



MAXIMIZE EVERY DROP. EVERY GRANULE. EVERY PLANT.

DirectCommand™ has simply revolutionized application. The unique AutoSwath™ feature decreases over application – 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.
- Support 36 boom sections on select sprayers (or machines).



AgFiniti® Mobile: Scout fields knowing exactly where product was applied. Allowing you to realize the benefits of a product through field trials in real time.

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

*http://www.aces.edu/anr/precisionag/documents/09_AgEng_Presentation-Auto-SwathBoomDynamics-Fultonetal.pdf

ISOBUS LIQUID CONTROL MODULE

Compatible with ISOBUS standards for Universal Terminal and Task Controller, the ISOBUS Liquid Module works with Ag Leader and other brands of UT compatible displays.

AutoSwath Control

Automatic section control of up to 36 boom sections on select sprayers (or machines).

Pressure and Flow Based Product Control

System can use flow based control for higher rates, then automatically switch to pressure based for optimum control at lower rates.

Boom Prime

Enter desired pressure and it will prime to the desired psi. Also used to specify Standby Pressure (Hold).

Continuous System Monitoring

Monitors product flow rates and system pressure to detect and warn of sensor failure or system error.

Droplet Size Monitoring

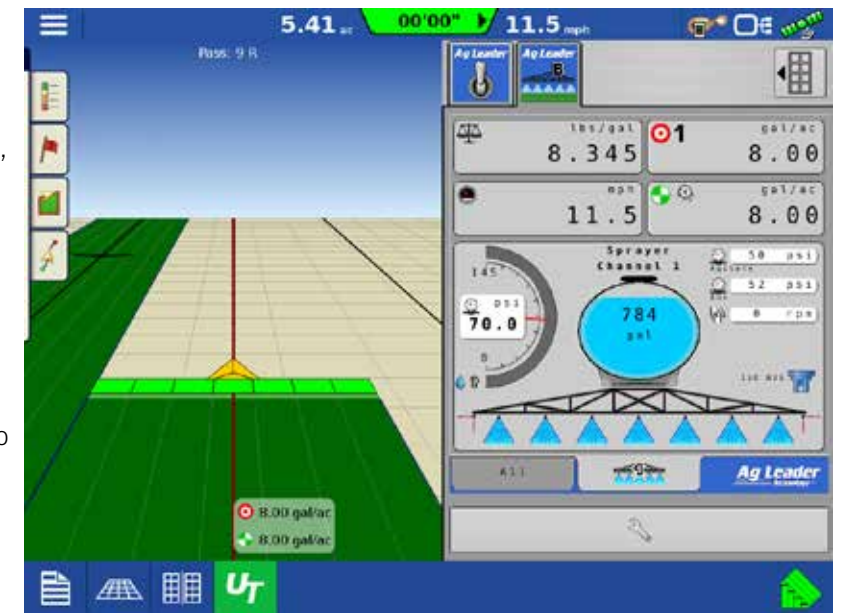
Define your nozzle specs and get droplet monitoring on-the-go.

Nozzle Settings

Store up to 50 user-defined and ISO nozzles in the system, including 11 pre-set ISO nozzles.

Max and Min Alarms

Maximum pressure support – user defined pressure point at which the system will alarm in order to protect hoses, valves, etc. Minimum pressure support – user defined pressure point the system will hold in order to maintain a minimum pressure, allowing the control valve to react from a hold state much faster.



NH3 Specific Features

- Using Pressure/Temperature Sensors, system can monitor liquid/vapor pressure states.
- Tube check feature allows operator to check for plugged knives without leaving the safety of the cab.
- Control in units of N or NH3.



THE RATE YOU WANT, WHERE YOU WANT IT

Spinner Spreader Control

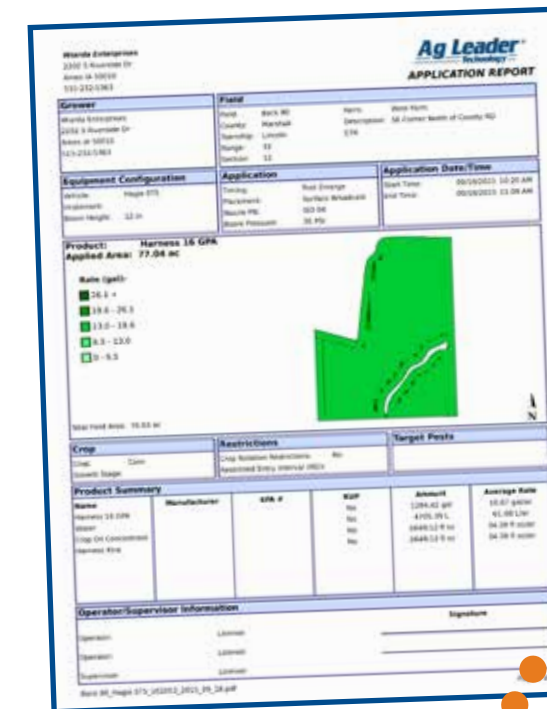
- Simultaneous application of up to five granular products.
- Highly responsive spinner performance.
- Closed loop spinner speed control.
- Support for prescription map variable rate application.
- Easily create and edit product blends for accurate data logging of field applications.
- Container Sequencing allows application of the same product (discrete products or blends) sequentially from multiple containers.

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.

DOCUMENTATION SIMPLIFIED

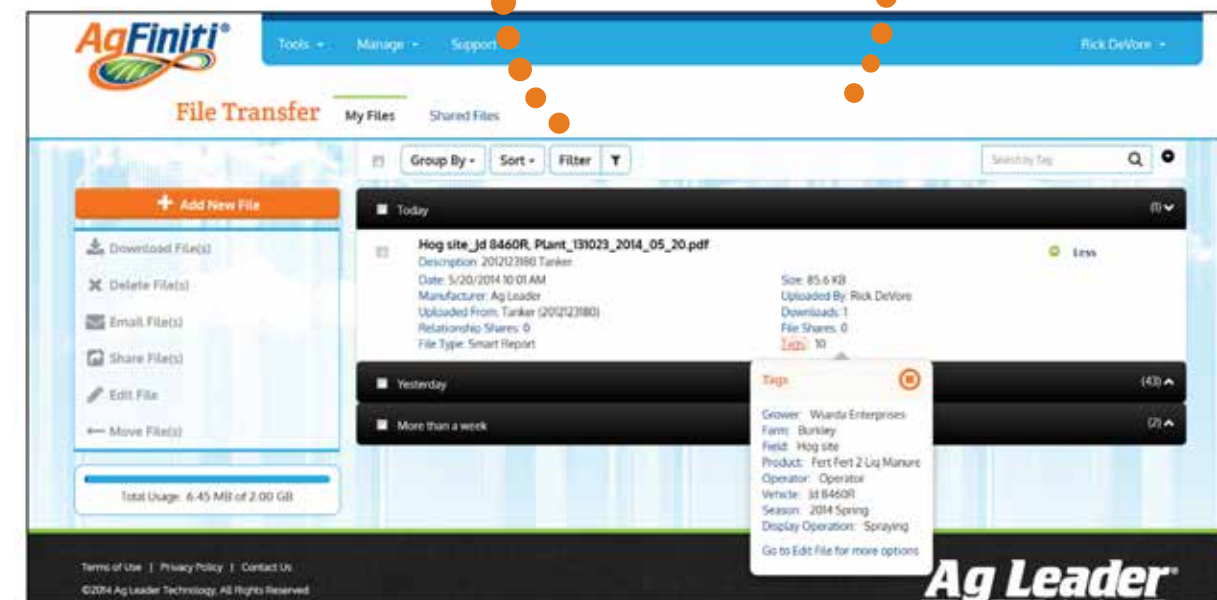
Simplify application reporting (both liquid and granular) with an easy way to generate detailed SmartReports™ for government recordkeeping.



SmartReport™

- 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.

Easily export all SmartReports to AgFiniti®.



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 Export SmartReports by day, week, month or entire season for easy recordkeeping.



ADDRESS YOUR CROP'S NEEDS AND PAD YOUR WALLET

Easily and effectively achieve profitability gains across side-dressed and top-dressed acres by responding to field variability in real-time with variable rate sensor technology.

HOW IT WORKS:

OptRx makes variable rate application simple by measuring your crop's health as you drive through the field and applying the right prescription instantaneously.

1. Operator enters field specific settings, such as: min. & max application rates as well as any pre-applied Nitrogen credits that may be present.
2. OptRx Crop Sensors shine light on crop canopy and then read reflected light off of the crop to determine plant health.
3. OptRx will prescribe the optimal application rate and apply it using DirectCommand.



BOLSTER GROWTH POTENTIAL

On-the-go variable rate application

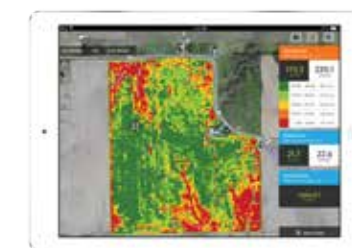
Generate a proven variable rate nitrogen prescription every year without per-acre service fees. Reallocate where nitrogen investment goes by applying higher rates in areas that will respond favorably to more nitrogen and reducing rates in areas that are nitrogen rich.



Scouting tool

OptRx can also be used as a scouting tool to gather crop health information with every in-season field pass. Easily mount on any piece of field equipment to gather data.

- NDVI & NDRE logging capability with InCommand™ 1200 Display.
- On screen mapping and data logging reads seamlessly into SMS™ Software or AgFiniti® Mobile, no need to purchase time intensive photo stitching software.
- Not affected by wind, cloud cover, daylight or FAA regulations.
- Even better, use OptRx with DirectCommand™ to identify and address your crop's needs all in one pass. Done deal!



Not just for nitrogen

Use the OptRx Crop Sensor Rate Table to apply any fertilizer or agro-chemical to any crop. The rate table allows the grower to apply products at different rates based on the crop's VI reading. The lower bound, upper bound, and rate are all user defined.

Lower Bound	Upper Bound	Rate	Number of Ranges	VI Type
0.000	0.200	2.0	5	NDRE
0.201	0.400	13.6		
0.401	0.600	11.0		
0.601	0.800	8.0		
0.801	1.000	3.0		



OptRx Profit Calculator at agleader.com. *University and OEM Trials based on \$3.00/bu corn.