

EARLY RISER® 2140 PIVOT TRANSPORT PLANTER



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AGRONOMIC DESIGN

HIGH-EFFICIENCY PLANTING: COVER MORE GROUND IN LESS TIME.

We redesigned the new 2140 Early Riser planter from the ground up to help you make the most of every inch of your fields. Six configurations feature ultra-narrow row spacing options combined with the industry's most accurate planter technologies and an all-new row unit for fast, uniform emergence. In addition to the agronomic traits found in every Early Riser planter, the 2140 planter features unmatched terrain flexibility, a factory-integrated fertilizer system and excellent ground clearance for navigating around terraced fields and tight field entrances.



MORE ACCURACY.

- **Factory-integrated Case IH and Precision Planting® technology** are customized to your farm's soil types, terrain, fertilizer and chemical application needs, and crop residue management practices.
- Fully integrated **in-furrow liquid fertilizer delivery system** is specifically designed for the 2140 planter.
- Low-maintenance, **electrically driven metering system** delivers accurate and consistent seed singulation, population and in-row spacing.
- Industry's only **flat-bottom seed trench** provides proper depth and more consistent seed placement while improving seed-to-soil contact.

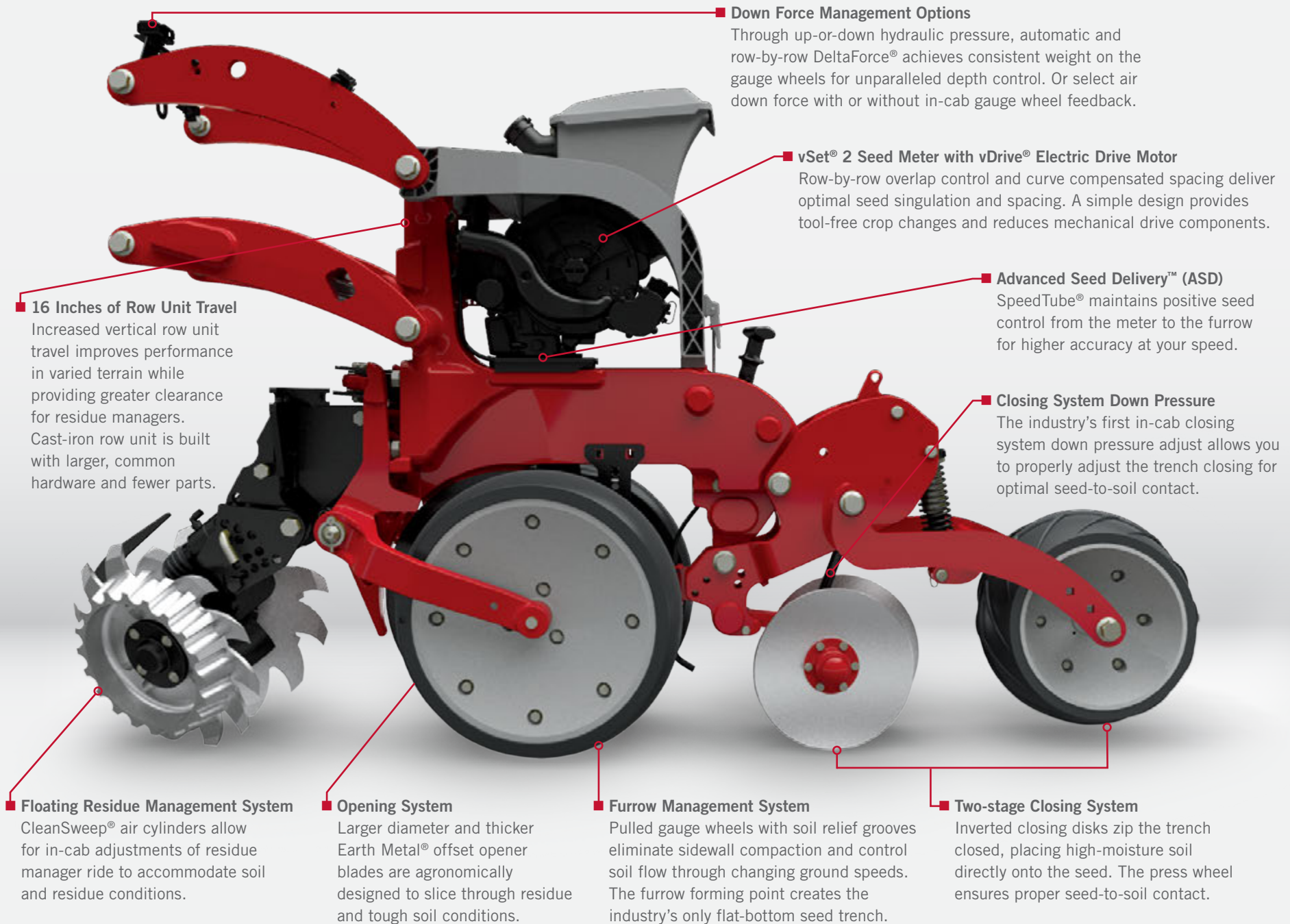
MORE DURABILITY.

- **Rugged row unit** built for unrivaled accuracy and dependability — from 4 mph to 10 mph.
- **Heavy-duty cast components** stand up to increased speeds and tough, fast-changing conditions.
- **Increased wing flexibility** provides accurate seed placement in rolling ground and terraced fields.
- **26-inch toolbar clearance**, plus a **60 percent increase in vertical row unit travel** to accommodate rapid terrain changes.
- **Pivot-fold transport package** provides excellent clearance around fences, railroad tracks and bridges.

MORE PRODUCTIVITY.

- **Tool-free crop changes and adjustments** allow you to quickly and easily change over from corn to bean planting for **two-in-one planter efficiency**.
- **Fast folding, narrow transport**, and **excellent clearance** let you efficiently move from field to field.
- **Tender seed from a convenient platform** that is similar in height to a pick-up truck tailgate, and standard rear work lights help to see better at night.
- **Automatic and in-cab adjustments** help quickly adapt to unique field conditions for optimal performance. Single-screen **AFS Pro 700 display** can show up to six run screens.

ONE ROW UNIT, MULTIPLE POSSIBILITIES.



■ Down Force Management Options

Through up-or-down hydraulic pressure, automatic and row-by-row DeltaForce® achieves consistent weight on the gauge wheels for unparalleled depth control. Or select air down force with or without in-cab gauge wheel feedback.

■ vSet® 2 Seed Meter with vDrive® Electric Drive Motor

Row-by-row overlap control and curve compensated spacing deliver optimal seed singulation and spacing. A simple design provides tool-free crop changes and reduces mechanical drive components.

■ Advanced Seed Delivery™ (ASD)

SpeedTube® maintains positive seed control from the meter to the furrow for higher accuracy at your speed.

■ Closing System Down Pressure

The industry's first in-cab closing system down pressure adjust allows you to properly adjust the trench closing for optimal seed-to-soil contact.

■ 16 Inches of Row Unit Travel

Increased vertical row unit travel improves performance in varied terrain while providing greater clearance for residue managers. Cast-iron row unit is built with larger, common hardware and fewer parts.

■ Floating Residue Management System

CleanSweep® air cylinders allow for in-cab adjustments of residue manager ride to accommodate soil and residue conditions.

■ Opening System

Larger diameter and thicker Earth Metal® offset opener blades are agronomically designed to slice through residue and tough soil conditions.

■ Furrow Management System

Pulled gauge wheels with soil relief grooves eliminate sidewall compaction and control soil flow through changing ground speeds. The furrow forming point creates the industry's only flat-bottom seed trench.

■ Two-stage Closing System

Inverted closing disks zip the trench closed, placing high-moisture soil directly onto the seed. The press wheel ensures proper seed-to-soil contact.

TWO PLANTERS IN ONE EFFICIENT MACHINE.

Whether you're planting corn in level fields or beans in contoured terrain with twists and turns, the 2140 Early Riser planter delivers accurate seed population and spacing at your speed. Designed to easily transition from fully operational widths up to 44 feet to a mere 13.5 feet wide, the 2140 planter is also incredibly easy to transport, service and store.



SPLIT ROW OPTIONS.

A productive, highly accurate corn and bean planter improves yield potential:

- Tool-free adjustments help you quickly convert from corn to soybeans. With just the click of a button, the AFS Pro 700 display **hydraulically lifts split row units** to switch crop types faster.
- Now available in **odd or even row configurations** from the factory. That **extra 15 inches** could result in more productivity or fit better with your traffic practices.
- Reap the agronomic benefits of **ultra-narrow, 15-inch row spacing**, perfect for no-till or minimum-till environments.
- **Increased plant ground coverage** uses available light and moisture. As a result, canopy occurs earlier in the season for better weed control and moisture conservation.

UNMATCHED TERRAIN FLEXIBILITY.

Handle tough terrain and move quickly from field to field with a toolbar that has the flexibility and technology you need to speed up planting while maintaining accuracy:

- **With 21 inches of wing wheel travel** on a 40 foot toolbar, along with **16 inches of row unit travel**, the 2140 planter accurately places seed in undulating terrain and irregularly shaped fields and around terraces.
- From the cab, the **entire toolbar can be quickly raised for 55 inches of clearance**, allowing for faster moves through ditches or over terraced sections of field.
- **Improved clearance** also allows row units to be serviced at shoulder height, allowing you to work comfortably while standing up.

REDUCED COMPACTION.

Maximum flotation for reduced soil disturbance and better stability:

- Combination of tracks and wing lift wheels provide a **balanced footprint** that **distributes weight evenly and consistently** across center section and wings to reduce compaction and rutting on end rows.
- During headland turns, the **hydraulic assist wing wheel** removes approximately 8,800 pounds of weight from the center of the toolbar.
- **Rowtrac Carrier System** puts more square inches on the ground for improved flotation in challenging field conditions.
- **One set of track paths** controls in-field traffic and reduces pinch row compaction. **Side camber** promotes even wear and extended track life through uneven terrain and ground transport.

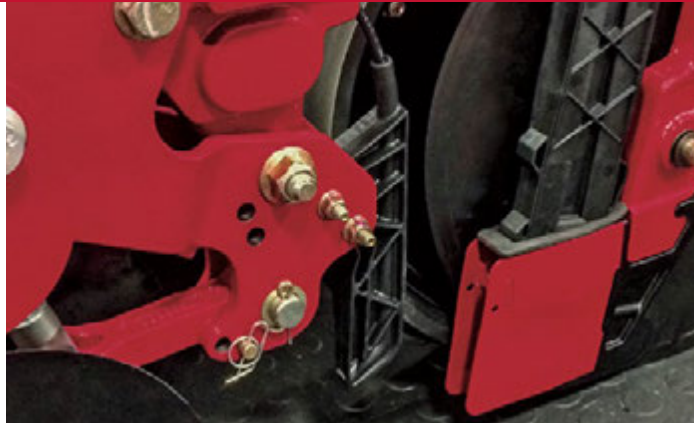


Model	23R15	24R15	31R15	32R15	24R20	24R22
Section Flex Points	6R-11R-6R	6R-11R-7R	10R-11R-10R	10R-11R-11R	8R-8R-8R	8R-8R-8R
Split - Row	10" set-back with hydraulic lift				n/a	
Hydraulic Wing Down Force	Standard (In-cab adjustable)-provides additional down force to the toolbar wings					
Center Section Tires	4-High Flotation 500/45R20 Radial				4-440/55R18 Radial	
Track Carrier Spacing/Track Width†	120 in./18 in. (3040 mm/457 mm)				132 in./18 in. (3353 mm/457 mm)	
Active Wing Wheels	Standard-2 High Flotation 380/55R16.5 Radial					

†Track Option not available until Spring 2019

NEXT-GENERATION TECHNOLOGY: TAILORED, FLEXIBLE, INTEGRATED.

Take control of your farm's potential with advanced planting technology tailored to your operation.



PRECISION PLANTING.

- Factory-integrated **Precision Planting technology** gives you greater control over every square inch of your field.
- **DeltaForce** provides the most accurate seed depth across varying conditions and speeds, including the ability to apply lift to row units in soft soil.
- **CleanSweep air cylinders** offer flexibility and enhanced performance to clear residue and improve emergence.
- Standard **vSet 2 seed meter** and **vDrive electric drive** allow precise per-row seed metering, including curve compensated spacing and overlap control.
- **SpeedTube** uses a flighted belt to control the delivery of the seed from meter to furrow, eliminating the drop and tumble variability of traditional gravity drop seed tubes.

ON-ROW LIQUID FERTILIZER.

- Streamlined, factory-integrated **in-furrow liquid fertilizer delivery system** makes pre-emergence applications more efficient.
- **Two 200-gallon liquid fertilizer tanks** with built-in agitation.
- Centrifugal pump **accurately delivers prescribed rate** across entire working speed range.
- Case IH AFS Pro 700 display manages manual and variable **rate application and mapping**. Also displays **pressure and flow monitoring**.
- Optional **row-by-row overlap control** ensures precise application and reduced input costs.

ADVANCED FARMING SYSTEMS.

- Single AFS Pro 700 display allows you to run six screens for controlling key equipment functions, including CleanSweep, DeltaForce, **Advanced Seed Information (ASI)** and closing system down pressure.
- Optional Advanced Seed Information (ASI) system allows you to **monitor and map seed spacing in real time**.
- Available **AFS AccuTurn** technology provides hands-free, automatic and repeatable turns for increased accuracy and reduced operator fatigue.
- **AFS Connect™ 2-Way File Transfer** seamlessly transfers precision data from your AFS Pro 700 to your home computer or trusted adviser.
- Choose between the total planter control and continuous feedback available through the **Case IH AFS Pro 700** display or add the **20/20 SeedSense®** monitor from Precision Planting.

EARLY RISER® 2140 PIVOT TRANSPORT PLANTER SPECIFICATIONS

CONFIGURATION						
Rows	23	24	31	32	24	24
Spacing	15 in. (381 mm)				20 in. (508 mm)	22 in. (559 mm)
Section Flex Points	6R-11R-6R	6R-11R-7R	10R-11R-10R	10R-11R-11R	8R-8R-8R	8R-8R-8R
Wing Flex*	+10/-7° (17° Total)					
Frame Size	8" × 8" (20.3 × 20.3 cm)					
Toolbar Operating Height	26 in. (660 mm)					
Approximate Transport L × W × H (includes, wheeled carrier, Markers, 2-Stage Closing)	44' 3" × 13' 6" × 10' 4" (13.5 × 4.1 × 3.1 m)	44' 3" × 13' 6" × 10' 4" (13.5 × 4.1 × 3.1 m)	47' 11" × 13' 6" × 10' 4" (14.6 × 4.1 × 3.1 m)	49' 4" × 13' 6" × 10' 4" (15.1 × 4.1 × 3.1 m)	48' 6" × 13' 6" × 10' 4" (14.8 × 4.1 × 3.1 m)	52' 3" × 13' 6" × 10' 4" (15.9 × 4.1 × 3.1 m)
HITCH						
Hydraulic Telescoping Drawbar	Standard – Category IV hitch					
FLOTATION						
Tire Arrangement	1-4-1					
Center Section Tires with High Flotation Wing Wheels	Standard - Center 500/45R20 Radial & Wing 380/55R16.5 Radial				Standard - Center 440/55R18 Radial & Wing 380/55R16.5 Radial	
Center Section Tracks with High Flotation Wing Wheels	Available - 2 Center section Tracks & Wing 380/55R16.5 Radial Tires					
Track Carrier spacing/Track Width	120 in./18 in. (305 cm/46 cm)					132 in./18 in. (336 cm/46 cm)
SEED DELIVERY						
Bulk Fill	Standard – 80 bu. total with work lights					
Electric Drive Vacuum Seed Meter	Standard – vSet® 2 Vacuum Seed Meter w/ vDrive® Electric Drive Motor, row by row overlap control capable and curve compensated spacing					
Seed Tube/Hy Rate Plus™ Seed Sensor	Standard – 10 LED seed sensor for improved accuracy across multiple seed types & rates					
Advanced Seed Delivery™ (ASD)	Available – SpeedTube™ belt delivery system for high accuracy at any speed up to 10 mph*					
ROW UNIT						
Parallel Links	Standard – cast lower parallel links with 16 in. (406 mm) total vertical row unit travel					
Offset Opener Disks / Opener Disk Scrapers	Standard – 15 in. (381 mm) diameter, 0.18 in. (4.5 mm) width, opener disks with external scrapers					
Row Unit Frame with Zero Index Depth Adjustment	Standard – cast row unit frame with 1/4 in. (6.4 mm) or 1/8 in. (3.2 mm) depth increments					
ROW UNIT DOWN FORCE						
Air Down Force	Standard – air down force with gauge wheel load feedback, Available – air down force w/o gauge wheel load feedback					
Hydraulic Down Force with Automatic Control	Available – DeltaForce™ adds or removes weight automatically, row by row					
CLOSING SYSTEM						
2-Stage with Spring Closing Disk & Press Wheel	Standard – independent 9 in. (228 mm) diameter inverted closing disks & rubber press wheel					
V-Press Wheel with Spring	Available – 12 in. (305 mm) diameter × 1 in. (25 mm) width rubber V-Press wheels					
Air Closing	Available – air adjust with AFS Pro 700					
MARKERS						
Markers	Standard – no marker; Available – triple-fold, automatic alternating markers with shear bolts					
HYDRAULIC / ELECTRICAL / AIR SYSTEM						
Hydraulic Direct Drive w/ Alternator	Standard – planter mounted, hydraulically driven, powersaving automated control, 200 amp alternator with battery~					
Auxiliary PTO Hydraulic Pump	Available – planter mounted 40 gpm (151 lpm) PTO pump^					
Compressed Air	Planter-mounted hydraulic drive compressor with wet lube, 5 gal. (18.92 L) air tank and 2 micron air filter, controlled through AFS Pro 700					
DISPLAY SYSTEM						
AFS Pro 700 Display	Available – AFS Pro 700 Display – Required for operation					
FERTILIZER AND CHEMICAL DELIVERY						
Granular Chemical Option	Smart Box® electric insecticide, row by row overlap control, controlled through AFS Pro 700. Closed transfer system. In-furrow delivery					
Liquid Fertilizer w/ Bulk-Fill Option	400 gal. (1 514 L) total capacity (2 tanks), 3 section control through AFS Pro 700. Minimum 3 gal. per acre application. In furrow delivery. Available – row-by-row overlap control					
ROW UNIT TILLAGE						
Fixed Residue Managers	Tine or no-till dual wheel					
Narrow Floating Residue Managers	Tine or no-till with depth band dual wheel. Available – AFS Pro 700 flotation up/down pressure adjust with CleanSweep™ air cylinders					
TRACTOR RECOMMENDATIONS						
Engine Horsepower Range†	230-340 hp	230-340 hp	280-380 hp	280-380 hp	250- 340 hp	250- 340 hp
Drawbar	Category 3 or 4 drawbar with hammer-strap, 6,700 lbs. (3,039 Kg) minimum static load capacity					
Hydraulic System†	High flow or twin-flow hydraulic pump					
Number of Hydraulic Remotes	4 with direct drive, 2 with PTO pump					

Standard = In base price of the planter Available = Multiple options available * = With row units in center range of travel ~ = Battery must be sourced by dealer ^ = Factory supplied dealer installed attachment only † = Varies based on Planter configuration, speed, operating conditions, etc.



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