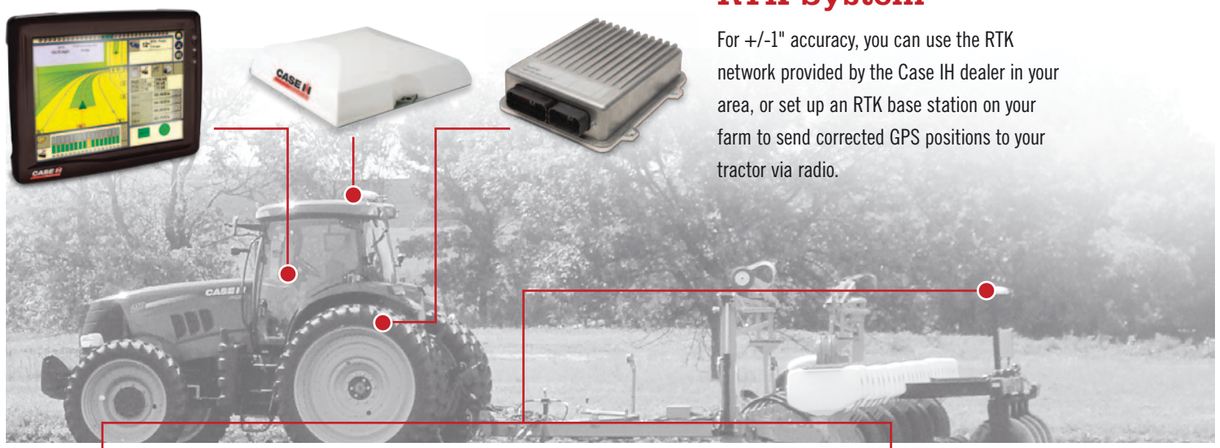
FM-750™

FM-1000™

TRUETRACKER™

Increase your accuracy and yields.

The TrueTracker™ system keeps implements on a repeatable path, even on extremely sloped fields and variable soils. It includes a GPS antenna and T3™ terrain compensation technology mounted on the implement. The FM-750™ and the FM-1000™ integrated displays in the tractor communicates guidance information to the TrueTracker™ system, instantly adjusting implements such as tillage tools, strip tillers, drills and planters, cultivators, sprayers and harvesters to follow directly in the path of the tractor. With repeatable accuracy, the TrueTracker™ system improves seedbed and nutrient placement, helping to enhance crop stands and yields.



RTK System

For +/-1" accuracy, you can use the RTK network provided by the Case IH dealer in your area, or set up an RTK base station on your farm to send corrected GPS positions to your tractor via radio.

262 ANTENNA The 262 Antenna mounts to the implement to provide 1" pass-to-pass and year-to-year accuracy to the NavController II mounted on the implement.

NAVCONTROLLER II Plug-and-play the NavController II into most guidance- ready vehicles. The NavController II sends T3™ terrain compensated corrections and precise steering instructions to the vehicle by using guidance and GPS information from the FM-1000™ integrated display.

IMPLEMENT GUIDANCE SYSTEM The TrueTracker™ implement steering system works with any implement that can be mechanically steered. This includes potato equipment, planters, strip tillage rigs and three-point mounted equipment. Supplemental systems, such as the Orthman® Tracker IV or Sunco Acura Trak, can be added to most implements making them controllable with the TrueTracker™ system.

CONTROL WHERE IT COUNTS.

- The TrueGuide™ system is a "passive" guidance system that controls the implement. It uses the Autopilot™ automated steering system to move the tractor and keep the implement on line
- More control over your implement means more precision in seed and fertilizer placement, and consistent guess rows
- Adding the TrueGuide™ system to the Autopilot™ system typically reduces the uncontrolled drift of the implement by more than 50% over guiding the tractor alone
- Supports accuracy levels from WAAS to GLONASS

LARGE IMPLEMENTS Control your large implements and minimize the effects of draft with no additional steering hardware.

CONTOURS AND TERRACES The TrueGuide™ system can guide the implement to the line, even in the most difficult field patterns.

ROLLING TERRAIN Rolling terrain creates unpredictable implement movements. Control the effects of rolling terrain on the implement by adjusting on the go.

HILLSIDES Minimize the effect of downdraft on severe hillsides. Let your Autopilot™ system pull the implement up the hill and hold the line.

AUTOPILOT™

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Precision you demand.

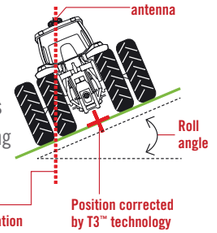
The Autopilot™ automated steering system provides one-inch repeatability from plant to harvest with any field pattern, and extends your operating hours with incredible precision.

RTK GPS Networks

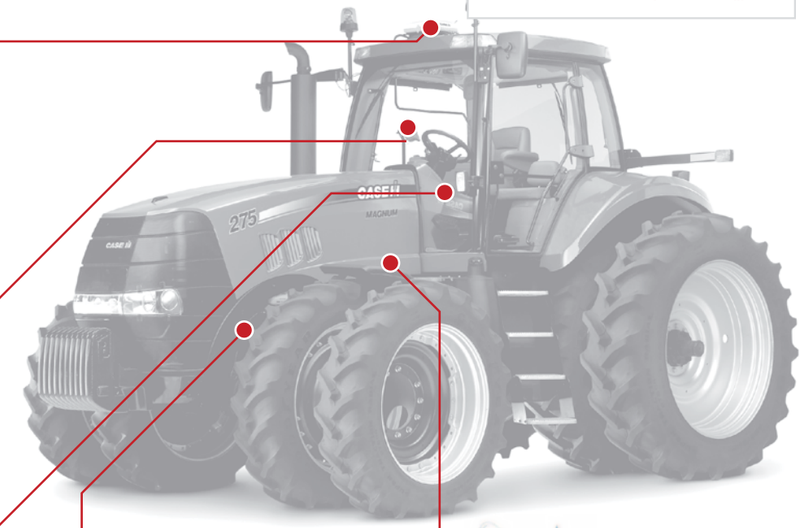
The RTK networks currently cover over 300 million acres of North American farmland with additional acreage being added all the time. A network consists of a number of fixed RTK base stations that independently broadcast RTK correction signals so the vehicle can obtain sub-inch accuracy. Contact the Case IH dealer in your area to find out if they provide a correctional signal.

T3™ TERRAIN COMPENSATION TECHNOLOGY

Improves accuracy when driving straight lines across sloping terrain



262 ANTENNA
The 262 Antenna mounts to the implement to provide 1" pass-to-pass and year-to-year accuracy to the NavController II mounted on the implement.



FM-1000™
Industry-first touch screen display with dual, integrated GPS + GLONASS receivers.

NAVCONTROLLER II
Plug-and-play the NavController II into most guidance-ready vehicles. The NavController II sends T3™ terrain compensated corrections and precise steering instructions to the vehicle by using guidance and GPS information from the FM-1000™ integrated display.

AUTOSENSE™ STEERING SENSOR
This unique steering sensor measures highly accurate wheel angle information on all terrain. With patent pending technology, the AutoSense™ steering sensor obtains information—without the use of moving parts or linkages—and continuously sends that information to the NavController II.

VEHICLE INTERFACE
The vehicle interface receives navigation commands from the NavController II, which control the vehicle's steering when engaged. The Autopilot™ system supports ISO 11783, fly-by-wire, factory auto guidance components or hydraulic control valves.

AFS® DESKTOP SOFTWARE

AFS® DESKTOP SOFTWARE

AFS ADVANCED FARMING SYSTEMS

CASE IH AGRICULTURE

Manage. Plan. Prescribe. Report. Analyze. Succeed.

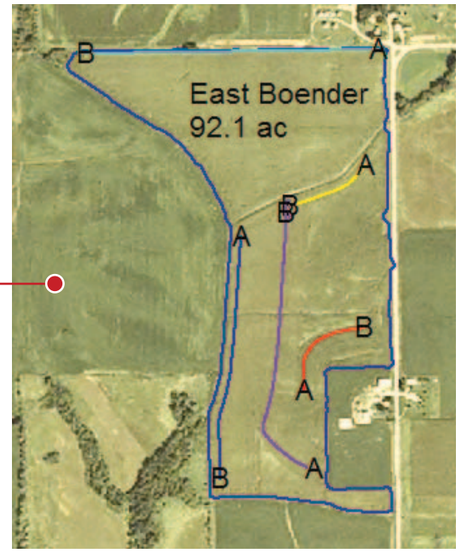
Manage your farming operation with the latest AFS® desktop software package from Case IH.

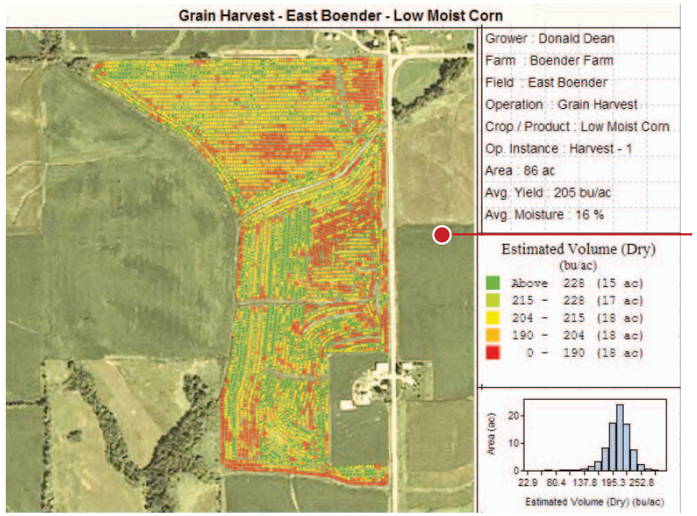
AFS® HARVEST AND APPLICATION CONTROL SYSTEMS SOFTWARE PROVIDES COMPLETE SUPPORT FOR ALL YOUR PRECISION FARMING NEEDS.

Generate yield maps, as-applied maps, prescription maps and more from a single, integrated software package. You can also create soil sampling maps, create and print reports, and import satellite imagery.

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

IMPORT/EXPORT
AFS® AccuGuide™ guidance patterns.



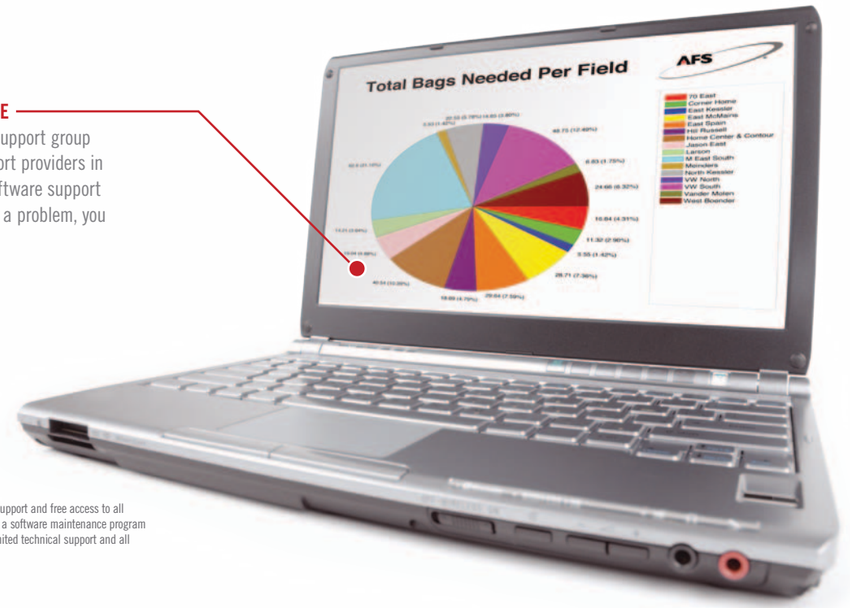


AFS® DESKTOP SOFTWARE PROVIDES NUMEROUS TOOLS AND POWERFUL FEATURES TO MEET YOUR PRECISION FARMING NEEDS.

The software is designed to provide a very visual and easy-to-use interface. Many critical tools walk you through step by step to make sure you get the results you expect.

PRINTOUT WITH SATELLITE IMAGE,
field summary and field map.

CASE IH AFS® DESKTOP SOFTWARE
is backed by a dedicated software support group in North America and regional support providers in international markets. Dedicated software support means when you have a question or a problem, you get quick and accurate answers.



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

AFS® Customer Support Center

1-888-Case-AFS®, Monday – Friday, 8 a.m. – 5 p.m. CST.

DISCOVER YOUR ROI WITH THE AFS® PRECISION PAYBACK ASSESSMENT

To discover your return on investment, use our AFS® Precision Payback Assessment Calculator – available on www.CaseIH.com.

It's quick. It's simple.
Use the online worksheet to input custom variables to see your savings per 1,000 acres with RTK, HP/XP and DGPS precision farming systems.

Calculate your savings today!
Visit www.CaseIH.com to get started.

RECEIVERS

RECEIVERS

AFS ADVANCED FARMING SYSTEMS

Our commitment.

Case IH's leading-edge receiver solutions are more than just receivers. They are a range of receivers, antennas and smart antennas that offer an accuracy and price point to suit any farming operation, budget and vehicle. Built to withstand harsh agricultural conditions, these GPS solutions combine with Case IH guidance systems to enable farmers worldwide to work more efficiently, reduce input costs and allow them to work in extreme conditions.

Your choice.

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

162 RECEIVER

All-weather, low-cost DGPS smart antenna for yield or field mapping and Autopilot™ compatible.

- SBAS (WAAS, EGNOS, MSAS) differential GPS receiver and antenna combined in a compact, robust, weatherproof housing
- Provides DGPS information to any precision agriculture equipment that accepts NMEA
- Simple, strong magnetic mounting and 5/8" thread option
- Simulated radar output

262 RECEIVER

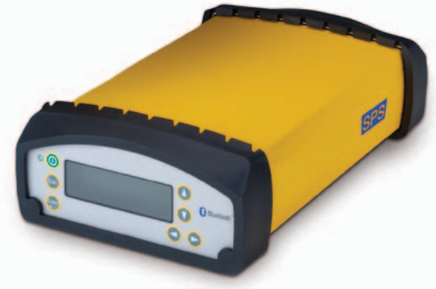
All in one, low-profile GPS/DGPS/RTK receiver and antenna.

- Low-profile, high-performance, dual-frequency GPS receiver and antenna
- Your choice of accuracy level depending on your operation, including RTK (with a base station) and OmniSTAR HP/XP
- OmniSTAR VBS or SBAS (WAAS, EGNOS, MSAS)
- Easy upgrade to a higher accuracy level
- Gives you repeatable year-to-year row crop operation

900 RADIO

Rugged, low-profile design suitable for all agriculture applications.

- Highly reliable even in the most demanding radio frequency environments
- Versatile, with a frequency range that can receive real-time data used by Case IH GPS receivers
- License free in North America, Canada, Australia and New Zealand

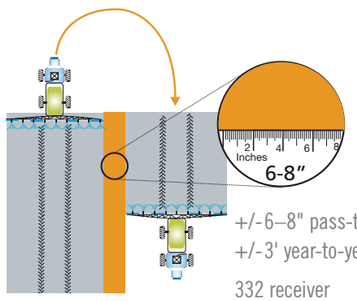


442 AND 432 GPS RECEIVERS

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

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

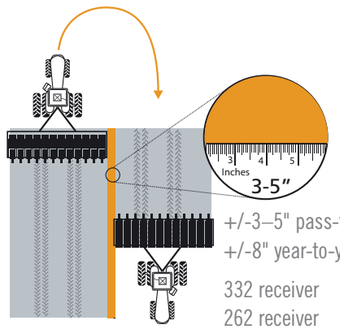
SBAS (WAAS, EGNOS, MSAS), OMNISTAR VBS



+/-6–8" pass-to-pass
+/-3' year-to-year repeatable

332 receiver
262 receiver

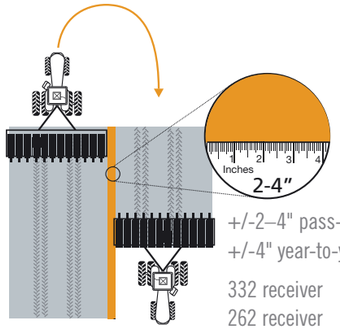
OMNISTAR XP



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

332 receiver
262 receiver

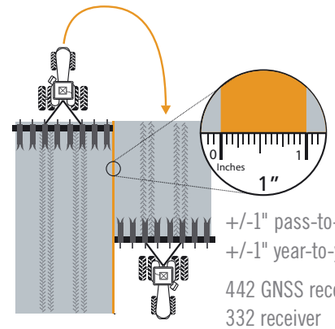
OMNISTAR HP



+/-2–4" pass-to-pass
+/-4" year-to-year repeatable

332 receiver
262 receiver

RTK



+/-1" pass-to-pass
+/-1" year-to-year repeatable

442 GNSS receiver
332 receiver
262 receiver

FIELD-IQ™ CROP INPUT CONTROL SYSTEM

AUTOMATIC SECTION CONTROL

AFS ADVANCED FARMING SYSTEMS

CASE IH AGRICULTURE

What Can the Field-IQ™ System Do For You?

The Field-IQ™ crop input control system is a section control and variable rate application control system that is simple to install and use. It prevents seed and fertilizer overlap and controls the rate of seed, liquid or granular materials. The Field-IQ™ system runs on the new FM-750™ and the FM-1000™ integrated displays.

CONTROL UP TO 48 ROWS

Reduce overlap with automated individual row control, use less seed and reduce seed costs. Compatible with FM-1000, FM-750, and EZ Guide© 500 displays.

Use with Tru Count air clutches which fit most styles of John Deere, Case IH and Kinze planters.

ELIMINATE OVERLAP IN WATERWAYS

Control up to 48 sections or nozzles and shut off sections in waterways and point rows to avoid over spraying. Compatible with the FM-1000 and FM-750 displays.

DIRECT CONNECT RATE CONTROL

Direct rate control options with PWM and Servo valves, ensuring an easy connection into your sprayer and eliminating the need for extra components.

SPRAYER SPECIFIC PLATFORMS

Platforms have been designed for "Plug & Play" integration into the existing spray and cab components making it easy to install.

FIELD-IQ CROP INPUT CONTROL SYSTEM COMPATIBILITY	FM-750™ DISPLAY	FM-1000™ DISPLAY
NUMBER OF CONTROLLED SECTIONS	up to 48	up to 48
SECTION CONTROL TYPE		
Tru Count Clutches	✓	✓
LiquiBlock Valves	✓	✓
Boom Valve	✓	✓
NUMBER OF CONTROL DRIVES	1	up to 6
CONTROL DRIVE TYPES		
Rawson	✓	✓
Servo	✓	✓
PWM	✓	✓
Linear Actuator		✓
Electric over Hydraulic		✓
NUMBER OF MATERIALS	1	up to 6
MATERIAL TYPES		
Seed	✓	✓
Granular Fertilizer	✓	✓
Liquid	✓	✓
Anhydrous	✓	✓
SEED MONITORING		
Singulation Analysis		✓
VARIABLE RATE APPLICATION		
Shapefile Prescription Map	✓	✓

Automatic Section Control

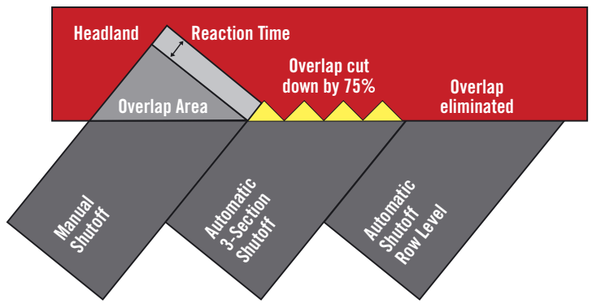
The automatic section control offered by AFS® shuts off rows or sections automatically, eliminating double applications and wasted inputs. Depending on the system you choose, it can manage seed, liquid and anhydrous, and features inch-level control from 24 to 48 sections for savings that can exceed 5%. It's the ideal upgrade for your guidance display and it can be further upgraded to variable rate for even greater savings.

SAVINGS POTENTIAL USING SECTION CONTROL	PLANTER / NH3 @ 5MPH			SPRAYER @ 15MPH		
	45 Ft.	60 Ft.	90 Ft.	60 Ft.	90 Ft.	120 Ft.
Rectangle with straight rows	0.7%	0.7%	0.7%	2.1%	2.1%	2.1%
Rectangle with angled rows	2.5%	3%	4.2%	4.5%	5.6%	6.8%
Parallelogram / Trapezium	1.6%	1.9%	2.5%	3.3%	3.9%	4.5%
Angled with waterway	4.2%	5.4%	7.7%	6.8%	9.1%	11.5%
Pivot	3.9%	4.9%	7.0%	6.3%	8.4%	10.5%
Odd shaped / Contours	8.8%	11.5%	16.9%	13%	18%	24%

With Section Control

Without Section Control

Be more **profitable** with TruCount Row and Liquiblock™ shutoffs.



Remember, it's not what it costs. It's all about your **return on investment.**

SPREADING

ANHYDROUS

AFS ADVANCED FARMING SYSTEMS

Accurate monitoring and control for spreading applications.

In combination with the FM-750™ and the FM-1000™ integrated displays, the spreader functionality allows for accurate granular application by providing:

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

GROUND SPEED SENSOR
Ground speed sensor provides accurate vehicle speed information for precise product control. GPS, Radar and Manual modes provide the ultimate in flexibility in selecting a ground speed source that fits the user's preference. A backup mode ensures the user will always have a speed source for system control.

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

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

SPREADER APPLICATION MODULE
Monitors and controls all sensors in the system. Main module supports all sensors required to accurately control the spreader application.

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

Accurate monitoring and control for anhydrous applications.

In combination with the FM-750™ and the FM-1000™ integrated displays, the anhydrous functionality allows for accurate anhydrous ammonia (NH3) application by providing:

- Monitoring and control for up to two products
- Implement switch input for ON/OFF control based on implement position
- The choice of speed input (GPS, Radar or the ability to enter Manual Speed)
- Advanced mapping with the ability to track NH3 activities and log attributes
- Variable Rate Technology (VRT) capabilities

GROUND SPEED SENSOR
Ground speed sensor provides accurate vehicle speed information for precise product control. GPS, Radar, and Manual modes provide the ultimate in flexibility in selecting a ground speed source that fits the user's preference.

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

PRODUCT CONTROL
Anhydrous ammonia (NH3) control via servo valves.

ANHYDROUS APPLICATION MODULE
Monitors and controls all sensors in the system.

PRODUCT MONITORING
Anhydrous ammonia (NH3) flow meter is designed specifically for accurate anhydrous flow.

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

PLANTING

Accurate monitoring and control for planter applications.

In combination with the FM-750™ and the FM-1000™ integrated displays, the planter functionality allows for seed, liquid and granular application by providing:

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

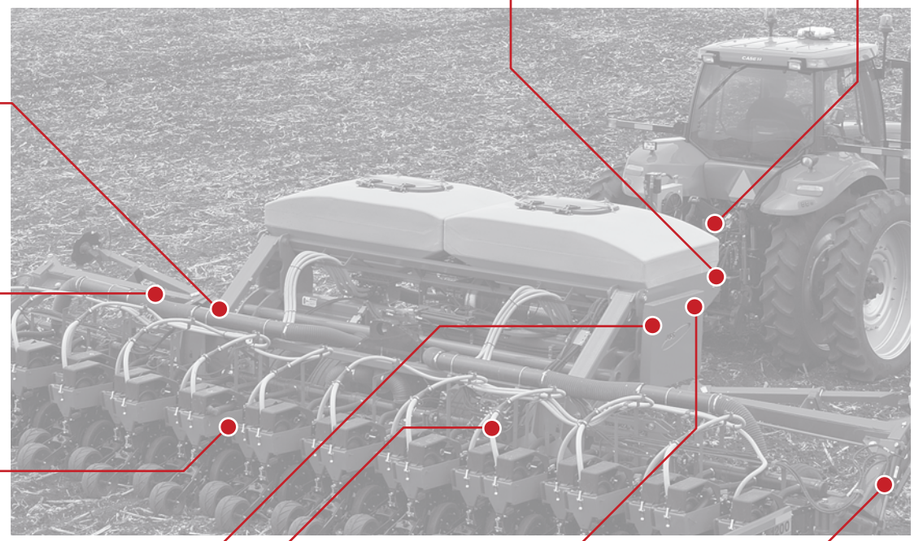
GROUND SPEED SENSOR
Ground speed sensor provides accurate vehicle speed information for precise product control.

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

HOPPER LEVEL SENSOR
Hopper level sensor provides real-time feedback on hopper level status in planter applications.

PLANTER APPLICATION MODULE
Monitors and controls all sensors in the system.

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



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

SEED SENSOR
Blockage or high rate population style seed sensor provides seed population or blockage information to the system.

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

TRU COUNT CLUTCH CONTROL
Automatically controls planter rows ON/OFF for precise seed placement.

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

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

AIR SEEDING

Accurate monitoring and control for air seeding applications.

In combination with the FM-750™ and the FM-1000™ integrated displays, the air seeding functionality allows for seed, liquid, granular and anhydrous ammonia (NH3) application by providing:

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

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

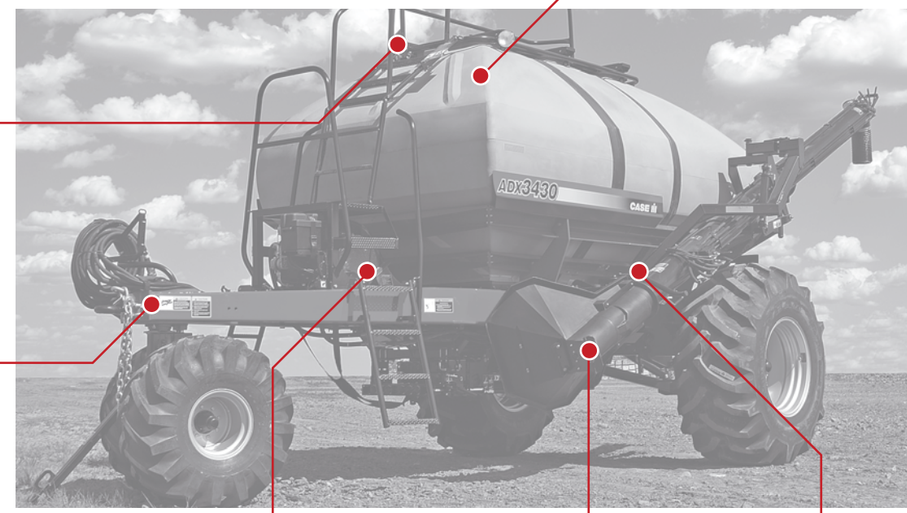
PRODUCT MONITORING
Liquid flow meter ensures accurate feedback to the liquid control channel for optimal control accuracy.

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

SEED SENSOR
The seed sensor provides seed flow or blockage information to the system.

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

AIR SEEDER APPLICATION MODULE
Monitors and controls all sensors in the system.



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

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

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

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

AIR DRILLING

Accurate monitoring and control for drill applications.

In combination with the FM-750™ and the FM-1000™ integrated displays, the drill functionality allows for seeding, liquid and granular application by providing:

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

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

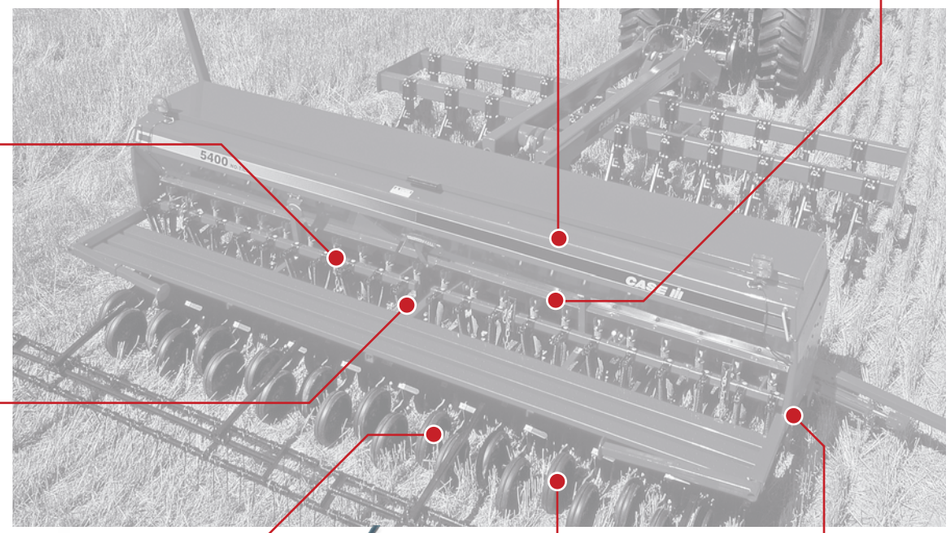
PRODUCT MONITORING
Liquid flow meter ensures accurate feedback to the liquid control channel for optimal control accuracy.

HOPPER LEVEL SENSOR
Hopper level sensor provides real-time feedback on hopper level status in drill applications.

DRILL APPLICATION MODULE
Monitors and controls all sensors in the system.

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

SEED SENSOR
Blockage or high rate population style seed sensor provides seed population or blockage information to the system.



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

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

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

SPRAYING

Accurate monitoring and control for sprayer applications.

In combination with the FM-750™ and the FM-1000™ integrated displays, the sprayer functionality allows for accurate liquid application by providing:

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

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

GROUND SPEED SENSOR
Ground speed sensor provides accurate vehicle speed information for precise product control. GPS, Radar and Manual modes provide the ultimate in flexibility in selecting a ground speed source that fits the user's preference. A backup mode ensures the user will always have a speed source for system control.

SPRAYER APPLICATION MODULE
Monitors and controls all sensors in the system.

PRODUCT CONTROL
Liquid control via pulse width modulated hydraulic valves and/or servo valves.

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

PRESSURE MONITORING
Reads liquid pressure for real-time pressure monitoring.

NOTES

NOTES

AFS®
ADVANCED FARMING SYSTEMS

Repeatable Precision. Unbeatable Support.

CASE IH AGRICULTURE

AFS® is offered exclusively by Case IH.

PM-15267