Ag Leader®

PLANT. APPLY. MANAGE. HARVEST. PLAN.

2015 PRODUCTS AND SERVICES

![Ag Leader logo]

ARE YOU AN AG LEADER?

Ag Leader helped pioneer the precision farming industry with the Yield Monitor 2000, the first widely adopted and successful piece of precision farming equipment. In the time since the arrival of the yield monitor, the industry has seen rapid advances. And, as we move into the middle of the 2010s, Ag Leader is still renowned for its line of cutting-edge products that help growers achieve at a higher level year-round.

But don't just take my word for it. Reach out to folks in the ag community whose opinions you value and ask about Ag Leader. I'm confident you'll hear some very positive things about our company.

In asking around, you might hear how Ag Leader is an independent company. We aren't tied to a major farm equipment or seed corporation. This independent spirit allows us to build inclusive products that work with any color of equipment.

And you're sure to hear stories relating Ag Leader's commitment to providing industry-best support for all of our products. Our Technical Support Team is comprised of precision farming experts who are dedicated to giving you responsive, knowledgeable and friendly technical support.

Being an Ag Leader means you're dedicated to increasing yields and maximizing profits through increased efficiency in every aspect of your operation. It means you're integrating precision farming solutions the whole year round – from planting to harvest.

Are you an Ag Leader? If so, read on to see what's next in precision agriculture.

Al Myers
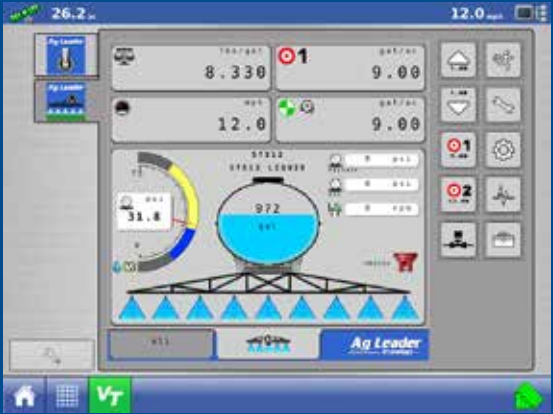**President, Ag Leader Technology**

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SMARTER FARMING STARTS IN THE CAB

The in-cab display is the foundation of your precision operation. And, because every farm and every farmer is unique, Ag Leader's line of precision farming displays gives you the flexibility to choose the right hardware to suit your needs.

Why Ag Leader Displays?

1 Compatible with any color equipment

2 Intuitive, easy-to-use touchscreens

3 Year-round capabilities

4 Increased efficiency and input control

5 Collect and share valuable field data

The Value of Data

8 of 10 precision ag users report higher profitability*.

*2012 Technology in Ag Study

THE AG LEADER FAMILY OF DISPLAYS

Ag Leader® Integra

Versa™

Compass™

Better management decisions start with better field data.

- Ag Leader displays work seamlessly with SMS™ Software.

- Simplify setup by exporting grower, farm, field and boundary data as well as guidance lines and prescriptions between SMS Software and the Ag Leader display.

- Use data collected from your display to create reports for insurance and trusted advisors, landlords and your own profitable decision making.

- With AgFiniti® cloud-based platform, you can share and store data wirelessly from your display.

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Ag Leader® Integra

Cutting-edge precision farming technology.

This full-color, 12.1-inch, high-definition touchscreen display is designed for easy viewing and interaction with all of your field activities, from planting through harvest. Manage your precision farming operation efficiently from your cab with the easy-to-use interface and responsive touchscreen.

And, no matter the color of your equipment, you'll get an unrivaled level of control over your precision operation with the Ag Leader Integra display.

When you want the best user experience on the market, there's no match to what the Ag Leader Integra display can bring to your farm. From integrated guidance to control of your planter and application operations, the Ag Leader Integra display is your powerful, year-round precision farming tool.

- Control and record all basic and advanced planting activities, including variable rate, down force, seed monitoring and automatic section shutoffs.
- Log application data and manage spreading, spraying, direct injection, and crop sensing activities, including multiple product control.
- Integrated guidance and automated steering functionality with OnTrac3™ assisted steering and SteerCommand™ automated steering.
- Track varieties and view yield results and moisture readings for real-time yield performance monitoring.
- Capacity for up to four external camera feeds.
- AutoSwath™ for automatic section control.
- ISOBUS capabilities including Task Controller and Virtual Terminal.
- Smart Report™ application report creation and AgFiniti® wireless file transfer.
- View field boundaries, obstacles and markers in real time.

Versa™

Flexible performance in a compact package.

This 8.4-inch touchscreen display represents the ideal platform for any grower looking for a single display to handle the most common planting, application and harvest operations. Built on the industry-leading technology of the Ag Leader® Integra display, Versa can also manage field data collection and implement control duties, making it a great addition to your operation as a secondary display.

- Control and record all basic planting activities, including variable rate, automatic section shutoffs.
- Log data and manage variable rate application of fertilizer and seed.
- Integrated guidance and automated steering functionality.
- Capacity for up to four external camera feeds.
- View and log yield results and moisture readings on-the-go.
- ISOBUS capabilities including Task Controller and Virtual Terminal.
- View field boundaries, obstacles and markers in real time.

Compass™

Guidance and steering. Plain and simple.

The 7-inch touchscreen Compass is an entry-level display for guidance, automated steering and Virtual Terminal functionality. With its user-friendly interface, Compass is designed for easy setup and operation, allowing you to simply create a new event and get to work.

- Simple setup and operation with event-based management.
- Ideal for basic guidance and steering, and can be combined with OnTrac3™ assisted steering or SteerCommand™ automated steering for advanced guidance functions.
- Space-saving design and built-in lightbar minimize cab clutter.
- Fullscreen coverage mapping.
- Support for the most common and advanced guidance patterns, including SmartPath™.
- Virtual Terminal capability.

DISPLAY FEATURE COMPARISON

MODEL	Ag Leader® Integra	Versa™	Compass™
DISPLAY FEATURES			
Display Size	12.1"	8.4"	7"
Touchscreen	✔	✔	✔
Traditional Grower/Farm/Field Management	✔	✔	✔
Event-Based Management	✔	✔	✔
Coverage Mapping	✔	✔	✔
Data Logging	✔	✔	✔
AutoSwath™	✔	✔	
Headlands	✔	✔	✔
Multiple Product Control	✔	✔	
Camera Support	4	4	
Wi-Fi Adapter	✔	✔	
Wireless Data Transfer	✔	✔	
Remote Display Viewing	✔	✔	
GUIDANCE & STEERING			
Lightbar Guidance	✔	✔	✔
Mechanical Assisted Steering	✔	✔	✔
Hydraulic Automated Steering	✔	✔	✔
Correction Sources			
GLIDE	✔	✔	✔
SBAS (WAAS/EGNOS)	✔	✔	✔
TerraStar	✔	✔	✔
RTK	✔	✔	✔
SmartPath	✔	✔	✔
Tramlines	✔	✔	✔
PLANTING/SEEDING			
Hybrid/Variety Logging	✔	✔	
Variable Rate Planting	✔	✔	
Planter Section Control	36 sections	36 sections	
Split-Planter Logging	✔	✔	
Planter Population Monitoring	✔		
Advanced Seed Monitoring	✔		
Hydraulic Down Force Control	✔		

MODEL	Ag Leader® Integra	Versa™	Compass™
APPLICATION CONTROL			
Liquid Product Application Control	10 sections	10 sections	
ISOBUS Liquid Control Module	24 sections	24 sections	
Variable Rate Application	✔	✔	
Chemical Injection	✔	✔	
Boom Height Control	✔	✔	
External Switchbox	✔	✔	
OEM Switch Input Support	✔	✔	
Automatic Smart Report Generation	✔		
Wireless Smart Report Transfer	✔		
AutoSwath based on Previously Applied Maps	✔	✔	
Container Sequencing	✔		
Advanced Summary Screen	✔	✔	
Product Mix Templates	✔	✔	
Dry Product Application Control	✔	✔	
Closed Loop Spinner Speed Control	✔	✔	
Strip-Till	✔	✔	
Air Seeder Support	✔	✔	
OptRx® Crop Sensors	✔		
Multiple Product Application (Liquid or Granular)	up to 8	up to 3	
Smart Report	✔		
YIELD MONITORING			
Grain Harvest	✔	✔	
Harvest Variety Tracking	✔		
Load Variety Maps	✔		
WATER MANAGEMENT			
Survey Collection	✔	✔	
Intellislope® Plow Control	✔		
Topography Mapping	✔	✔	✔
ISOBUS			
Virtual Terminal Support	✔	✔	✔
Multiple Product Task Controller Support	✔	✔	
Liquid Application	✔	✔	
Granular Spreader	✔	✔	
Air Seeder	✔	✔	
Row Crop Planter	✔	✔	

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OPTIMIZE PRODUCTIVITY

Stretch working hours, improve steering accuracy and view the field ahead, even in darkness, with integrated display guidance. All Ag Leader displays feature an advanced, integrated guidance system capable of multiple patterns. Combine Ag Leader displays with OnTrac3™ assisted steering and SteerCommand™ automated steering for high-end guidance and steering systems.

SmartPath™ Pattern
Drive one pass through the field to establish a custom guidance pattern based on your initial pass.

Center Pivot

A-B Pattern

SmartPath Pattern

Adaptive Curve

Identical Curve

A+ Pattern

Perspective View

Perspective view gives you a view of your field to the horizon – even if it's too dark to see the field.

Pattern Management

Save, load, reset, pause, resume, nudge and shift patterns from the in-cab display.

Import/Export Patterns

Easily load saved patterns to the display or to your precision farming software so you can easily match your path for later field operations.

Integrated Lightbar

Onscreen lightbar also includes cross-track error and pass number.
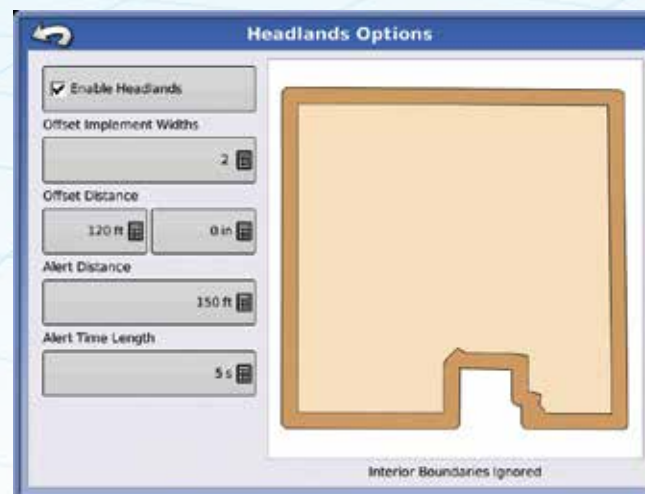
Headlands

Offset a Headland from existing boundaries to provide a visual reference and perform AutoSwath™ control.

L160 Lightbar

The L160 CAN bus Lightbar features an easy-to-read display and configurable LED spacing. A companion guidance system to either the Ag Leader® Integra or Versa™ displays, the compact design makes it the ideal guidance tool for dash or windshield mounting. Choose between "chase" or "pull" LED modes. Adjustable brightness is ideal for daylight or night use. Displays cross-track error, pass number and degree heading.

By mounting the L160 Lightbar on the windshield or dash, operators can monitor guidance by looking straight ahead while keeping their display easy to reach.

UNRIVALED GNSS TECHNOLOGY

Ag Leader offers a full range of GPS options for steering, field prep, variable rate, guidance, mapping and more. The GPS 6000 and GPS 6500 systems, as well as the GPS 6500 base station, provide accuracy, repeatability, range and simplicity.

GPS 6500 and 6000

- Differential corrections include RTK, TerraStar-D and WAAS/EGNOS.
- GLONASS standard.
- Outputs simulated radar speed.
- Up to 20 Hz (6500) or 10 Hz (6000) output.
- GLIDE offers improved accuracy without subscription-based differential correction.
- Increased signal uptime provided by standard StableLoc™ technology.
- LED diagnostics for at-a-glance system monitoring.
- Integrated magnets and included mounting plate with locating pins provide repeatable mounting.
- Sealed, compact, rugged design.

GPS 6500 with Relay

The Relay is the communication link delivering RTK correction. The Relay mounts with the GPS 6500 unit for an integrated, easy-to-install and move system. 900/400 MHz radio and CDMA/GSM cellular options are available.

GPS 6500 RTK Base Station

Get sub-inch accuracy for tiling and other precision farming operations. The GPS 6500 is a dual-frequency RTK base station for use with the field-proven GPS 6500 smart antenna with Relay. Intended for highly accurate tile installation and pass-to-pass repeatability, the system can access multiple GNSS signals, including GLONASS. Wi-Fi capability allows for easy web browser setup from any smartphone or tablet.

Applications	GPS 6000	GPS 6500
Guidance	■	■
Tillage	■	■
Harvesting	■	■
Field Preparation	■	■
Mapping (Point, Line, Area)	■	■
Variable Rate Controllers	■	■
Spreading	■	■
Spraying	■	■
Seeding	■	■
Log Hybrid/Variety	■	■
Strip-Tilling		■
Intellislope (Tile Plow)		■
Integrated/Hydraulic Steering		■
Assisted Steering	■	■
GPS Differential Correction		
GLIDE	■	■
WAAS/EGNOS	■	■
TerraStar		■
RTK		■

The Value of Data

Data from your field is an invaluable resource to help you make better management decisions.

- Generate A-B guidance lines.
- Archive guidance lines from the field for future use.
- Import/export guidance lines to and from multiple brands of guidance systems.
- Load multiple patterns and cycle among them easily with a single button press using pattern groups.

GPS Differential Correction

RTK
<1"

TerraStar - D
3"-5"

WAAS/EGNOS
6"-8"

LEADING STEERING PERFORMANCE

Pair your Ag Leader display with our first-class steering systems to reduce operator fatigue and extend working hours with OnTrac3™ assisted steering and SteerCommand™ automated steering systems.

- Auto-calibration provides simple vehicle tuning and calibration.
- Support for advanced guidance patterns, including SmartPath™ (see page 10 for guidance patterns supported).
- Nine-Axis Terrain Compensation accommodates for rolling ground and driving through waterways, ditches and over terraces.
- Internal compass helps maintain steady heading.
- LED diagnostic lights offer at-a-glance system monitoring.
- Easily engage/disengage from in-cab display or optional foot switch.

OnTrac3™ Assisted Steering

OnTrac3 improves pass-to-pass accuracy the economical way with simplified steering for any modern tractor, combine, application rig or other vehicle – without hooking into hydraulics.

Quick and Easy
Easily transfer OnTrac3 between vehicles with the simple "Lock-n'-Roll" installation process.

More Power, Less Noise
Increased torque for faster steering is gained through the clutchless, brushless Mechanical Drive Unit, which also offers quiet operation.

No Friction
The gear driven motor eliminates slippage associated with friction-design steering systems.

SteerCommand™ Automated Steering

The new SteerCommand automated steering controller offers leading precision steering performance when paired with GPS 6500.

High Accuracy
Access CORS and other RTK networks for repeatable sub-inch accuracy with GPS 6500 combined with Relay 900 MHz, 400 MHz, CDMA or GSM.

Compatibility
Get maximum compatibility with custom installation kits offered for over 600 different vehicles.

Leading GNSS Solutions
GPS 6500 with SteerCommand supports GLIDE, WAAS/EGNOS, TerraStar-D and RTK.

StableLoc™

Intended Path

RTK Lost   RTK Back   Return to RTK Position

If RTK signal is lost, StableLoc™ transitions correction sources until RTK signal is regained.

StableLoc™
StableLoc maintains accurate steering – even when your correction signal is temporarily lost – by seamlessly transitioning to the next available signal source. When the signal is restored, the system will then transition back to the higher accuracy source, eliminating position jumps.

MAKE THE MOST OUT OF EVERY SEED YOU PLANT

Each planting season you get just one chance to get it just right. Making sure your planter is performing optimally and each seed is being placed in the right environment for growth is critical and can pay big dividends. With SeedCommand, you can take charge with all the information and control at your fingertips.

- Eliminate overplanting for lower seed costs and improved yields with AutoSwath™.
- Lengthen planting windows by planting at night with full automation.
- Reduce skips and doubles – especially with variable seed shapes and sizes.
- Gain insight by mapping and logging seed varieties, planting rates, planting dates and other items recorded during planting or seeding.
- Maximize yield through variable rate planting.
- Experience uniform germination, emergence and plant stand with Hydraulic Down Force.
- Automate row and section shutoff functions with SureStop® electric clutches for chain-drive meters and SureVac™ electric row shutoff.

The Value of Data

The Result:
Proper seed depth can impact yield by as much as 40%*.

*Independent Seed Company Studies.

MONITOR AND CONTROL YOUR ENTIRE PLANTING OPERATION
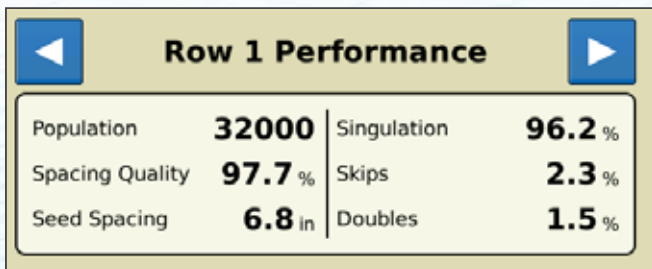
Planter Performance
Complete planter monitoring functions eliminate the need for a secondary planter monitor.

Seed Placement
View seed placement position in the trench as well as singulation quality for each row simultaneously.

Seeding Rate
Control variable rate seeding based on prescription maps.

Maps and Recordkeeping
Record and map the location of hybrids/varieties in real time.
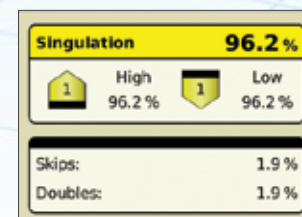
Singulation
Track singulation for skips/doubles and spacing on a row-by-row basis.

Hydraulic Down Force System

Up to 8 sections of control and multiple configurations available.

Controlling a planter's down force is a proven way to improve consistent emergence and promote healthy root development across the field. Ag Leader's Hydraulic Down Force System drastically improves on air bag systems, providing instant response and adjustment according to changing soil and field conditions.

Down Force Monitoring
Monitoring down force allows the operator to see the variation in down force requirements as soil and planting conditions change.

Row-by-Row Sensing
Row by row sensing monitors the down pressure needs of each row to allow for consistent planting depths across various topography and soil conditions.

Stress-minimizing Accumulator
Accumulator acts as a cushion to minimize row unit stress and bounce cause by in-field obstacles like rocks.

Works with VT Capable Display
ISOBUS module lets you choose 1–4 sensors per channel and provides functionality with any Virtual Terminal capable display.

WHAT DO YOU GAIN FROM MANAGING PLANTER DOWN FORCE?
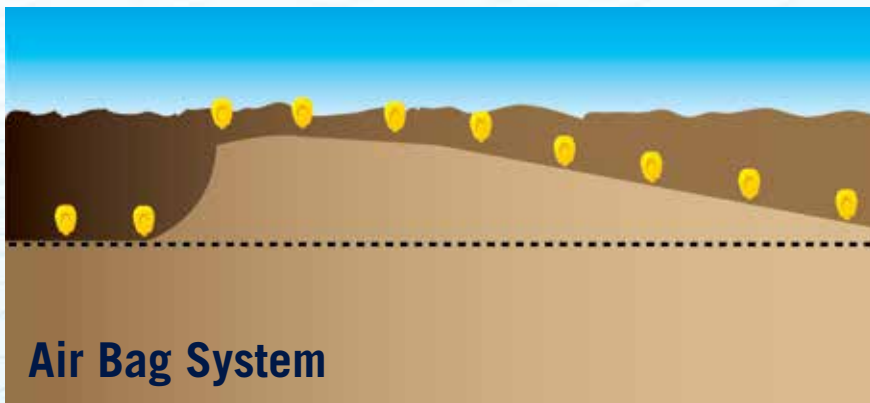
Air Bag System

Up to 20-Second Response

Planters running an airbag system could take up to 20 seconds to inflate enough to create the proper down force, resulting in inconsistent planting depth.

Hydraulic Down Force System

Instantaneous response

Planters with Hydraulic Down Force respond to soil variations in one second, resulting in more uniform planting depth, consistent emergence and increased root development.

11+
BUSHEL/ACRE*

The response difference? A quarter acre using a 24-row planter.

$↑ROI
How HDF Pays

Population Emerged	X Yield Increase	X Price of Corn	= Profit	ROI of 16 Row Planter
32,500 + 1500 gain = 34,000	11 bu/ac	$3.00	$33/acre	460 ACRES

*Independent Seed Company Studies.

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MAXIMIZE EVERY DROP. EVERY GRANULE. EVERY PLANT.

DirectCommand™ has simply revolutionized application. The unique AutoSwath™ feature decreases overapplication – reducing input costs and improving environmental stewardship while increasing your productivity.

- Automatically turns sections on/off based on field boundaries, already-applied areas and user-defined headlands – reducing overlap, spray drift and gaps.
- Controls application rates automatically based on prescription maps or manually entered target rate.
- Enables variable rate application of single or multiple products.
- Records application activities, including applied areas, product volume and more.
- Reads up to three optional pressure sensors, eliminating need to monitor pressure gauges outside the cab.

$ ROI

The Result:
7% average input savings from AutoSwath results in 2 year ROI*.

*University Study

NEW & EASY
Way to Manage Product Mixes

1 Create collections of products that are typically used for specific purposes throughout the year and store them in the display (e.g., pre-emergence corn, post-emergence beans).

2 To setup and track a particular mix, simply check or uncheck boxes to activate products.

3 Built-in calculator identifies how much of each ingredient is needed to achieve the user's desired tank volume.
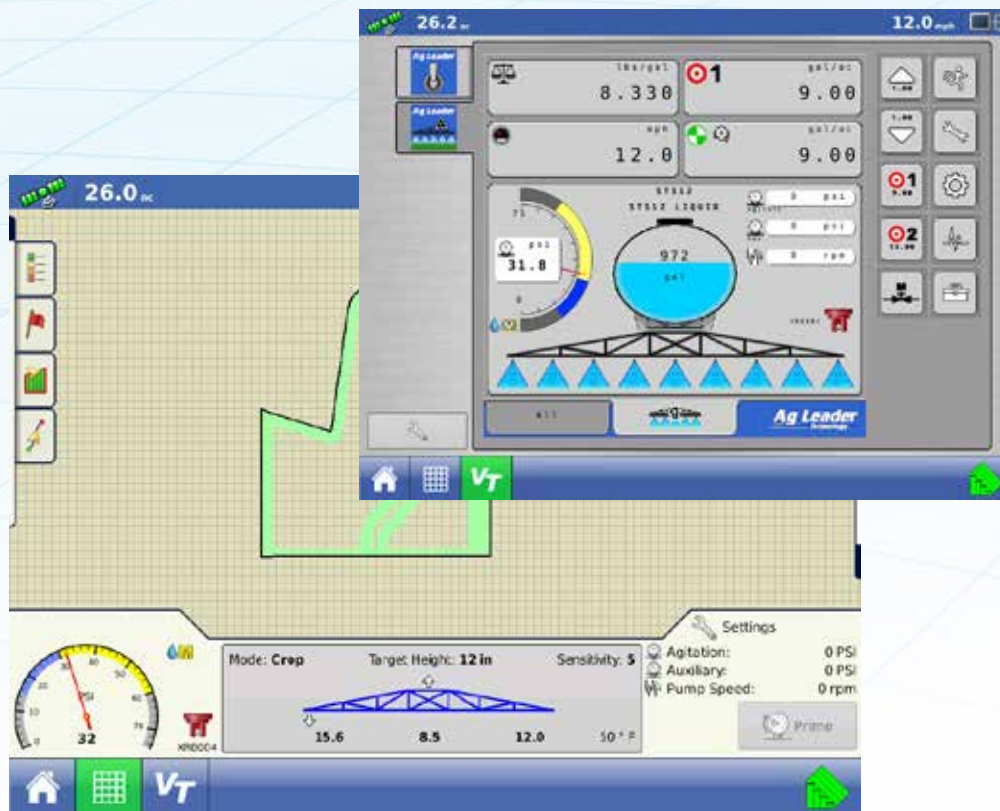
NEW
ISOBUS Liquid Control Module

Compatible with ISOBUS standards for Virtual Terminal and Task Control. This functionality allows using the system with other brands of Virtual Terminal and Task Control compatible displays.

- Easy to use structured methods to calibrate the flow, pressure and ground speed sensors that are critical to accurate system performance.

- Continuously monitors the relationship between product flow rates and system pressure. This permits early detection and warning in event of a sensor failing or drifting off previously calibrated baselines.

- Settings to automate boom prime and maintain a standby pressure to ensure accurate product flow rates without lag in performance after initial machine fill and every time boom is cycled on/off/on turning around at field headlands.

- Supports up to 24 boom sections for less overlap of product application.

DirectCommand™

Spinner Spreader Control

- Simultaneous application of up to five granular products.
- Closed loop spinner speed control.
- Support for prescription map variable rate application.
- Easily create and edit product blends for accurate data logging of field applications.

Strip-Till Fertilizer Control

- Control up to three granular products via Ag Leader's Granular Strip-Till module.
- Simultaneously control anhydrous and nitrogen stabilizer with the addition of Liquid and Chemical Injection control modules.
- Apply fertilizer only where it's needed with prescription map variable rate application.
- Data logging of both granular and liquid applications.

NEW Container Sequencing

Container Sequencing for the Ag Leader® Integra display allows application of the same product (discrete products or blends) sequentially from multiple containers.

- When product container is low or empty, system automatically advances product application to the next designated container in the sequence.
- Supported on spinner spreader configurations.
- User is alerted when system advances product application to the next container.
- Intuitive setup allows container sequencing to be added to existing configurations.
- Sequence can easily be edited to fit application needs without having to create a new configuration.
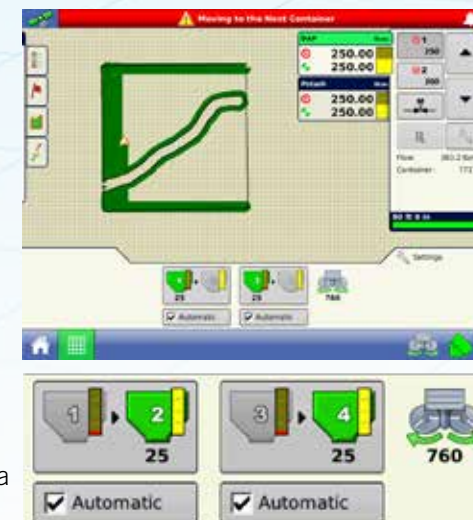
DOCUMENTATION SIMPLIFIED

Simplify application reporting (both liquid and granular) with an easy way to generate detailed Smart Reports™ for government recordkeeping.

Smart Report™

- Reports provide location, product information, applied totals, field areas, as-applied maps and field boundaries.

- Enter basic information about weather, soil conditions, products used, etc.

- Automatically generate PDF reports that can be saved, emailed or printed.

- Auto-generation of reports each time you finish a field.

- Requires no additional software.

NEW
Easily export all Smart Reports to AgFiniti®.

NEW
Track by Operator, Machine or Date

- Filter application data by field, event, configuration, operator or date.

- See breakout by total acres that each operator has logged.

- View application for a specific date range.

- Batch Smart Reports by day, week, month or entire season for easy recordkeeping.

OptRx®

YOUR CROPS ARE TALKING. ARE YOU LISTENING?

Nitrogen needs can fluctuate substantially within a field. Using light reflectance, OptRx looks directly to the plant for critical information. By accurately measuring the health of the crop, you can apply nitrogen right where it's needed.

Implementing sensor technology into your nitrogen management program provides a proven method of achieving gains in profitability across all side-dressed and top-dressed acres – season after season – allowing you to easily and effectively capture lost yield by responding to field variability in real time.

- Capitalize on the variability that exists due to changing weather and soil conditions.
- Invest more nitrogen in regions that will respond favorably and apply less in regions that are nitrogen-rich.
- Achieve higher yields by responding to plant stress undetected by the human eye.
- Generate and implement a variable rate nitrogen prescription that adapts to ever year's unique conditions, without paying a per-acre fee.
- Compensate for variability of in-field nitrogen caused by fluctuating concentrations of nitrogen in manure, as well as limitations associated with manure spreading equipment.
- See the potential of as much as a 10 bu/acre benefit by fine-tuning your nitrogen program.

STOP GUESSING. START MEASURING.

OptRx changes the nitrogen game from an educated guess to a sophisticated strategy based on measured plant needs, the user's preference and their existing nitrogen program. In the map below, red and yellow coloring indicates nitrogen deficient areas. OptRx then works with DirectCommand™ to control variable rate application, ensuring the correct balance of nitrogen is distributed appropriately throughout the field. Additionally, you can use OptRx to apply any chemical on any crop by creating your own prescriptions using the rate table.
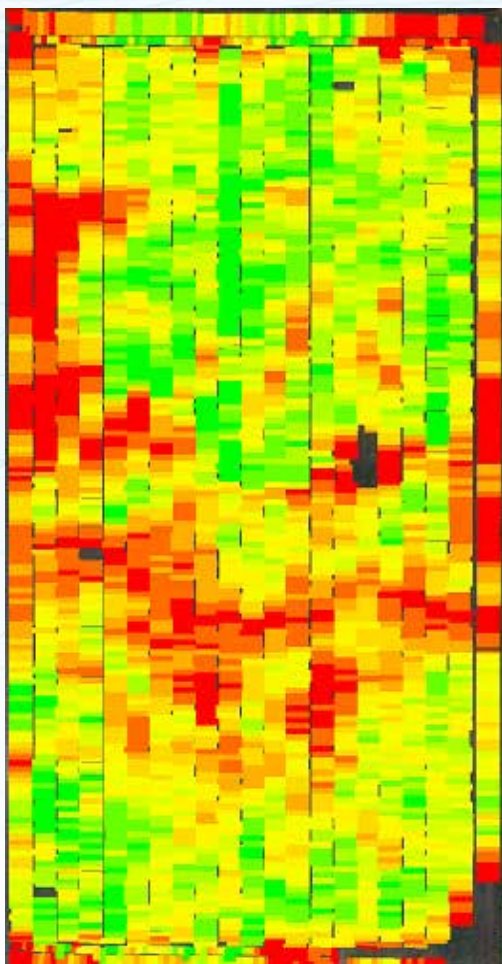
How OptRx Pays:

Earn an additional $10-15*
profit/acre using OptRx.

ROI on 3 sensor
system = 1050 acres

OptRx Profit Calculator
at agleader.com.

*University and OEM Trials
Based on $3.00/bu corn.

www.agleader.com

THE INDUSTRY STANDARD

The original is still the most trusted. That's why Ag Leader's system is the most widely used grain yield monitoring technology in the world. Create and view yield and moisture maps in real-time while harvesting and instantly observe how field conditions affect yield. With the variety of information collected, you'll be able to use each harvest season's data to improve your yield results year after year.

Additionally, the moisture readings collected as crops are harvested give you the ability to plan and manage grain storage options while still in the cab.

- View yield and moisture maps in real-time for instant feedback on performance.
- Overlay planting maps with real-time harvest maps to view instant variations by hybrid/variety in the field.
- AutoSwath™ for harvest provides accurate data when harvesting point rows and partial swaths.
- At-a-glance information provided by harvest summary screen shows number of acres harvested, total and average bushels and more.
- Decide how to store your grain based on moisture readings in the field.
- Improve seed selections based on yield data over multiple years.
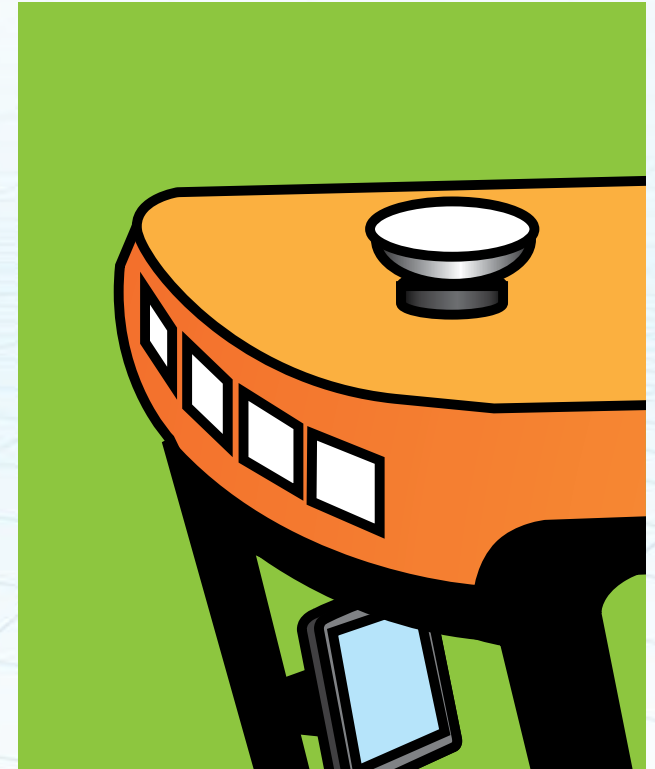
HOW IT WORKS:
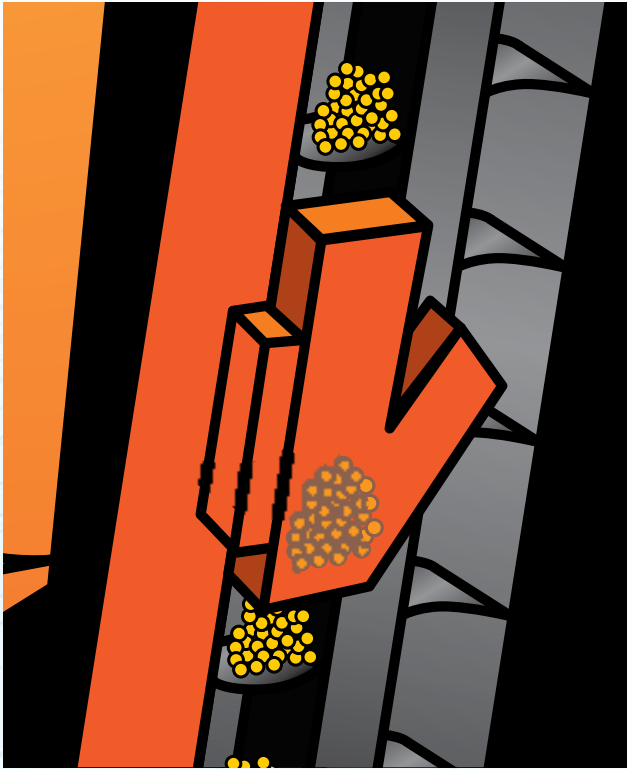
Grain is fed into the harvester's elevator where sensors read the moisture content of the grain.

As the grain is delivered to the holding tank, the mass flow sensor monitors yield.

Information on both yield and moisture from the sensors is recorded by the Ag Leader® Integra or Versa™ display mounted in the cab.

The Value of Data

The Result:

Data is key to increasing profitability through management decisions that lead to increases in yield.

Just a 5% increase in yield could mean $30+/acre profit*.

* Based on 180 bu/ac avg yield at $3.00/bu

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Intellislope®

DO-IT-YOURSELF TILE INSTALLATION

Water management is a critical component to maximizing yields and productivity. The decision to install an adequate drainage system will provide the largest and fastest return on investment in your operation. Intellislope makes it possible for practically any farmer to install their own tile using their own equipment, while achieving professional results.

The one-time investment in drainage tile can benefit the farmer for years to come in a variety of ways.

- Increase all field-activity windows from pre-plant land preparation to post-harvest operations.
- Reduce soil compaction by removing gravitational water faster.
- Minimize the loss of nitrogen as a result of denitrification due to poor drainage.
- Enhance healthy root development in early wet seasons to better sustain the crop in dry seasons.
- Promote rapid soil warming for earlier planting windows and better crop development.
- Improve land value and overall productivity.

Promote Root Development
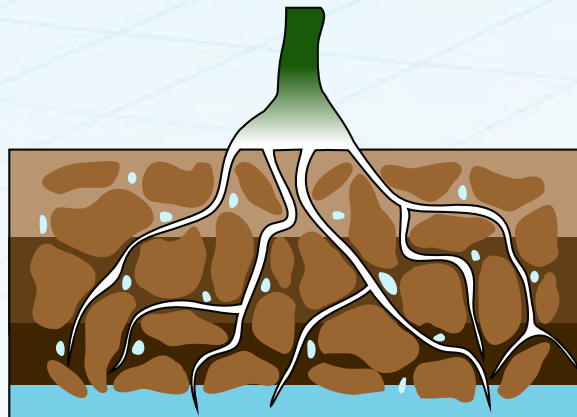
Well-drained soils encourage deeper root development and healthier crops.
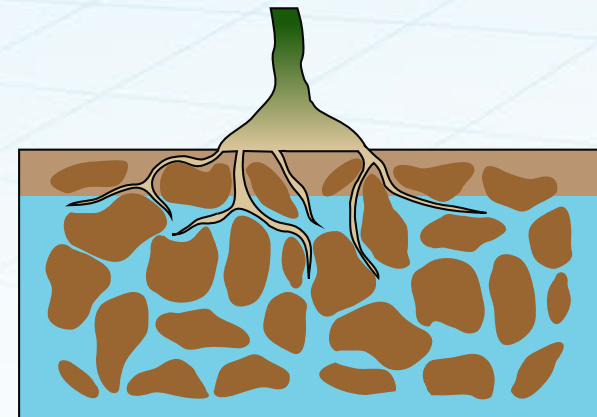
Saturated soils lead to shallow root growth and poor plant development.

INSTALLING TILE IS EASY AS 1, 2, 3.

The Intellislope® tile plow control system makes installing tile easy, eliminating the need for complicated laser surveying equipment. If you can drive a tractor, you can install drainage tile with Intellislope.
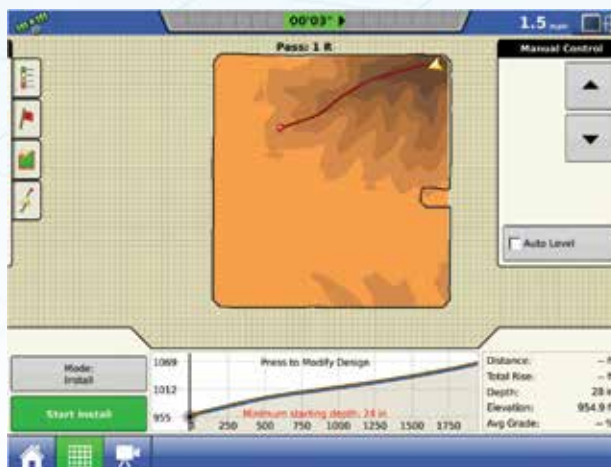
1 SURVEY

Can be done ahead of time with an ATV, or at the time of installation with the tile plow utilizing RTK GPS (see page 13 for more information). Collect surveys by driving over the path where tile needs to be placed to collect the surface elevation.

2 PLAN

Enter the desired minimum/maximum target depths, as well as the minimum grade to drain excess water from the field. This can be done in the field or with the SMS™ Advanced Water Management Module (see page 30 for more information).

Topo View

Visualize variations in elevations that are difficult to see with the naked eye, ensuring tile is placed in the lowest areas of the field, where you'll get the most out of your investment.

3 INSTALL

Use the plan you created to install tile using AutoTile® to adjust the depth of the plow automatically. You can also use Grade or Pitch control to manually adjust the plow.


How Tiling Pays

$72/acre* $99/acre* $40/acre**

*The Ohio State University Bulletin 871-98. **Various university studies. Based on $3.00/bu corn, $9.00/bu soybeans and $5.00/bu wheat.

SMS Water Management Module

Manage the water in your fields with the same precision you manage the rest of your resources. SMS™ Water Management Module allows you to strategically design field tile plans based on precise supporting RTK topography layers. Once the tile plan is designed, SMS will validate plans to ensure the desired drainage level is achievable.

Importing survey and installed tile data from the Ag Leader® Integra display to SMS Software provides a seamless way to manage and track improvements in crop yield where tile has been installed.

- Create ideal field tiling plans without the difficulty of manual calculations.
- Easily validate that tile runs are sized appropriately to meet drainage capacities.
- Export premade tile plans to field display for efficient in-field installation.
- Share tile plans with others using mapping programs like Google Earth™ mapping service.
- Edit, move and expand existing tile runs to create an updated tile plan.
- Ensure proper tile sizing using the Drainage Coefficient tool.
- Convert previous tile installations and export to display for reference.
- Create the best field tile plan by comparing multiple installation plans for cost and drainage efficiency.
- Module checks for and displays minimum tile size needed.
- Velocity failsafe ensures tile is laid on a grade appropriate for the soil texture at the intended depth.
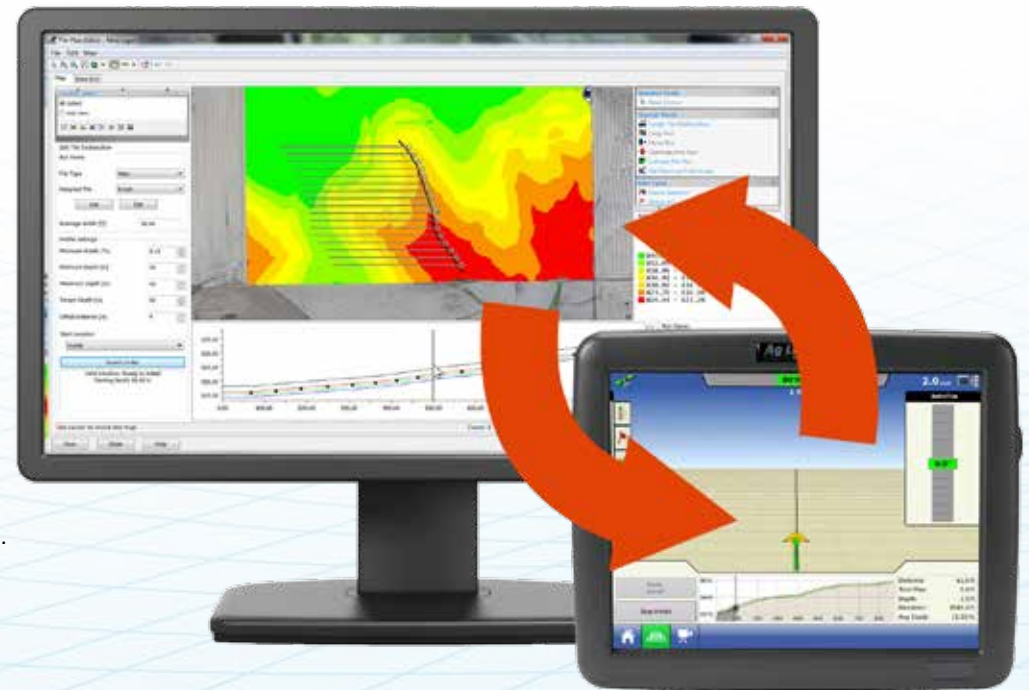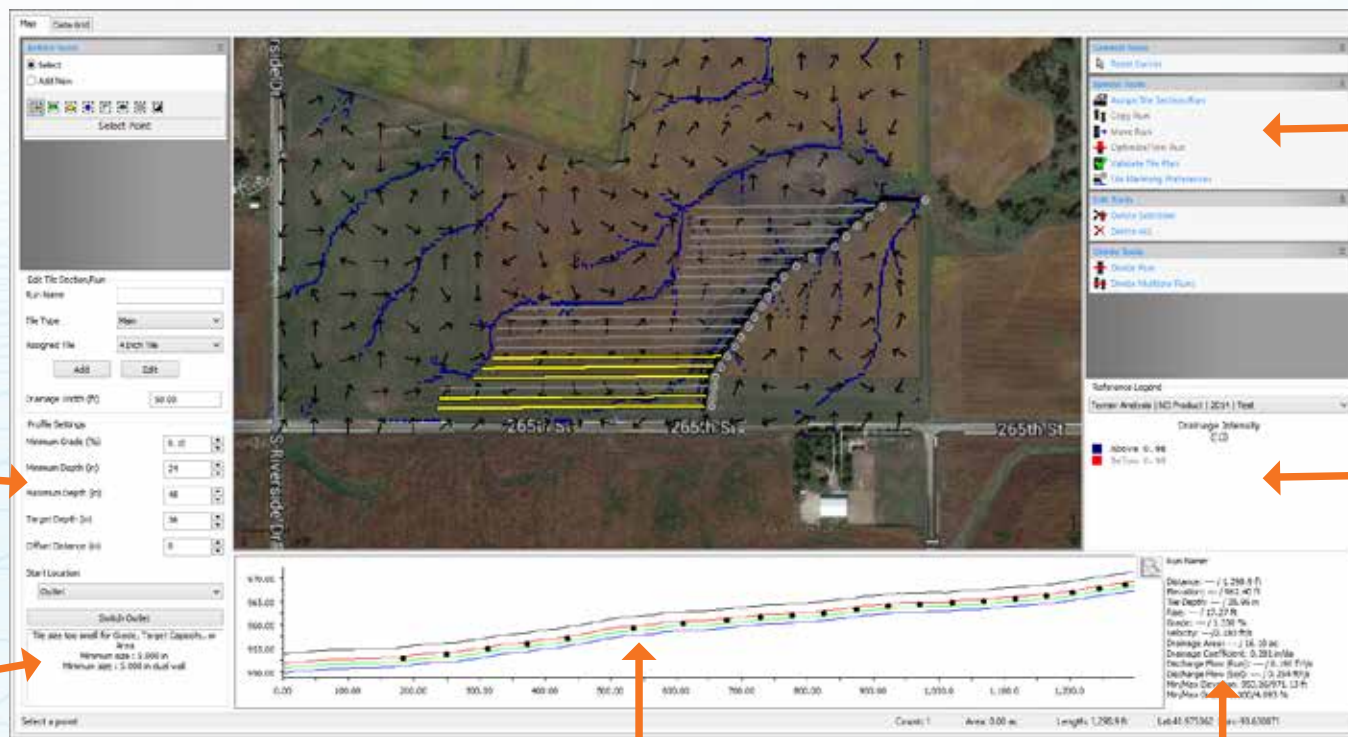
View multiple reference layers for tile planning.

3D View   Imagery   Soil Type   Yield   Existing Tile   Contours   Flow Arrows
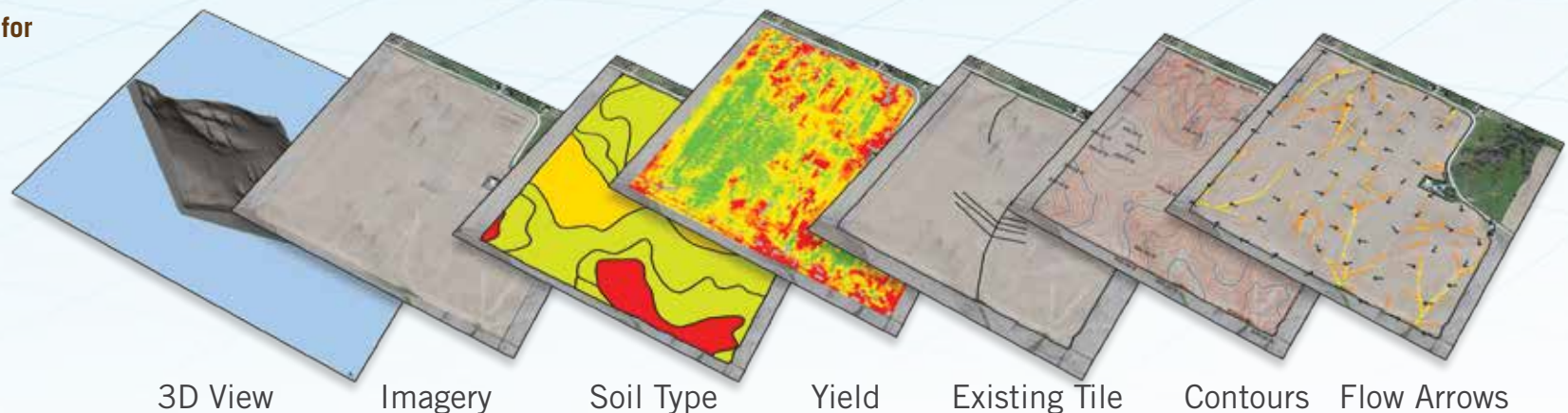
EASILY CREATE CORRECTLY SIZED TILE PLANS

Tile Plan Editor with Reference Layer

Special Tools for tile layout.

Reference layer legend.

Profile Settings for proper grade of each run.

Warning area for size, flowable solution, and connections.

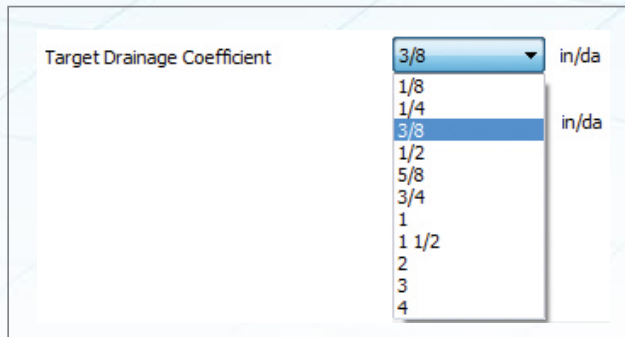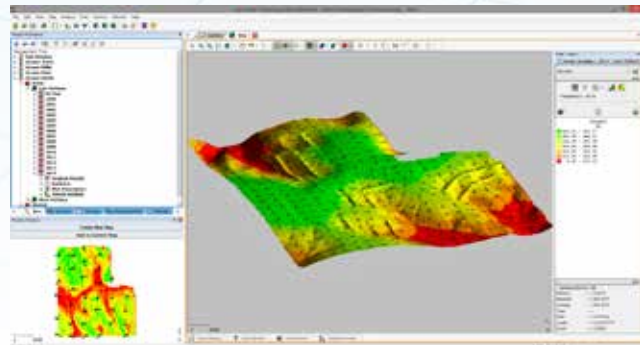Soil profile showing soil surface, placement of the tile run and connections.

Stats area showing actual and target capacity.

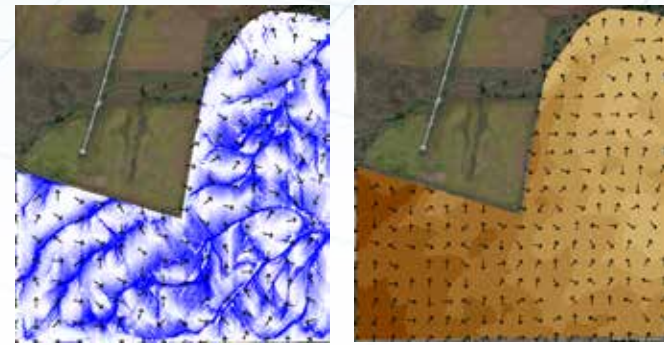## User Settings for Drainage Coefficient:

Settings for the desired Drainage Coefficient ensure proper sizing throughout the plan.

3-D View

Analyze drainage and tiling needs.

Terrain Analysis

Display slope, identify watersheds, drainage areas, wetness potential, flow direction and more.

PLAN, MANAGE, PROFIT.

We understand that smart management decisions are a must in your precision farming operation. And, because you may have data from different systems and sources, we aim to support as many data types as possible. SMS was developed with this in mind, so you can make well-informed decisions based on all your data. Whether the data is from planting, fertilizing, spraying, harvest or guidance, SMS can house and organize all of it for easy access.

- Organize, plan and manage field operations.
- View and print maps, reports and operation summaries.
- Layer maps of field applications (tillage, planting, spraying, harvest, etc).
- Create reports and maps that can be used to satisfy government reporting and regulatory compliance for application documentation.
- Track and store multi-year trends in your fields.
- Analyze data to determine areas of improvement and make more profitable decisions.
- Easily track operational expenses and income, which can be included in financial reports and print layouts.

SMS Software Supports

- Ag Leader
- AGCO
- AutoFarm
- Case IH
- CLAAS
- Flexi-Coil

- HARDI
- Hemisphere GPS (Outback)
- ISO 11783
- John Deere
- KINZE

- Mid-Tech
- New Holland
- Precision Planting
- Raven
- RDS
- Trimble

- Gradient
- Shape, Image, Text Files
- LIDAR Files

SMS™ Basic

Use information captured from your entire operation – planting, application, harvest and more – to turn data into smart management decisions with the powerful SMS Basic desktop software.

SMS™ Mobile

Collect in-field information such as crop scouting, soil sampling, boundaries and more with SMS Mobile. Once data has been captured, seamless integration with SMS Basic and Advanced desktop software makes transferring your data simple.

SMS™ Advanced

Ag Leader's feature-rich SMS Advanced gives growers and trusted advisors data management across many acres, fields and operations. SMS Advanced carries all of the features of SMS Basic, plus additional tools and features designed for superior analysis and report generation.
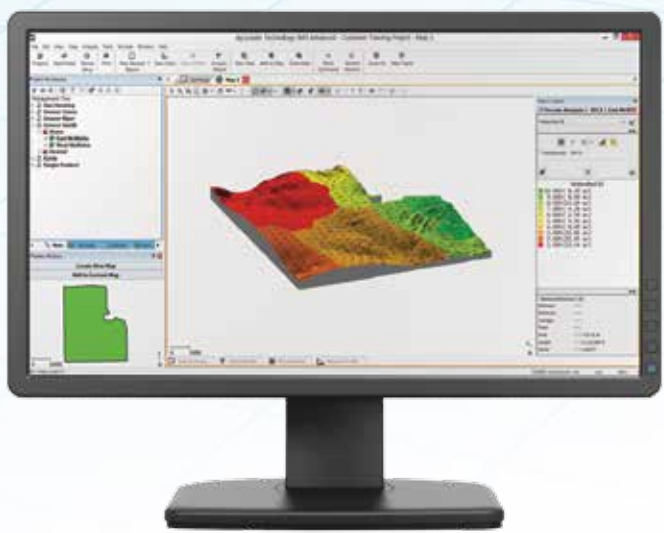
Data Management

| SMS™ Features	Basic	Advanced
File Processing from Most Precision Ag Displays	■	■
Sort Data by Geography	■	■
Generate Crop Plans	■	■
Create, Manage and Export Guidance Lines	■	■
Print Summary Maps, Charts and Reports	■	■
Write Simple Prescriptions	■	■
Aerial/Road Backgrounds	■	■
Query Tools to Analyze Specific Areas	■	■
Check for Updates	■	■
Soil Survey Import (U.S. ONLY)	■	■
Project Management	■ (limited)	■
Send/Receive Files with AgFiniti*	■	■
Equation Writing		■
Calendar View		■
3-D Plotting and Terrain Viewing		■
Comparison Analysis		■
Correlation Analysis		■
Terrain Analysis		■
NDVI Analysis		■
Profit/Loss Mapping		■
Backup Scheduling		■
Cluster Analysis		■
Multi-Year Averaging		■
Display Elevation Surface Contours		■
Multiple Data Storage Locations		■
Dataset Playback		■
Booklet Printing**		■
Water Management**		■
Plot Prescription**		■
*Service available for purchase. **Optional module.		

# TURN YOUR DATA INTO DOLLAR SIGNS

SMS™ Basic

SMS Basic helps you to take data from your field and turn it into smart management decisions using information gathered from planting through harvest. In a grower/consultant relationship, SMS Basic works in conjunction with SMS Advanced, providing even more analytical tools and better insight into your precision farming operation.

- Overlay yield maps with other field operations to determine yield influences.
- Create and manage soil sample points, grids and regions.
- Automatically download soil survey maps (U.S. only) for your fields.
- Export prescription maps to most precision displays currently on the market.
- Create reports and maps that satisfy government reports.
- Easily track operation expenses and incomes.
- Use AgFiniti to wirelessly send and receive data from your Ag Leader display.
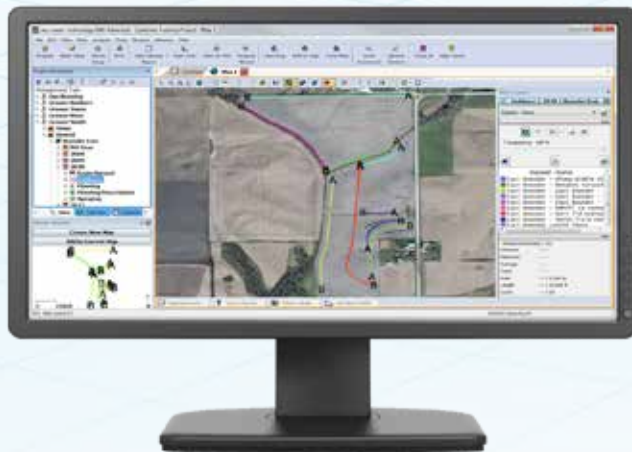
Guidance Planning
Import, manage, store and transfer guidance patterns or AB lines.
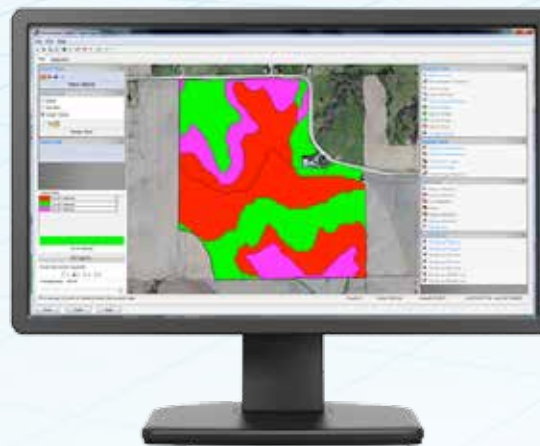
Prescriptions
Create and export simple variable rate prescriptions for seed, granular and liquid application.

Charts and Graphs
Build and print maps, charts and reports.

SMS™ Advanced

For the Grower

With SMS Advanced, growers gain increased depth of information across multiple years and variables, allowing for deeper insight into field-by-field trends and their effect on yield.

For the Trusted Advisor

Crop consultants, insurance providers, custom service providers and seed dealers benefit from the ability to manage an unlimited number of projects, allowing for data analysis by individual fields or across an entire client base while keeping data separate.

- Compare the effect any number of variables have on yield results.
- Combine data to help define management zones.
- Automate analysis functions to reduce time and generate consistent reports.
- Input satellite, photo or crop sensor imagery to view plant health.
- Track speed, rate, elevation and more with pass-by-pass animated replays.
- Map out and plan where tile lines should be installed (optional module; see more information on page 30).
- Create personalized booklets for each client including charts, graphs, maps, etc. (optional module).
- Strategically place and define in-field research plots in the office and use to plant in the field (optional module).
- Use input cost and other financial information to generate map displays of profit/loss across fields.
- Create a terrain analysis layer based on a field's topography to display slope, identify watersheds, drainage areas, wetness potential, flow direction and more.
- Interface seamlessly with AgFiniti for quick upload/download of prescriptions, maps, guidance lines, topo maps and more.
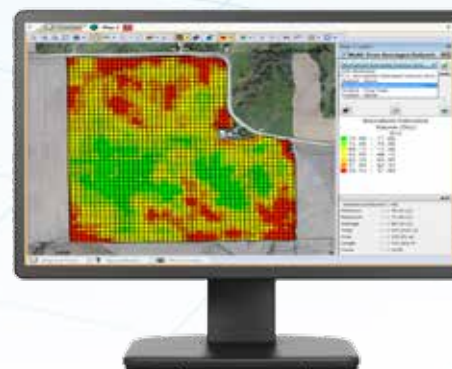

Equation Writing

Build an equation to generate a variable rate prescription, or other datasets based on mapped layers, such as soil sampling and/or grain harvest results. Run these equations for a specific field or across an entire project.
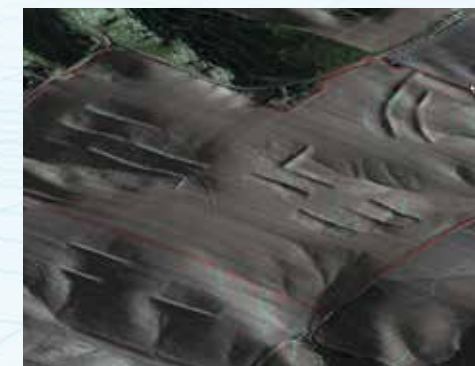
3D View

View your field using 3D maps to help analyze drainage, tiling and terracing needs.

Multi-Year Averaging

Accurately view performance trends across multiple years and crop types.

Comparison Analysis

Easily compare how different field or operation variables (moisture, soil type, fertilizer rates, etc.) affect results.

SMS Mobile

SMS Mobile allows you to collect in-field information such as crop scouting, soil sampling, boundaries and more. It offers flexibility to work with most desktop software solutions, as well as syncing seamlessly with SMS Basic and Advanced. Information gathered from SMS Mobile can provide the extra detail needed to make critical management decisions.

- Log and edit points, lines or polygons manually or with GPS for field scouting, tile mapping and other activities.
- Record swath-based coverage activities, including hybrid/varieties, tillage or application.
- Quickly and easily collect crop health data in the field with supported sensors.
- Add picture notes while scouting to better document important pest observations.
- Display up to 4 real-time map statistics.
- Download and display satellite images for easy viewing in the field, and view 4 background layers simultaneously.
- Print PDF files, or save and email data directly from your device.
- Transfer all data seamlessly to SMS desktop software.
- Designed for use on Windows XP, Vista, and Windows 7 and 8 machines.

Crop Scouting Mode

Scout specific field locations or navigate to previously scouted locations to log detailed information on field/crop conditions as well as insects, diseases or weeds observed.

Soil Sampling Mode
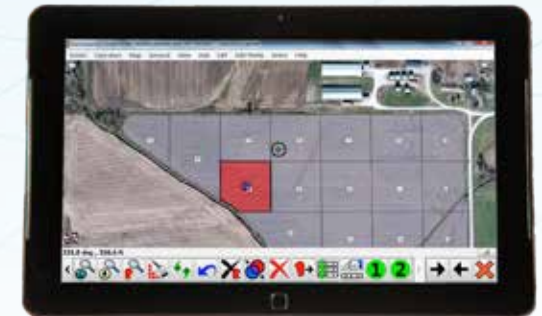
Create and navigate to specific soil sample sites. Drawing tools are available to make and divide sampling zones for specific area needs.

PAIR SMS WITH AGFINITI FOR QUICK DATA ACCESS

Enhance your SMS experience by using it in tandem with AgFiniti®, Ag Leader's cloud-based platform. With seamless data transfer between AgFiniti and SMS, you open up added mobility, eliminating the need for USB storage devices and giving your operation increased connectivity across software platforms and devices.

Together, AgFiniti and SMS can make transferring, storing and accessing crucial farm data simple and effective.

NEW
AgFiniti Map View

AgFiniti Map View provides easy access to all of your precision ag (or site-specific) data from the convenience of your favorite web-enabled device. Working in conjunction with the SMS desktop software, AgFiniti Map View offers the flexibility of displaying precision data from the majority of today's precision farming systems. See important data such as row-by-row planting details, fertilizer treatment zones, previous yield maps and more. Viewing your field maps has never been this easy!

- Displays most mappable data available in SMS desktop software.
- Compatible across many web browsers (sizing limitations on some small devices such as phones).
- Simple design makes seeing what you want easy.
- See values from all your field operations or reference data based on GPS or manual location on your map.
- Simple query tool provides results for all mapped/available data.
- Multi-item mapping allows you to layer data.
- Adjustable legends for map data so you can view data the way you want.
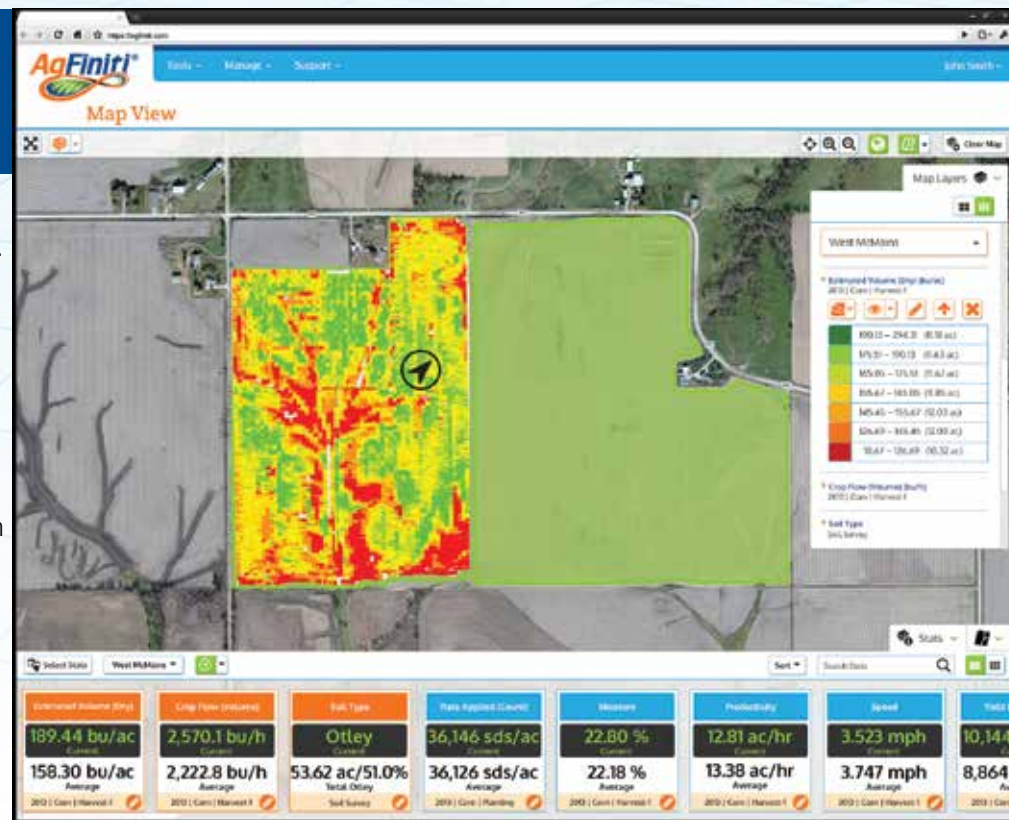
AgFiniti®

DATA AS THE HUB OF YOUR OPERATION

Advanced technology made simple. More control. Easy access and collaboration. That's just the beginning. As information becomes more critical to decision making and profitability, AgFiniti becomes the hub of your operation. Data from the field becomes information that can be accessed from anywhere and shared with trusted advisors. Manage and monitor field activities from your home office. Access displays remotely. Connect your technology. Your data. Your partners. Your way.

- Easily connect to an Ag Leader® Integra or Versa™ display via USB Wi-Fi adapter.
- Choose your preferred wireless carrier and hotspot. No long-term wireless provider contracts or proprietary modems needed.
- Data transfer speeds up to 4G (based on provider availability).
- Upload/download prescriptions, guidance lines, variety reference maps, tiling data, field boundaries, Smart Reports™ and more, including data layers from SMS™ Software.
- Securely store and manage your data online with an easy-to-use AgFiniti account.

- Seamlessly share your data with your trusted advisors, for easy collaboration and decision making.
- Remote display viewing reduces downtime by allowing quick access to dealer support and troubleshooting.
- You retain all ownership rights to your data, and you choose with whom to share it.
- In conjunction with SMS, view your precision ag data anywhere from your AgFiniti account.

YOUR DATA. YOUR PARTNERS. YOUR WAY.

Simple Setup, No Restrictions

Connect the Ag Leader USB Wi-Fi Adapter to the Ag Leader® Integra or Versa™ display and select the best wireless carrier for your area and Wi-Fi hotspot that fits your needs. No long-term cellular data contracts or proprietary modems required.

Easy Access and Collaboration

Store all of your field data in one place and access your data anywhere - in the field, at the office, from your tablet or even your smartphone. Collaborate with trusted advisors such as dealers, agronomists and farm managers to share prescriptions, logged data and more.

Your Data is 100% Yours

Rest assured, your data is backed up and securely housed. Your data belongs to you and you control who can access it. Ag Leader or any other third-party does not have access to your data.

Remote Support

Remote support allows you to give permission to farm managers, dealers and support technicians to view your display in the field from a remote location. Resolve issues faster and reduce downtime with help just a click away.

Ag Leader® Technology

2202 South Riverside Drive, Ames, Iowa 50010

515-232-5363 / www.agleader.com

THE COMPLETE PRECISION FARMING SOLUTION

Who you partner with for your precision farming technologies is an important decision. Ag Leader has been a pioneer in precision farming since the very beginning. In fact, Ag Leader has the most complete lineup of precision farming technology available – both hardware and software. Ag Leader's network of precision farming dealers and its team of dedicated support and training specialists are behind you, granting you access to the best precision farming support in the industry.