

Cincinnati Ag Intro – Gateway to Growth

John Deere’s latest ag product intro was held in late August with the theme Gateway to Growth. Although the Introduction was not new product heavy, the directions and themes introduced may have as profound an impact on where John Deere and its dealers go in serving their products as any Intro in the past 10 years. The focus on this Introduction was on providing total solutions to our customers with information management being a key moving forward. The other major initiative coming out of the Introduction was the introduction of the first Interim Tier IV engine in agricultural products. A summary of what was introduced follows:

New 8R tractors

The new 8R tractors build on the introduction of the 8Rs introduced last year with a number of new features and enhancements. These tractors mark the “rise of the smart machines” for the capabilities built into the machines through integration of advanced technology with simple controls. The number of models stays the same but horsepower’s increase as follows:



Wheel Models	Track Models
8235R (235 eng hp; 181 PTO hp) replaces 8225R	
8260R (260 eng hp; 213 PTO hp) replaces 8245R	
8285R (285 eng hp; 234 PTO hp) replaces 8270R	
8310R (310 eng hp; 255 PTO hp) replaces 8295R	8310RT (310 eng hp; 247 PTO hp) replaces 8295RT
8335R (335 eng hp; 276 PTO hp) replaces 8320R	8335RT (335 eng hp; 268 PTO hp) replaces 8320RT
8360R (360 eng hp; 296 PTO hp) replaces 8345R	8360RT (360 eng hp; 288 PTO hp) replaces 8345RT

All tractors utilize the new PowerTech™ PSX 9.0L 6 cylinder engines that are Interim Tier IV compliant. These new in-line, dual turbo charged engines utilize exhaust gas recirculation technology and an exhaust filter that automatically cleans itself during normal machine operation without the need for diesel exhaust fluid i.e. urea – the result, simpler operation for the customer. The impact on fuel efficiency is expected to be minimal leaving John Deere still at the forefront of the industry. Other exciting new features include:

- Come standard with JDLink Ultimate Service and Service Advisor Remote, complimentary for one year. These allow for remote monitoring of the machine operation and location along with remote diagnostic capabilities;
- ActiveCommand Steering™ (ACS) is a new option that provides improved steering, especially at transport speeds.
- AutoTrac and Swath Control Pro can now operate on the new GreenStar™ 3 CommandCenter display. An optional version with video capability is also available. A new GS2360 display can also be mounted in the cab for additional applications or information capabilities.
- Automated IVT transmission now includes a new full auto mode to simplify operation.

D450 Self Propelled Windrower

The new D450 provides a “green on green” solution to meet the draper windrower market. The new D450 builds on the introduction of the new A400 and R450 models introduced last year combined with 600D draper platforms ranging in size from 25’ to 40’. Features of the new windrower include:



- A 200 hp 6 cylinder 6.8L PowerTech E engine with heavy duty planetary drives and final drives for extra durability.
- Larger front tires and the IntelliAxle system, a speed sensing rear steering assist feature that uses hydraulic pressure to enhance the manoeuvrability and handling of the machine depending on the operating speed;
- All units some standard with ComfortCommand air suspension seats and Command Center displays that give operators accurate, integrated control of draper settings such as belt speed, float pressure and sensitivity and tilt positions.

New JDLink Applications

The new JDLink telematics system remotely connects equipment owners, farm managers and dealers to equipment in the field. The system allows for real-time alerts and other information such as location, utilization, performance and maintenance data, for machines to be accessed on the JDLink website, or sent via email or text message. Two JDLink packages are available:

JDLink Select features include:

- Roadmap/satellite map and driving directions;
- Machine hours
- Geofencing
- Curfew alerts
- Maintenance management
- Machine utilization profile
- Enables Service Advisor Remote on approved platforms

JDLink Select is an all makes/all models solution.

JDLink Ultimate features include the above features plus:

- Machine status and comparison
- Advance machine utilization
- Customer alerts
- Export/scheduled e-mail report
- Remote diagnostics via diagnostic trouble codes

- System usage information

JDLink Ultimate as part of a special promotion will be installed on all 2011 8R tractors with one year of complimentary service. JDLink Ultimate can be installed in-field on all 30 series tractors and 7x50 series self-propelled forage harvesters.

Service Advisor Remote takes the machine connectivity of JDLink and takes it one step further. If a problem develops with a machine in the field, service technicians at the dealership or anywhere with an internet connection, can access diagnostic information, perform diagnostic recordings and in some cases perform software updates remotely allowing them to respond quickly with the correct tools and parts to fix the problem.

The capabilities of these new systems and future applications will have a profound impact on equipment productivity, utilization and reliability.

AMS Products

New AMS products introduced for 2011 include:

StarFire 3000 Global Navigation Satellite System (GNSS) receiver

The replacement for the StarFire ITC receiver builds on that proven technology with the following innovations:

- Reduced start-up time and downtime. If the signal is lost, the receiver can reacquire it quickly.
- Terrain compensation response – detects changes in roll, pitch and yaw of the vehicle and adjusts its position relative to the ground.
- Better shade performance
- Over the air activations
- Diagnostic display via LED lights on the front of the unit
- Compatible with StarFire 450 and 900 RTK radios as well as GPS and GLONASS satellite signals.

GreenStar 3 2630 Display

Replacement for the GS2 2600 displays provides the following key features:

- Faster process and additional RAM and flash memory
- ISOBUS connectivity
- Video capabilities
- Access Manager capabilities allow “locking out” capabilities of certain functions for inexperienced operators
- USB data transfer
- Improved field locator functionality
- Standby mode
- A smaller, brighter display for in-field operation. A smaller bezel provides the same 10.4” screen but in a more compact form.

iGrade™

The new iGrade™ controller enables new water management applications to automate existing water management tools like Surface Water Pro™ Plus. The system automates control of the tractor's scraper blade to enable basic grade and slope design; distance-based hydraulic commands; and Surface Water Pro™ Plus automation. By automating the blade's position, operators are able to more efficiently and effectively manage surface water issues in the field.

iSteer™

iSteer™ provides active implement guidance to increase accuracy and repeatability in straight track applications. It consists of a receiver and hydraulic steering system, both attached to the implement, that enables the implement to automatically correct its position in the field independently of the tractor's guidance line.

Liquid Manure enhancements

The GreenStar Rate Controller software has been enhanced to be compatible in liquid manure applications through software update SU10-2. With this enhancement, the GS Rate Controller documents the total volume applied and automatically controls the rate in applications with a control valve.

Swath Control Pro™ is compatible for liquid manure applications when a control valve is present and selected in the GS Rate Controller setup. If no valve type is selected or present, Swath Control Pro will not be operational.

Larger No-Till Air Drills

Two new larger 1890 No-Till Air drills have been introduced for 2011. The new models come in five fold 50' and 60' widths to provide increased productivity while still offering the advantages of the proven 90 series air drills. In addition the air towers on all drills have been redesigned to provide for more accessible clean out.

New Frontier Products

Frontier has introduced the new TM51 series of heavy tandem disks. These disks come in operating widths from 18' to 32' and are available with 25" or 28" disk blades. Depending on the model, this series will have a weight per blade range of 265 to 379 pounds, providing a soil/residue penetration depth of up to 9". These new disks fold to safe transport widths with 8" of ground clearance and feature a high strength tubular steel frame, hydraulic folding wings, dual wheels for consistent disking depth and transport and oil-bath-tapered roller bearings with industrial grade seal for maximum durability and lower maintenance.