

CASE II
AGRICULTURE

EARLY RISER[®]

2160 LARGE FRONT FOLD PLANTER

WITH OPTIONAL
ROWTRAC[™] CARRIER SYSTEM



AGRONOMIC DESIGN[™]

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

We rethought every inch of the new 2160 Early Riser planter to give you more out of every acre. Four configurations feature the industry's most accurate planter technologies and an all-new, agronomically designed row unit for fast, uniform emergence. A new Rowtrac Carrier System, unmatched terrain flexibility and in-furrow fertilizer capability, along with automatic adjustments to meet optimal planting windows, give your crop the best opportunity to achieve its full yield potential.



MORE ACCURACY.

- **Factory-integrated Case IH and Precision Planting® technology** customized to your farm's soil types, terrain, fertilizer and chemical application needs, and crop residue management practices
- 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.

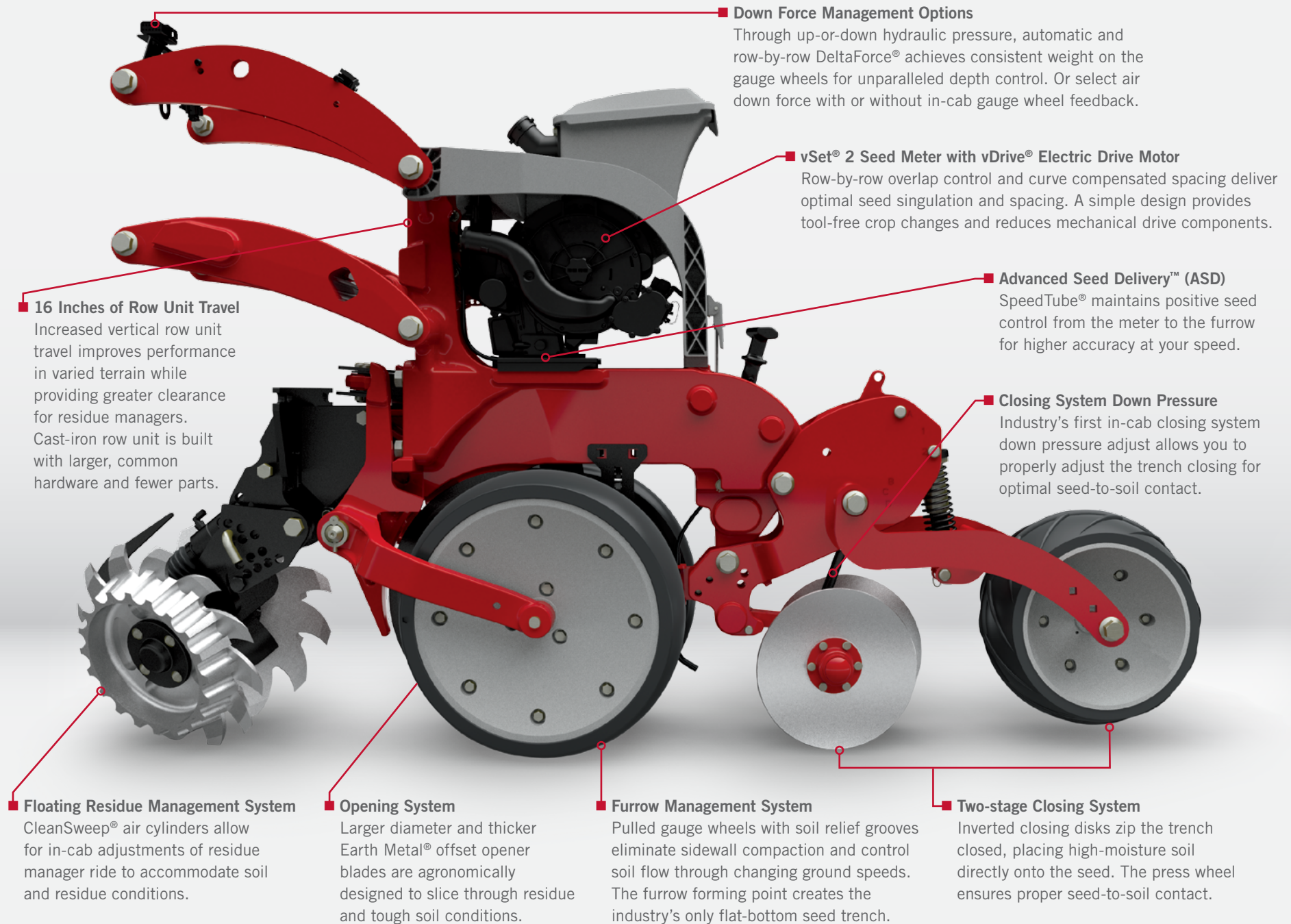
- **Rugged row unit** built for unrivaled accuracy and dependability — from 4 mph to 10 mph*
- **Heavy-duty cast components** stand up to increased speeds and tough, fast changing-conditions
- **26-inch toolbar clearance**, plus a **60 percent increase in vertical row unit travel** to accommodate rapid terrain changes

MORE PRODUCTIVITY.

- **Steerable Rowtrac Carrier System** provides 65 percent increased flotation and a smoother toolbar ride for reduced compaction in wet spring conditions
- Reduced maintenance and **tool-free crop changes and adjustments** keep you in the field to cover more acres with greater speed and efficiency
- **Automatic and in-cab adjustments** help you quickly adapt to unique field conditions for optimal performance

*Depending on conditions

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

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.

BUILD YOUR PERSONAL PLANTER.

Move quickly from field to field with the flexibility and technology you need to speed up planting while maintaining seed placement accuracy. In less-than-ideal conditions, turn to the Rowtrac Carrier System for increased flotation and a smoother toolbar ride. More acres, more maneuverability, more productivity — that's the 2160 Early Riser planter from Case IH.



FIND THE PERFECT FIT.

Whether planting sugar beets in the Dakotas or corn in central Illinois, there's a 2160 Early Riser planter that can be built precisely for your operation's requirements.

See chart on page 5 for more information.

NEW ROWTRAC CARRIER SYSTEM.

Maximum flotation for reduced soil disturbance and greater productivity:

- Industry-first **three-axis steerable track solution** provides better maneuverability and a smoother toolbar ride compared with wheeled carriers
- More square inches on the ground improves flotation and yield potential in challenging field conditions
- **Balanced footprint** distributes weight evenly and consistently, reducing compaction and rutting on end rows
- One set of track paths controls in-field traffic and reduces pinch row compaction

SUPERIOR TRACK DESIGN.

Trust the leader of the track for award-winning Agronomic Design that yield results:

- Exclusive towed-implement **track undercarriage design** is pivotable about three major axes for pitch, roll and yaw movement; this system allows the tracks to be steered while they simultaneously follow rolling terrain
- **Transport steering** improves maneuverability, especially in tight field entrances
- **Fore-aft track oscillation** provides excellent ground contact and weight distribution on undulating terrain
- **Side camber** promotes even wear and extended track life through uneven terrain and ground transport
- Common components and design elements with Magnum™ and Steiger® series Rowtrac tractors, including **automatic hydraulic tensioning**

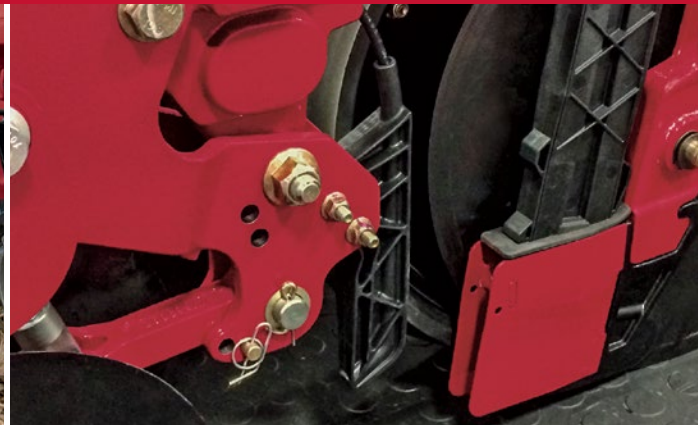
*Recognition of the year's top 50 most innovative new agricultural products in 2017.



Model	36R30	32R30	36R20	36R22
Row/Spacing	36 rows, 30-in. spacing	32 rows, 30-in. spacing	36 rows, 20-in. spacing	36 rows, 22-in. spacing
Toolbar	90-ft. toolbar	80-ft. toolbar	60-ft. toolbar	66-ft. toolbar
Center Section Tracks	24-in. tracks, 120-in. centers; steerable	24-in. tracks, 120-in. centers; steerable	18-in. tracks, 120-in. centers; steerable	18-in. tracks, 88-in. centers; steerable
Ground Pressure w/Trackst	12 psi		18 psi	
Center Section Wheels	(4) 500/45R20 radial tires; walking tandems; steerable or fixed			

[†]Ground pressure in planting mode, with full seed and fertilizer. Values vary with machine configuration and product levels.

NEXT-GENERATION TECHNOLOGY: TAILORED, FLEXIBLE, INTEGRATED.



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 **allow for in-cab adjustability** and 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.

- New factory-integrated **in-furrow liquid fertilizer delivery system** maximizes your fertilizer investment
- **600-gallon liquid fertilizer tank with built in agitation**
- Centrifugal pump **accurately delivers prescribed rate** across entire working speed range
- Case IH AFS Pro 700 display manages system pressure, **flow feedback, variable rate application and mapping**
- Optional **row-by-row overlap control** ensures precise application and reduced input costs

ADVANCED FARMING SYSTEMS.

- Choose between the total planter control and continuous feedback available through the **Case IH AFS Pro 700 display** or add the **20/20 SeedSense®** planting monitor from Precision Planting
- Single AFS Pro 700 display allows you to run six screens for controlling key equipment functions, including CleanSweep, DeltaForce, vDrive, Advanced Seed Delivery, **Advanced Seed Information™** (ASI) and closing system down pressure
- Optional ASI system allows you to **monitor and map seed spacing in real time**
- Available **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

EARLY RISER® 2160 LARGE FRONT FOLD PLANTER SPECIFICATIONS

CONFIGURATION				
Rows	36	36	32	36
Spacing	20 in. (508 mm)	22 in. (559 mm)	30 in. (762 mm)	
Section Flex Points	13R-10R-13R		6R-7R-6R-7R-6R	6R-9R-6R-9R-6R
Wing Flex	+/-15° (30° total)		+/-15° (30° total) inner wing, +/-20° (40° total) outer wing	
Frame Size	12 x 12 in. (30.5 x 30.5 cm)			
Toolbar Operating Height	26 in. (660 mm)			
Approximate Transport L x W x H (includes Bulk Fill w/ Scales, Tracks, Markers, 2-Stage Closing, no Granular Chemical)	46 ft. 6 in. x 16 ft. 4 in. x 12 ft. 3 in. (14.2 x 5.0 x 3.7 m)	47 ft. 10 in. x 17 ft. 10 in. x 12 ft. 3 in. (14.4 x 5.4 x 3.7 m)	54 ft. 10 in. x 15 ft. 4 in. x 12 ft. 3 in. (16.7 x 4.7 x 3.7 m)	56 ft. 5 in. x 15 ft. 4 in. x 12 ft. 3 in. (17.2 x 4.7 x 3.7 m)
HITCH				
Hydraulic Drawbar	Standard – Category IV			
FLOTATION				
Tire Arrangement	2-4-2		2-2-4-2-2	
Steerable Center Section Tires with High Flotation Wing Wheels	Standard – center section 500/45R20 radial tires & wing 380/55R16.5 radial tires (steering in transport only)			
Fixed Center Section Tires with High Flotation Wing Wheels	Available – center section 500/45R20 radial tires & wing 380/55R16.5 radial tires			
Steerable Center Section Tracks with High Flotation Wing Wheels	Available – 2 center section tracks & wing 380/55R16.5 radial tires (steering in transport only)			
Track Carrier Spacing/Track Width	120 in./18 in. (305 cm/46 cm)	88 in./18 in. (224 cm/46 cm)	120 in./24 in. (305 cm/61 cm)	
SEED DELIVERY				
Bulk Fill	Standard – 120 bu. total with work lights; Available – with scales			
Electric Drive Vacuum Seed Meter	Standard – vSet 2 vacuum seed meter with vDrive® electric drive motor			
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; zero indexed from factory			
ROW UNIT DOWN FORCE				
Air Down Force	Standard – air down force with gauge wheel load feedback; Available – air down force without 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 0.10 in. (2.5 mm) width, inverted closing disks & press wheel			
V-Press Wheel with Spring	Available – 12 in. (305 mm) diameter x 1 in. (25 mm) width rubber V-Press wheels			
Air Closing	Available – air adjust closing disk or V-Press wheels with AFS Pro 700 control			
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, with Auxiliary Alternator Automation, 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	Complete planter control and monitoring: lift, fold, marker control, liquid fertilizer, seed metering and all other planter functions. 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	600 gal. (2271 L) tank, 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*	380–620 hp		340–540 hp	380–620 hp
Hydraulic System*	High flow or twin-flow hydraulic pump			
Number of Hydraulic Remotes	3 with PTO pump, 5 direct drive			

Standard = In base price of the planter

Available = Multiple options available

* = Varies based on planter configuration, speed, operating conditions, etc.

~ = Battery must be sourced by dealer

^ = Factory supplied dealer installed attachment only



SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. CNH Industrial America LLC reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice. Availability of some models and equipment builds varies according to the country in which the equipment is used.

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