EARLY RISER® PLANTERS

2000 SERIES



AGRONOMIC DESIGN™

CASE IH





2000 SERIES EARLY RISER PLANTERS

7 Models | 6–48 Rows | 15- to 90-feet Working Widths

AGRONOMICALLY DESIGNED, ACCURATE TECHNOLOGY, DURABLE BUILD

Faster, more uniform emergence, and the best yields possible. Case IH 2000 Series Early Riser planters feature the industry's most accurate planter technology and are built to perform, season after season.

SCAN THE QR CODE TO LEARN MORE



2000 SERIES EARLY RISER PLANTERS

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AGRONOMICALLY DESIGNED FOR HIGH-EFFICIENCY PLANTING

To maximize yield potential, a planter must do more than drop seeds. It must place them precisely and consistently, no matter the soil or tillage condition. Case IH Early Riser® planters are **agronomically designed** for high-efficiency planting, delivering accurate seed placement, consistent depth control, and optimal seed-to-soil contact.

At the heart of the system is the unique Early Riser row unit. Designed to engage the soil differently, each unit creates the ideal seed environment that **promotes faster germination and more uniform emergence**. The result? A stronger, more consistent stand and greater yield potential across every acre.



EVERY PLANT COUNTS

- The 2000 series Early Riser planter is **designed to quickly recognize and accommodate varying conditions, delivering consistently accurate seed placement** and depth control. Built on Agronomic Design™ principles and equipped with the latest Case IH and Precision Planting® technologies, this planter is engineered to deliver the highest yield potential possible through superior agronomic performance.
- The 2000 series Early Riser planter is a **perfect complement to any high-efficiency soil management system**. With proper seedbed preparation using Case IH tillage tools, your fields are set up for success right from the start. When paired with Soil Command tillage technology and the precision of the Early Riser planter, you can further enhance your yield potential.
- All 2000 series Early Riser planters carry the Case IH Agronomic Design designation. This signifies that the equipment gives producers an agronomic advantage from technology, from the people with the expertise to help you create a better growing environment to maximize yield and ROI potential.

SIX PRIMARY DRIVERS OF SEED PLACEMENT ACCURACY WHEN PLANTING

Producers should consider six agronomic drivers of seed placement accuracy at planting time. Depending on the type of seed and field conditions, certain drivers may have more or less importance:

1. **Proper seed depth**
2. **Uniformly correct seed depth across the planter and throughout the field**
3. **Good seed-to-soil contact**
4. **Uniformly correct soil pressure all around the seed**
5. **Accurate seed population**
6. **Accurate in-row seed spacing**

primary drivers of

Photocopy Plants:
potential to impact corn yields by
9%–22%[1]

drivers of

Picket-Fence Stands:
potential to impact corn yields by
2%–4%[2]

1. *Yield impact statistics based upon Purdue University Department of Agronomy Publication AGRY-91-01 "Stand Establishment Variability in Corn".*
2. *Yield impact statistics based upon Purdue University Department of Agronomy Publication AGRY-91-01 "Stand Establishment Variability in Corn". Based on a 200-bushel yield potential and 26,000 to 30,000 seeds per acre with spacing variability with standard deviation of about 2 inches.*

YIELD COMPARISON:

Competitions' Definition of Accuracy – Picket Fence Stands



1 = one more plant, emerged uniformly or spaced accurately and contributing to yield every 17 ft. 6 in. = 1,000 more plants per acre

1,000 × 0.4 lb. (grain weight of an average ear) = 400 lb. per acre

400 lb. per acre/56 lb. per bushel = 7 bpa increase

7 × $3.50 × 1,000 acres = $24,500 per year

Case IH Definition of Accuracy – Picket Fence Stands With Photocopy Plants



ONE ROW UNIT, MULTIPLE POSSIBILITIES

The Early Riser row unit ensures uniform seed depth in all conditions, good seed-to-soil contact, uniform soil pressure around the seed, and accurate in-row spacing and population.



A Downforce Management Option
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 downforce with in-cab gauge wheel feedback.

B 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.

C vSet® 2 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.

D Advanced Seed Delivery™ (ASD)
SpeedTube® maintains positive seed control from the meter to the furrow for higher accuracy at your speed.

E Opening System with Offset Blades
Larger 15-inch diameter and thicker offset opener blades are stronger, sharper, longer-lasting and agronomically designed to slice through residue and tough soil conditions.

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

G Closing System Down Pressure
Industry's first in-cab closing system down pressure adjustment allows you to properly set the trench closing for optimal seed-to-soil contact.

H Two-stage Closing System
Inverted notched or smooth closing disks zip the trench closed, placing high-moisture soil directly onto the seed. The press wheel ensures proper seed-to-soil contact.

I 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.

A SUPERIOR ROW UNIT DESIGN

Testing proves our industry-leading Early Riser planter row unit is where speed, precision and performance meet. It delivers on the critical agronomic drivers necessary to ensure the perfect seed placement: uniform seed depth in all conditions, good seed-to-soil contact, uniform soil pressure around the seed, and accurate in-row spacing and population.



OFFSET DISK OPENERS

- Slice residue, while allowing better seed-to-soil contact
- Ability to penetrate hard soils
- No-till coulter not required
- Narrow 12.5 degree approach angle minimizes sidewall compaction

PULLED GAUGE WHEELS

- Reduced inner diameter gauge wheels
- Improves row unit ride quality
- Minimal resistance over uneven terrain to float over soil
- No maintenance, no greasing
- Solid or optional spoked

REDUCED INNER DIAMETER (RID) GAUGE WHEELS

- Reduced sidewall compaction
- Allows improved early root development

FURROW-FORMING POINT AND SEED SHOE

- Creates a flat bottom seed trench for consistent depth
- Promotes uniform moisture and temperature to seed

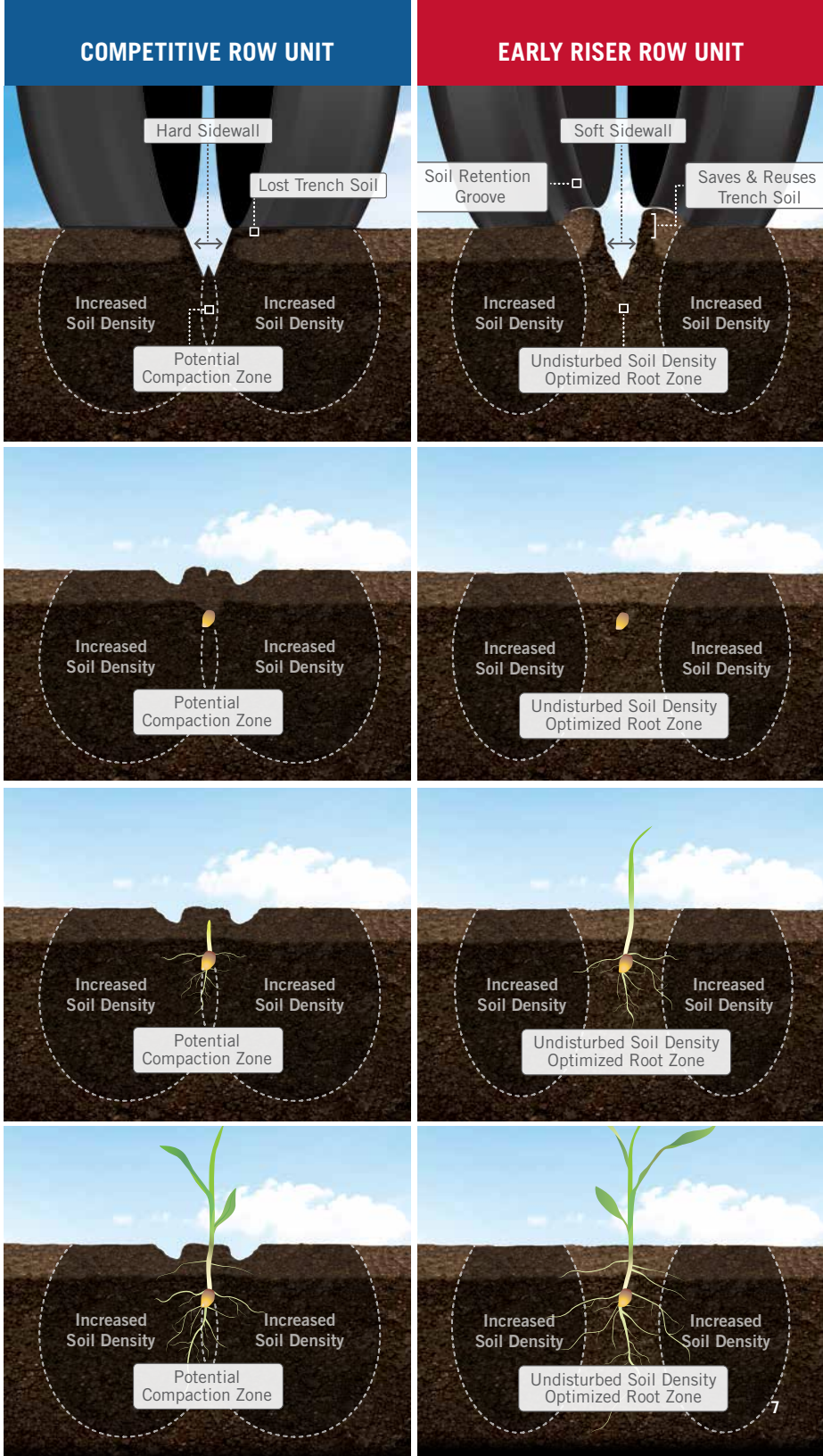
INVERTED CLOSING DISKS

- Squeezes trench closed
- Does not disturb moisture line
- Maintains consistent soil density
- Smooth blade or optional notched

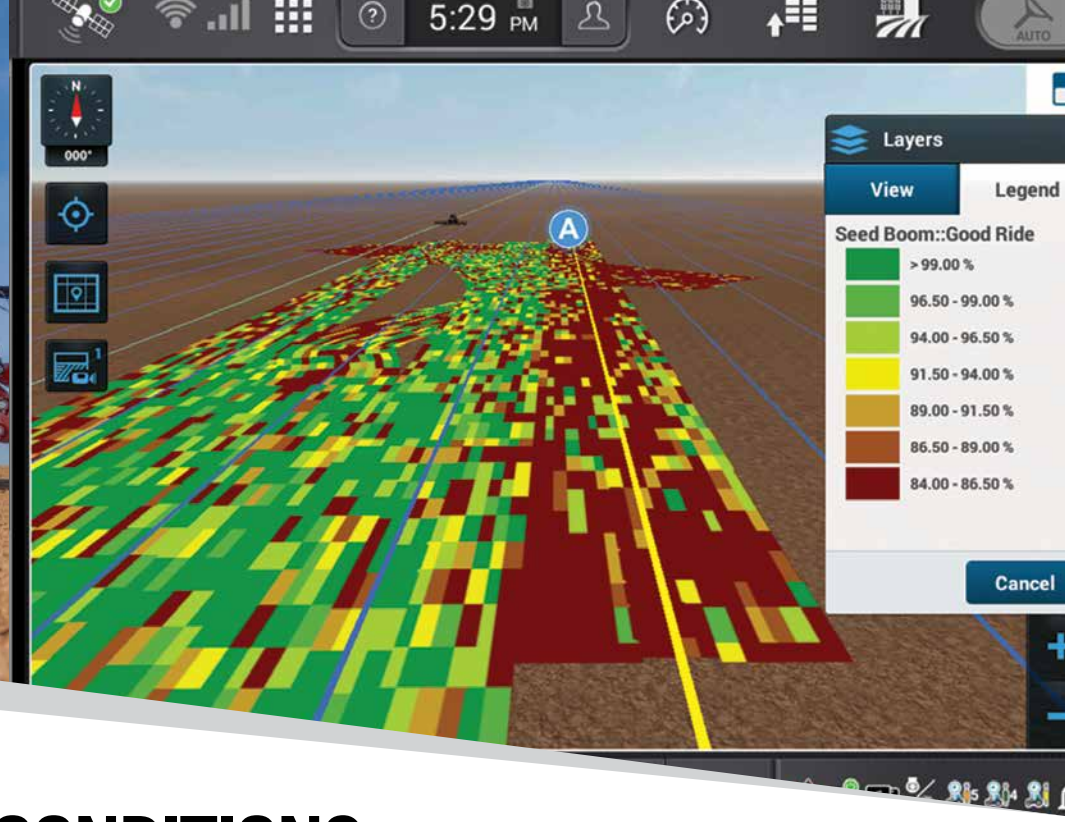
PRESS WHEEL

- Firms soil, improving seed-to-soil contact
- Channels moisture through unique chevron pattern
- Creates fracture line for easier plant emergence

AGRONOMIC DESIGN™







ADAPTS TO MEET YOUR FIELD CONDITIONS

HIGHLY RESPONSIVE

- **Heavy-duty design and components** provide increased wear life and reliability at faster planting speeds and row unit down pressures.
- **Residue managers are designed with a wide operating range,** providing more relief and a reduced likelihood of damage from stubborn obstacles like rocks.
- Industry-first factory-installed, in-cab control lets you adjust **row unit closing down pressure** on the go.
- Choose from the Pro 700*, Pro 700 Plus* or the Pro 1200** display — **to make on-the-go planter adjustments and tailor settings from the cab** as field conditions dictate.

ACCOMMODATE RAPID TERRAIN CHANGES

- **Wing downforce control** provides additional vertical stability to the toolbar wings, helping the row units maintain ground contact at high speeds and respond to changing terrain.
- Hydraulic row unit downforce provides **greater depth control consistency** and improved ride and stability at higher planting speeds.
- **High-clearance frame and 16-inches of row unit vertical travel, the first in the industry,** accommodates rapid terrain changes without sacrificing accurate seed depth for consistency across varied terrain.

DECREASE COMPACTION

- **Designed with fewer tires** to reduce wheel traffic and number of pinch rows — minimizing the chance of soil compaction, especially in wet soil conditions.
- **VF radial tires** carry loads more uniformly across the footprint, reducing compaction.
- **Factory track options** on 2140 and 2160 models.
  - Rowtrac™ Carrier System increases flotation, reduces compaction and improves yield potential.

*Pro 700 and Pro 700 Plus display compatible with model year 2025 and prior planters. **Pro 1200 display compatible with all 2000 series Early Riser planters.

SUPERIOR SINGULATION AND OPTIMAL PLACEMENT

PRECISE PER-ROW SEED METERING

To achieve the perfect picket-fence stand, you need a seed meter capable of delivering accurate and consistent seed singulation, populations and in-row spacing. The seed meter and electric drive at the heart of the 2000 series Early Riser planter row unit do just that. And it does it at your speed.

ELECTRIC DRIVE SIMPLICITY

- The **vSet 2 meter and vDrive electric drive provide precise per-row seed metering** with simplicity and less maintenance to provide picket-fence stands at your speed.
- Mini-hopper and single air-intake screen are **easy to access and clean**.
- Entire seed meter offers fast, **tool-free maintenance and adjustments** — even when switching between crops.

ADVANCED SEED DELIVERY

- The Advanced Seed Delivery (ASD) system **incorporates Precision Planting's SpeedTube**, providing unmatched accuracy in seed delivery and precise placement within the seed furrow.
- Available for corn, soybeans, cotton and sugar beets, the **SpeedTube belt** moves at a rate that increases and decreases with planter speed, ensuring optimal seed spacing by **reducing any tumbling of the seed in the furrow**.

CONSISTENT IN CURVES AND CONTOURS

- With **Curve Compensation,** each row's seed meter adjusts independently around contours and irregularly shaped fields to provide consistent seed spacing whether the row unit is inside or outside the curve.
- **Overlap Control** eliminates overspending on inputs by stopping seed delivery when the unit reaches previously planted ground. This also enhances agronomic yield potential by delivering the correct plant population.
- The **vDrive electric drive systems** achieve overlap control without clutches, which results in less maintenance.







THE CASE IH FIELDOPS APP

View and monitor your equipment and field information in one place, all on your mobile device.

PRECISION TECHNOLOGY

Purposefully designed to be a simplified and streamlined all-in-one operations management solution, Case IH FieldOps empowers owners and operators to manage their fleet and agronomic data at any time from anywhere.



Download on the App Store

GET IT ON Google Play

PLANTER CONTROL SYSTEM OPTIONS

- Choose from the Pro 1200, Pro 700 or Pro 700 Plus display to match your operator and equipment needs.
- Leverage highly accurate RTK-recorded boundaries and section control to eliminate overlap and reduce skips.
- Use AccuSync tractor-to-tractor communication to share guidance lines, coverage maps and boundaries when running multiple tractor-planter combinations in the same field.

CASE IH FIELDOPS OPERATIONS MANAGEMENT SOLUTION

- Share planter data with ease —including varieties, application rates, downforce, row unit ride performance and more—with trusted third-party advisers.
- Analyze agronomic data layers and field conditions to help make more informed decisions and boost yield potential.
- Access real-time data and insights, including precise equipment location and duty status, estimated time to complete and more.
- Create and send prescriptions based on past field activities to optimize seed placement.

*Pro 700 and Pro 700 Plus display compatible with model year 2025 and prior planters. **Pro 1200 display compatible with all 2000 series Early Riser planters.

OPTIMIZE PERFORMANCE

Leverage AccuGuide™ autoguidance and implement guidance to maintain exact alignment between conventional tillage, strip-till and no-till practices for planting operations—ensuring every seed is placed with sub-inch accuracy. Optimize plant spacing and eliminate overlap with row-by-row control, reducing input waste and boosting stand uniformity. With Case IH FieldOps, seamlessly track and manage every operation pass, giving you actionable insights to drive yield and operational efficiency across your acres.

AUTOGUIDANCE

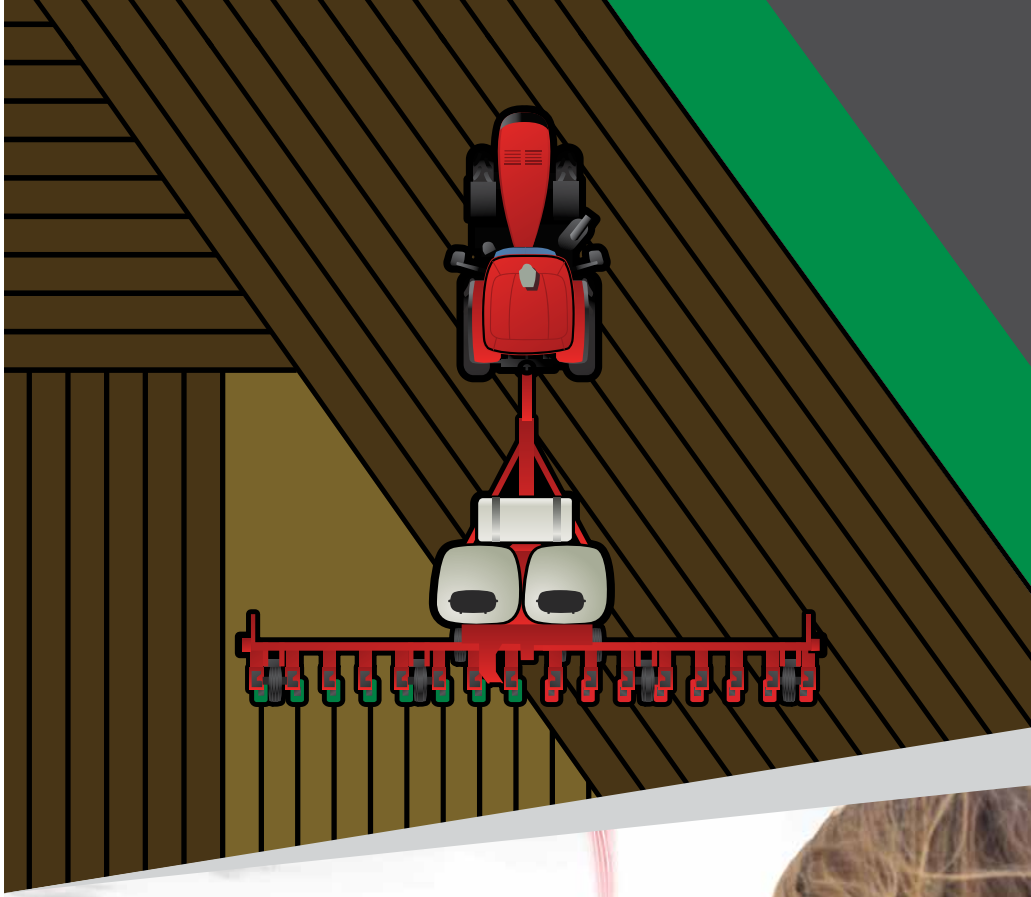
- **AccuGuide autoguidance:** Minimize skips and overlaps to save on inputs, fuel and labor.
- **AccuTurn:** Ensure the planter is square after every turn with hands-free steering for automatic, repeatable-end-of-row turns, creating uniform spacing between rows.
- **AccuTurn Pro:** Directly integrates the features of AccuTurn with the tractor's Headland Management Control 2 (HMC 2) sequence system to fully-automate all activities included in turning at the end of the row.

ACCUSYNC

- Easily share real-time task information including boundaries, guidance lines, and coverage between multiple machines in the same field for a seamlessly connected operation, promoting increased productivity and overall efficiency.
- Minimize overlaps or double planting that can occur between multiple planters operating in the same field via coverage sharing when AccuSync is used in conjunction with AccuRow planter section control.

IMPLEMENT GUIDANCE

- **Seamless Integration:** Features a simple, single-display setup compatible with any qualifying Case IH or third-party implement.
- **Ultimate Precision:** Case IH Active Implement Guidance is a highly accurate plug-and-play solution that shares guidance line data between the implement and tractor.
- **Eliminate Drift:** Minimize operator stress by reducing implement drift. Eliminates planting inaccuracies and increases ease of harvest.







A SINGLE CONTROL CENTER

Visualize high-resolution, as-applied planting data in real time with the Pro 1200 display. It is a single-screen solution to connect, view and manage planter information from the comfort of your cab.

PRO 1200 DISPLAY

The Case IH Pro 1200 display features a large 12-inch anti-glare display for enhanced visibility in all conditions. Remotely monitor all vital tractor and planter functions at a glance to gain unprecedented insight. The Pro 1200 is the primary display on the Magnum™, Steiger®, Optum® and Puma® series tractors.

- Advanced mapping capabilities show seed, downforce, and liquid performance with **row-by-row visualization.**
- With split-screen viewing, visualize downforce and seed information at the same time.
- **Fine-tune planter options, calibrations and settings with just a few touches.** Specific functions can be tailored to specific operations.
- Allow a farm manager or dealer to view exactly what an operator is seeing on the Pro 1200 display in the cab through **remote display view** functionality.
- **Remote service tool** allows dealers to remotely identify maintenance and service needs and proactively determine what may be needed without ever needing to make a trip to the field.
- Seven nameable run screens on a single monitor allow you to fine-tune key machine functions.

In select Case IH tractors, add an optional second Pro 1200 display for increased customization capabilities.

The Pro 1200 display is also available as a **standalone implement control kit** that can be added to select non-factory equipped Case IH or alternative makes of tractors.

AUTOMATED SYSTEMS FOR SPEED AND EASE

- **The vacuum, air, hydraulic and power systems** provide the vital components that keep the planter planting.
- **Automatic speed-adjusted vacuum control** ensures optimal meter performance at all planting speeds—no manual adjustments needed.
- **Stand-alone, fully protected electrical system** with automated alternator produces power as needed to reduce fuel consumption.
- **Heavy-duty air compressor** with high-performance air filter provides reliable performance.

TOOL-FREE ADJUSTMENTS

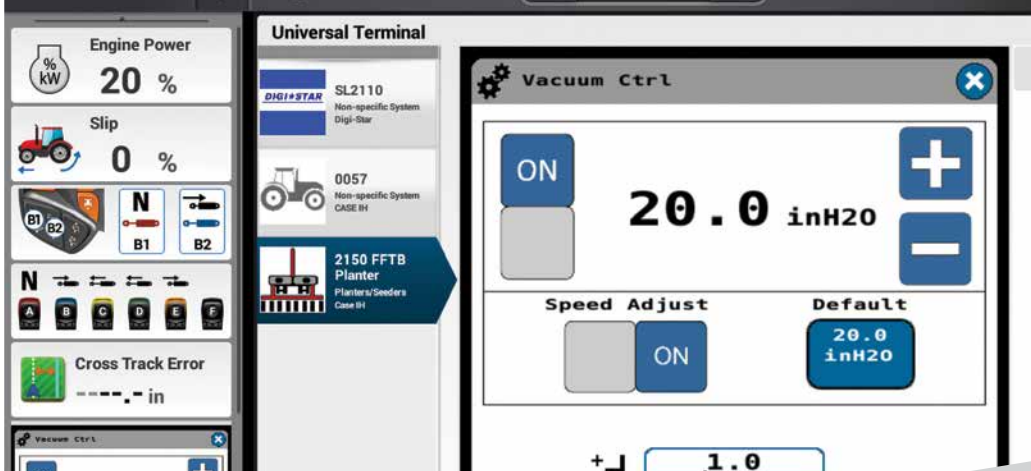
- Many 2000 series Early Riser planter components — including the metering system and row unit settings — **provide tool-free crop changes and adjustments.**
- A streamlined design simplifies service access so modifications can be made quickly and efficiently.

EASY MAINTENANCE

- Seed meter and crop conversion changes are **tool-free with simple accessibility**.
- **Interchangeable components** can be adjusted row by row and are automatically recalibrated on the Pro 1200 display to provide reliable in-field diagnostics. This reduces downtime and operator input into the monitor.
- The design of the 2000 series Early Riser planter eliminates the mechanical components — hex shafts, bearings, couplers, sprockets, chains and clutches — needed to turn a conventional planter. **Fewer things to go wrong means reduced, simpler maintenance.**

QUICK-ADJUSTING T-HANDLE

- **Quick-adjusting T-handle allows for depth adjustments** in 1/8-in. increments up to 3 5/8-in. depth.







2160 EARLY RISER

LARGE FRONT-FOLD TRAILING PLANTER

Designed to cover more ground in less time. Toolbars ranging from 44 to 90 feet give you the efficiency needed to hit optimal planting windows. More acres, more efficiency, more productivity — that's the 2160 Early Riser planter.

STANDARD FEATURES:

- Factory-integrated Case IH and Precision Planting vSet meters for exceptional singulation and accuracy supporting a wide variety of crop types.
- Bulk-fill seed feeding system with two 60-bushel tanks for reliable seed delivery, no matter the seed population.
- Rugged row unit and heavy-duty components for maximum durability.
- Steerable center section tires on 60' and larger configurations.

OPTIONAL FEATURES:

- In-furrow or banded liquid application systems with in-cab controls for variable rate or prescription-based application, helping reduce extra field passes and precisely manage crop care solutions.
- Liquid fertilizer bulk-fill option at 600 gallons with built-in agitation.
- Bulk-fill seed tank scales.
- Steerable Rowtrac™ Carrier System.
- The EM FlowSense™ option provides per-row liquid fertilizer monitoring through the Pro 1200 display.



Model 2160	24R30	32R30	36R30	36R20	48R20	24R22	36R22	48R22	47R15	48R15
Rows	24	32	36	36	48	24	36	48	24 or 47	24 or 48
Spacing	30 in. (762 mm)			20 in. (508 mm)		22 in. (558.8 mm)			30 in. (762 mm) or 15 in. (381 mm)	
Toolbar	60-ft. toolbar	80-ft. toolbar	90-ft. toolbar	60-ft. toolbar	80-ft. toolbar	44-ft. toolbar	66-ft. toolbar	88-ft. toolbar	60-ft. toolbar	
Center Section Tracks	24-in. tracks, 88-in., 120-in. or 132-in. centers; steerable			18-in. or 24-in. tracks, 88-in., 120-in. or 132-in. centers; steerable		18-in. or 24-in. tracks, 88-in. or 132-in. centers; steerable			24-in. tracks, 88-in., 120-in. or 132-in. centers; steerable	
Center Section Wheels	(4) 500/45R20 radial tires; walking tandems; steerable or fixed									
Engine Horsepower Range*	425 hp minimum					280 hp minimum	425 hp minimum			

† Recognition of the year's top 50 most innovative new agricultural products in 2017, 2020 and 2025.

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

MORE YIELD POTENTIAL

MAXIMUM PRODUCTIVITY

- Equipped with the capacity you need to **cover more acres in a day** — a great fit for large farming operations.
- Stay in the field longer with **more seed and liquid fertilizer capacity.**
- **Reduced maintenance and tool-free crop changes** and adjustments keep you in the field to cover more acres efficiently.
- Automatic and in-cab adjustments help you **quickly adapt to unique field conditions** for optimal performance.
- **Front-fold design delivers simple, narrow transport,** so you can travel from field to field and accommodate tight field entrances with ease.

AWARD-WINNING TRACK DESIGN

- **Steerable Rowtrac Carrier System option** provides 74% increased flotation and a smoother toolbar ride for reduced soil disturbance and greater productivity.
- More square inches on the ground **improves flotation and yield potential** in wet spring conditions.
- Three-axis steerable track solution, an industry first, provides **better maneuverability** compared to wheeled carriers.
- **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.

SPLIT-ROW CONFIGURATIONS

- Providing the versatility to plant corn, soybeans or other specialty crops, the Early Riser 2160 is available in a **47R15 and 48R15 split-row configuration** — the largest split-row configuration available from Case IH.
- **A hydraulic lift** offers fast conversion between 15- and 30-inch crops.
- **Liquid fertilizer option** to all rows and easily turned on and off to split rows.





2150 EARLY RISER

FRONT-FOLD TRAILING PLANTER

The 2150 Early Riser Planter is the flagship of the 2000 series—designed for speed, durability, and precise seed placement. Its rugged row unit and toolbar deliver fast, uniform emergence for optimal yield potential. With 30-inch configurations, 30- to 60- foot working widths, up to 600 gallons of liquid capacity, and 120 bushels of seed capacity, the 2150 is built for productivity.

STANDARD FEATURES:

- Factory-integrated Case IH and Precision Planting vSet meters for exceptional singulation and accuracy to support a wide variety of crop types.
- vDrive electric drive technology with row-by-row shut-offs, variable rate and curve-compensated spacing.
- Rugged row unit and heavy-duty components for maximum durability.
- 1.9-bushel or 3-bushel on-row hoppers compatible with a wide variety of crop types.

OPTIONAL FEATURES:

- Bulk-fill seed feeding system with up to two 60-bushel tanks for reliable seed delivery, no matter the seed population.
- Wing downforce option for optimal ground contact in tough conditions.
- Bulk-fill seed split tank scales.
- PTO hydraulic pump.
- In-furrow or banded liquid application systems with in-cab controls for variable rate or prescription-based application, helping reduce extra field passes and precisely manage crop care solutions.
- EM FlowSense™ option provides per row liquid fertilizer monitoring through the Pro 1200 display.



Model 2150	12R30	16R30	24R30
Rows	12	16	24
Spacing	30 in. (762 mm)		
Section Flex Points	3R-6R-3R	5R-6R-5R	8R-8R-8R
Hydraulic Wing Downforce	Optional system control in-cab. Comes standard with DeltaForce.		
Engine Horsepower Range*	155–310 hp	180–380 hp	280–500 hp

† Recognition of the year's top 50 most innovative new agricultural products in 2016 and 2017.
*Varies based on planter configuration, speed, operating conditions, etc.

KEEPS YOU IN THE FIELD

FERTILIZER OPTIONS

- **Liquid fertilizer system** delivers accurate application at a broad speed range.
- A **2×2 frame-mounted liquid fertilizer placement option,** exclusive to the 2150 Early Riser planter, allows for fertilizer to be placed 2 inches over from the seed with adjustable depths up to 4 inches.
- Available with factory installed **dual placement Conceal®** from Precision Planting that can be paired with individual row blockage monitoring via the Pro 1200 display utilizing EM FlowSense™.
- Precise application with **row-by-row overlap control.**
- **Optimize application with optional liquid in-cab controls** available through the Pro 1200 display.

HIGHLY RESPONSIVE

- **High-clearance frame and increased row unit vertical travel** accommodates rapid terrain changes without sacrificing accurate seed placement.
- **Residue managers have more room to work** and more relief — and reduced likelihood of damage — for stubborn obstacles like rocks.
- To help row units remain in position and ready to respond to changing terrain, the **optional wing downforce control** provides additional vertical stability to the toolbar wings.
- **Heavy-duty design and components** provide excellent row unit stability to follow ground contours, including on hillsides and around curves.
- In-cab Pro 1200 display controls allow you to **conveniently tailor settings on the go** as field conditions dictate.

SIMPLE TRANSPORT

- Front-fold frame design for **narrow transport** from field to field.
- **Easy-to-use, on-screen, folding-and-unfolding process** with step-by-step instructions.
- **Simple to raise and lower rear platform** even when folded for tendering and servicing.
- Transport position "Raise Rows" feature allows for **additional row unit ground clearance** from the cab when needed to clear uneven terrain.





2150S EARLY RISER

FRONT-FOLD TRAILING PLANTER

The Early Riser 2150S is two planters in one efficient machine. With configurable narrow row planting, soil erosion can be minimized, promote faster crop canopies and increase yield. To maximize in-field productivity, the 2150S Early Riser front-fold trailing planter offers a 525-gallon fertilizer capacity and 100-bushel seed capacity.

STANDARD FEATURES:

- Factory-integrated Case IH and Precision Planting vSet meters for exceptional singulation and accuracy supporting a wide variety of crop types.
- vDrive electric drive technology with row-by-row shut-offs, variable rate and curve-compensated spacing.
- Bulk-fill seed feeding system with two 50-bushel tanks for reliable seed delivery, no matter the seed population.
- Rugged row unit and heavy-duty components for maximum durability.

OPTIONAL FEATURES:

- Wing downforce and standard sub-frame downforce option for optimal ground contact in tough conditions.
- In-furrow or banded liquid application systems with in-cab controls for variable rate or prescription-based application, helping reduce extra field passes and precisely manage crop care solutions.
- Individual tank scales for easy, even filling.
- Liquid fertilizer bulk-fill option at 525 gallons with built-in agitation.
- PTO hydraulic pump.
- The EM FlowSense™ option provides per row liquid fertilizer monitoring through the Pro 1200 display.



Model 2150S	23R15	24R15	31R15	32R15	24R20
Rows	23	24	31	32	24
Spacing	15 in. (381 mm)				20 in. (508 mm)
Section Flex Points	6R-11R-6R	6R-11R-7R	10R-11R-10R	10R-11R-11R	8R-8R-8R
Hydraulic Wing Downforce	Standard - none; Available - with in-cab control to provide additional downforce to the toolbar wings				
Engine Horsepower Range*	250–340 hp		280–380 hp		250–340 hp

† Recognition of the year's top 50 most innovative new agricultural products in 2023.
*Varies based on planter configuration, speed, operating conditions, etc.

INCREASE YOUR YIELD

HIGH-CAPACITY FERTILIZER OPTIONS

- A **fertilizer capacity of 525 gallons with 100-bushel seed capacity** maximizes in-field productivity while individual tank scales provide easy, even filling.
- **Liquid fertilizer system** delivers accurate application at a broad speed range.
- Achieve more precise application with **row-by-row overlap control.**
- **Optimize application with in-cab controls** available through the Pro 1200 display.
- Integrated system includes optional liquid **row-by-row shut-offs.**

PRODUCTIVE DESIGN

- **In-cab hydraulic row unit lift control** allows operators to easily convert from 15- to 30-inch spacing.
- **Industry-leading** split-row offset design helps increase residue flow with minimal plugging opportunities.
- **High-clearance frame and increased row unit vertical travel** accommodates aggressive terrain changes without sacrificing accurate seed placement.
- Exceptional ground-following capabilities are made possible by **+/- 15 degrees of wing flexibility** to deliver a total range of 30 degrees, while the **hydraulic wing downforce option** improves depth control.
- Heavy-duty design and components provide excellent row unit stability to follow ground contours, including on hillsides and around curves.
- In-cab Pro 1200 display controls allow you to conveniently tailor settings on-the-go as field conditions dictate.

SIMPLE TRANSPORT

- Front-fold frame design delivers a **narrow transport width** of 13 feet for easier roading.
- **Easy-to-use, on-screen, folding-and-unfolding process** is accompanied by step-by-step instructions.
- Operators have **in-cab hydraulic control of all rear subframe row units,** including the center main frame row units.





2140 EARLY RISER

PIVOT-TRANSPORT PLANTER

The 2140 Early Riser planter comes in six configurations and features ultranarrow row spacing options. Four configurations easily convert split-rows between even and odd rows. Designed to efficiently transition from an operational width of up to 44 feet to a transport width of 13.5 feet, the 2140 Early Riser planter delivers excellent ground clearance so you can move from field to field and navigate tight field entrances.

STANDARD FEATURES:

- Factory-integrated Case IH and Precision Planting vSet meters for exceptional singulation and accuracy supporting a wide variety of crop types.
- vDrive electric drive technology with row-by-row shut-offs, variable rate and curve-compensated spacing.
- Bulk-fill seed feeding system with two 40-bushel tanks for reliable seed delivery, no matter the seed population.
- Fast, easy in-cab conversion from 15-in. to 30-in. row spacing.
- Active wing wheels for improved weight distribution, flotation and stability.
- Rugged row unit and heavy-duty components for maximum durability.
- Wing downforce for optimal ground contact in tough conditions.

OPTIONAL FEATURES:

- In-furrow liquid application systems with in-cab controls for variable rate or prescription-based application, helps reduce extra field passes and precisely manage crop care solutions.
- Liquid fertilizer options with 400-gallon capacity and in-furrow plumbing.
- Track option for improved flotation.
- 40 gpm planter-mounted PTO pump.
- The EM FlowSense™ option provides per row liquid fertilizer monitoring through the Pro 1200 display.



Model 2140	23R15	24R15	31R15	32R15	24R20	24R22
Rows	23	24	31	32	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
Split – Row	10" set-back with hydraulic lift				N/A	
Hydraulic Wing Downforce	Standard (In-cab adjustable) — provides additional downforce 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)
Engine Horsepower Range*	230 - 340 hp		280 - 380 hp		250 - 340 hp	

† Recognition of the year's top 50 most innovative new agricultural products in 2018.
*Varies based on planter configuration, speed, operating conditions, etc.

COVER MORE GROUND

MORE ACCURACY

- **Factory-integrated Case IH and Precision Planting technology** are customized to your farm's soil types, terrain, fertilizer, and crop residue management practices.
- Fully integrated **in-furrow liquid fertilizer delivery system** is specifically designed for the 2140 planter.
- **Dual vacuum fans** deliver higher vacuum levels, ensuring more accurate seed placement, especially with heavier or high-density seed types.
- Industry's only **flat-bottom seed trench** provides proper depth and more consistent seed placement while improving seed-to-soil contact.

MORE DURABILITY

- **Larger 8-in. by 8-in. main frame** provides added strength and load-bearing capacity.
- **Heavy-duty cast components** stand up to increased speeds and tough, fast-changing conditions.
- **Active wing wheels** carry a portion of machine weight in headlands, increasing machine stability and improving weight distribution.
- **Pivot-fold transport package** provides excellent clearance around fences, railroad tracks and bridges.

MORE PRODUCTIVITY

- **Hydraulic In-cab split-row lift capability** to easily change from 15 in. to 30 in. rows.
- **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 pickup truck tailgate, and standard rear work lights help to see better at night.
- **Automatic and in-cab adjustments** quickly adapt to unique field conditions for optimal performance. **The Pro 1200 display** can show up to seven run screens.
- Seed and liquid capacities are matched for **synchronized refills**, reducing downtime.
- **Elevated transport position** provides easier access for service, reducing the need to work from ground level.





2130 EARLY RISER

MOUNTED STACK-FOLD PLANTER

A perfect fit for any high-tech strip-till, irrigation and specialty crops operation, the Early Riser 2130 stack-fold planter with mounted 3-point hitch delivers efficiency and accurate seed placement at your speed — up to 10 mph.

STANDARD FEATURES:

- Factory-integrated Case IH and Precision Planting vSet meters for exceptional singulation and accuracy supporting a wide variety of crop types.
- vDrive electric drive technology with row-by-row shut-offs, variable rate and curve-compensated spacing.
- Rugged row unit and heavy-duty components for maximum durability.
- 1.9-bushel or 3-bushel on-row hoppers compatible with a wide variety of crop types, including cotton, edible beans and peanuts.
- Premium wing and mainframe tire package.

OPTIONAL FEATURES:

- In-furrow liquid application systems with in-cab controls for variable rate or prescription-based application, helps reduce extra field passes and precisely manage crop care solutions.
- Bulk-fill seed feeding system with a single 50-bushel tank for more planting between fills, and convenient central fill for fast and easy tendering.
- Optional gullwing and wing downforce.
- Optional lift assist wheels.
- The EM FlowSense™ option provides per row liquid fertilizer monitoring through the Pro 1200 display.



Model 2130	12R30	12R36	12R38	12R40	16R30	18R30
Rows	12				16	18
Spacing	30 in. (762 mm)	36 in. (914 mm)	38 in. (965 mm)	40 in. (1016 mm)	30 in. (762 mm)	
Section Flex Points	3R-6R-3R				4R-8R-4R	5R-8R-5R
Hydraulic Wing Downforce	Available — provides additional downforce to the toolbar wings					
Engine Horsepower Range*	180–310 hp					

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

A PERFECT FIT

STACK-AND-GO PORTABILITY

- **Fast, convenient stacking** allows for easy transport from field to field and brings the planter closer to the tractor so you can back right up to the field edge and start planting.
- **Weight is evenly distributed** across the planter, with active hydraulic wing downforce, and tractor footprint, achieving constant pressure on the gauge wheels for accurate seed depth across varying soil conditions and speeds.
- **Gullwing option** provides additional wing lift when planter is raised for more clearance on headland turns.

FIND THE PERFECT FIT

- **Irrigation:** Pair with a Magnum™ series tractor and use guidance in reverse for better maneuverability. Plant close to a water source without risking equipment damage.
- **Strip-till:** Efficiently hit tight spring planting windows with a planter that precisely follows strips, acre after acre.
- **Wide rows:** The 2130 Early Riser planter allows for 36-, 38- and 40-inch rows so you can plant all of your crops, from corn to cotton.
- **Multiple Crop Types:** The vSet 2 vDrive electric drive meter carefully handles a variety of crops, including cotton, corn, edible beans, soybeans, peanuts and sugar beets, allowing you to place quality seed in the ground, acre after acre.

NEXT-LEVEL EFFICIENCY

- **Bulk-fill seed feeding system** with 50-bushel capacity provides reliable seed delivery — no matter the seed population.
- **Liquid fertilizer system** delivers accurate application and is available with optional row-by-row shut-offs.
- **High-speed capability** — up to 10 mph — helps you get the crop planted during optimal planting windows. For example, you can cover 67% more acres by planting at 10 mph compared to 6 mph.
- Quickly adapt to changing conditions with **in-cab adjustment options** for row cleaner ride, row unit downforce, and closing system down pressure.





2120 EARLY RISER

RIGID TRAILING PLANTER

The 2120 Early Riser planter introduces innovative technology to smaller-scale producers like you've never seen — but always deserved. Protect your crops right from the start with precise and accurate seed placement features, while our advanced fertilizer systems put their growth in your control. Integrated precision technology improves seed placement accuracy and minimizes ground pressure between rows, resulting in higher productivity and reduced soil compaction. Unlock the full potential of your operation with the 2120 Early Riser planter and discover what a high-tech planter can do for even the smallest farms.

STANDARD FEATURES:

- VF Tires offer enhanced flotation to minimize compaction.
- 1.9-bushel or 3-bushel on-row hoppers compatible with a wide variety of crop types, including cotton, edible beans and peanuts.
- Optimized hose and harness routing minimizes pinching and material build-up.
- Integrated vacuum plumbing with standard in-cab automated speed adjustment.
- Deluxe hydraulic drive air compressor with in-cab control of 2-stage closing, row unit air down pressure and floating residue managers.

OPTIONAL FEATURES:

- In-furrow or banded liquid application systems with in-cab controls for variable rate or prescription-based application, helps reduce extra field passes and precisely manage crop care solutions.
- Dry fertilizer system with a 6,000-pound carrying capacity.
- Factory installed fertilizer systems with industry-leading dry and liquid fertilizer capacities.
- PTO Hydraulic Pump.
- The EM FlowSense™ option provides per row liquid fertilizer monitoring through the Pro 1200 display.



Model 2120	6R30	8R30	11R15
Rows	6	8	11
Spacing	30 in. (762 mm)		15 in. (381 mm)
Hydraulic Row Unit Downforce	Available - DeltaForce™ adds or removes weight automatically, row by row		
Engine Horsepower Range*	85–200 hp	100–50 hp	150–250 hp

† Recognition of the year's top 50 most innovative new agricultural products in 2024.
*Varies based on planter configuration, speed, operating conditions, etc.

PRODUCTIVITY IN A SMALL PACKAGE

MORE ACCURACY

- **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.
- **Both liquid and dry fertilizer** offer different methods of application.
- Single section, **hydraulically driven dry fertilizer** option provides variable rate capability.

MORE PRODUCTIVITY

- **Reduced maintenance and tool-free crop changes** and adjustments keep you in the field to cover more acres with greater speed and efficiency.
- **Optimize planter performance** with options for seed carrying capacity, a variety of in-cab adjustments and automatic control of vacuum, row unit downforce and more.

MORE DURABILITY

- Rugged row unit **built for unrivaled accuracy and dependability** — from 3 mph to 10 mph.
- **26-inch toolbar clearance**, plus a 60% increase in vertical row unit travel to accommodate terrain changes.





2110 EARLY RISER

RIGID MOUNTED PLANTER

MORE CAPACITY AND PRODUCTIVITY IN A RIGID MOUNTED PLANTER

The 2110 Early Riser planter is rebuilt from the ground up — from rugged row units to the industry's most accurate factory-installed Precision Planting® technology options. Ten configurations ensure the perfect fit for specialty crop operations, such as peanuts and cotton, as well as cash crop operations with smaller than average field sizes. Available with either high-tech components or as a base model planter for aged or lower horsepower tractors — the Early Riser 2110 rigid mounted planter is a versatile planter that supports 15-, 30-, 36-, 38- and 40-inch row spacing.

STANDARD FEATURES:

- Weight brackets for high downforce scenarios.
- Steel enclosure protects vital electronic components.
- Integrated vacuum plumbing with standard in-cab automated speed adjustment.
- Choose from **standard 1.9 bushel** on-row hopper or **optional 3.0 bushel** hopper.
- Deluxe hydraulic drive air compressor with in-cab control of 2-stage closing, row unit air downforce and floating residue managers.
- Optimized hose and harness routing minimizes pinching and material build-up.
- Bolt-on row units allows for customization.

OPTIONAL FEATURES:

- Liquid fertilizer system with optional individual row shutoffs and variable rate control.
- The EM FlowSense™ option provides per row liquid fertilizer monitoring through the Pro 1200 display.



Model 2110	6R30	6R36	6R38	6R40	8R30	8R36	8R38	8R40	11R15	15R15
Rows	6				8				11	15
Spacing	30 in. (762 mm)	36 in. (914 mm)	38 in. (965 mm)	40 in. (1 016 mm)	30 in. (762 mm)	36 in. (914 mm)	38 in. (965 mm)	40 in. (1 016 mm)	15 in. (381 mm)	
Hydraulic Row Unit Downforce	Available - DeltaForce™ adds or removes weight automatically, row by row									
Engine Horsepower Range*	85–200 hp				100–50 hp				150–250 hp	

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

UNRIVALED ACCURACY

MORE ACCURACY

- **Factory-integrated Case IH and Precision Planting technology** can be 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** with tractor-mounted tank is specifically designed for the 2000 Early Riser series planter lineup.
- **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 PRODUCTIVITY

- **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** quickly adapt to unique field conditions:
  - Automatic hydraulic downforce with DeltaForce®
  - Speed-compensated vacuum adjust
  - Floating residue managers with CleanSweep® air cylinders
  - Air closing system adjust
  - Individual row shut-offs for seed and fertilizer
  - Automatic curve compensated spacing

MORE DURABILITY

- Rugged row unit **built for unrivaled accuracy and dependability** — from 3 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% increase in vertical row unit travel to accommodate terrain changes.







FIT THE WAY YOU FARM WITH CASE IH FERTILIZER OPTIONS

No matter your farming practices, Case IH has fertilizer options and attachments to promote faster, earlier seed growth. Your Case IH dealer can spec out your planter to get the job done the way you want.

CONTROL SYSTEM

- **Monitor liquid fertilizer system performance and make in-cab flow rate adjustments** with the Pro 1200 display.
- **Three-section control system** is capable of prescriptions and variable rates and offers row-by-row overlap control for ultimate efficiency to reduce input costs.
- **Centrifugal liquid fertilizer pump** accurately delivers a broad application rate across a range of speeds (3 to 10 mph).

LIQUID FERTILIZER OPTIONS

- On 2160, 2150S, 2150, and 2140 planter models, factory-installed seed-fertilizer combination units feature a 400- to 600-gallon liquid fertilizer capacity plus bulk-fill seed hoppers.
- The 2120 planter model features a 500-gallon liquid fertilizer tank with multiple application options, including in-row or frame-mounted coulters.
- Factory-available fertilizer unit, including all toolbar and row unit distribution to the furrow, is available for the 2130 and 2110 planter models; tractor-mounted tanks required.
- Available row-by-row shut-offs reduce input costs.

2160 EARLY RISER LARGE FRONT-FOLD PLANTER

CONFIGURATION										
Rows	24	24	36	36	32	36	47	48	48	48
Spacing	22 in. (559 mm)	30 in. (762 mm)	20 in. (508 mm)	22 in. (559 mm)	30 in. (762 mm)		15 in. (381 mm)		20 in. (508 mm)	22 in. (559 mm)
Section Flex Points	7R-10R-7R	9R-6R-9R	13R-10R-13R		6R-7R-6R-7R-6R	6R-9R-6R-9R-6R	17R-13R-17R	17R-13R-18R	9R-10R-10R-10R-9R	9R-10R-10R-10R-9R
Wing Flex	+/-15° (30° total)				+/-15° (30° total) inner wing, +/-20° (40° total) outer wing		+15°/-6° (21° Total)		+15°/-15° (30° total) outer wing, +15°/-15° (30° total) inner wing	
Frame Size	12×12 in. (30.5×30.5 cm)									
Toolbar Operating Height	26 in. (660 mm)									
Approximate Transport L×W×H (Includes Bulk Fill With Scales, Tracks, Markers, 2-stage Closing)	35 ft. 5 in.×17 ft. 10 in. ×12 ft. 3 in. (10.8×5.4×3.7 m)	46 ft. 6 in.×15 ft. 4 in. ×12 ft. 3 in. (14.2×4.7×3.7 m)	46 ft. 6 in.×16 ft. 4 in. ×12 ft. 3 in. (14.2×5.0×3.7 m)	47 ft. 10 in.×17 ft. 10 in. ×12 ft. 3 in. (14.4×5.4×3.7 m)	54 ft. 10 in.×15 ft. 4 in. ×12 ft. 3 in. (16.7×4.7×3.7 m)	56 ft. 5 in.×15 ft. 4 in. ×12 ft. 3 in. (17.2×4.7×3.7 m)	46 ft. 6 in.×17 ft. 1 in. ×12 ft. 3 in. (14.2×5.2×3.7 m)		54 ft. 10 in.×16 ft. 4 in.×12 ft. 3 in. (16.4×4.8×3.7 m)	56 ft. 5 in.×17 ft. 10 in.×12 ft. 3 in. (17.1×5.1×3.7 m)
HITCH										
Hydraulic Drawbar	Standard – Category IV									
FLOTATION										
Tire Arrangement	2-4-2				2-2-4-2-2		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	Standard – center section 500/45R20 radial tires & Wing 380/55R16.5 radial tires	Available – center section 500/45R20 radial tires & wing 380/55R16.5 radial tires								
Center Section Tracks With High Flotation Wing Wheels	Available – 2 center section 24 in. or 18 in. fixed tracks & wing 380/55R16.5 radial tires	Available – 2 center section 24 in. steerable or fixed tracks & wing 380/55R16.5 radial tires (steering in transport only)	Available – 2 center section tracks & wing 380/55R16.5 radial tires (steering in transport only)		Available – 2 center section 24 in. steerable or fixed tracks & wing 380/55R16.5 radial tires (steering in transport only)	Available – 2 center section 24 in. steerable or fixed tracks & wing 380/55R16.5 radial tires (steering in transport only)			Available – 2 center section 24 in. or 18 in. steerable or fixed tracks & wing 380/55R16.5 radial tires (steering in transport only)	
Track Carrier Spacing/Track Width	Standard – 88 in. / 24 in. or 18 in. (224 cm / 61 or 45 cm); Available – 120 in. or 132 in. (305 cm or 335 cm) Extensions^									
SEED DELIVERY										
Bulk Fill	Standard – 120 bu. total with work lights; Available – bulk fill with combined tank weight scales									
Electric Drive Vacuum Seed Meter	Standard – vSet® 2 vacuum seed meter with vDrive® electric drive motor									
Seed Tube / Hy Rate Plus/Available WaveVision™	Standard – 10 LED seed sensor; Available – WaveVision seed sensor for improved accuracy in high dust conditions									
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 combination internal/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 DOWNFORCE										
Air Downforce	Standard – air downforce with gauge wheel load feedback									
Hydraulic Downforce With Automatic Control	Available – DeltaForce® adds or removes weight automatically, row by row									
CLOSING SYSTEM										
Closing Disk & Press Wheel	Standard – independent 9 in. (228 mm) diameter 0.10 in (2.5 mm) width, smooth inverted closing disks & press wheel; Available – notched closing disks									
V-Press Wheel With Spring	Available – 12 in. (305 mm) diameter × 1 in. (25 mm) width rubber V-Press wheels									
Air Closing	Available – in-cab pneumatic adjustment									
MARKERS										
Markers	Standard – no marker; Available – automatic alternating markers with shear bolts									
HYDRAULIC / ELECTRICAL / AIR SYSTEM										
Hydraulic Direct Drive With Alternator	Standard – planter mounted, hydraulically driven, with auxiliary alternator automation, (200 amp 24R) (330 amp 24R+) alternator with battery~									
Auxiliary PTO Hydraulic Pump	Available – planter mounted 22 GPM (83 LPM) PTO Pump^	Available – planter mounted 40 gpm (151 lpm) PTO pump^								
Compressed Air	Standard – planter-mounted hydraulic drive compressor with wet lube, 5 gal. (18.92 L) air tank and 2 micron air filter, controlled through Pro 1200									
DISPLAY SYSTEM										
Pro 1200	Pro 1200 control only; Available – 1 or 2 integrated planter mounted cameras^									
FERTILIZER DELIVERY										
Liquid Fertilizer	600 gal. (2271 L) total capacity, 3 section control. min. 3 gal. per acre application.									
Liquid Fertilizer Delivery	Available –in-furrow applicator									
Liquid Fertilizer Per Row Flow Monitor	Available – per row liquid product flow monitoring using EM FlowSense® and required Pro 1200 display									
Electronic Individual Row Liquid Fertilizer Shutoff	Available – automated overlap control in sync with the seed meter^									
ROW UNIT TILLAGE										
Fixed Residue Managers	Available – hybrid tine or no-till dual wheel^									
Narrow Floating Residue Managers	Available – hybrid tine or no-till with depth band dual wheel; Available – in-cab position control & up or down pressure using CleanSweep™ air cylinders									
TRACTOR RECOMMENDATIONS										
Engine Horsepower Range*	280 hp minimum	425 hp minimum								
Minimum Tractor Weight	Refer to Operators Manual									
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 † = CNH Parts sourced item only

2150 EARLY RISER FRONT-FOLD PLANTER

CONFIGURATION			
Rows	12	16	24
Spacing	30 in. (762 mm)		
Section Flex Points	3R-6R-3R	5R-6R-5R	8R-8R-8R
Wing Flex	+/- 21° (42° Total)		
Frame Size	7×7 in. (17.8×17.8 cm)		8×8 in. (20.3×20.3 cm)
Toolbar Operating Height	26 in. (660 mm)		
Transport L × W × H (Includes 2-point Hitch, Bulk Fill With Scales, 2-stage Closing)	33 ft. 7 in.×12 ft. 4 in.×11 ft. 5 in. (10.2 m×3.8 m×3.5 m)		46 ft.×12 ft. 6 in.×11 ft. 8 in. (14 m×3.8 m×3.6 m)
HITCH			
2-Point Hitch	Standard		
Hydraulic Drawbar	N/A	Available	
Rear Tow Hitch With Harnessing	Available – for use with towed fertilizer caddy		
FLOTATION			
Radial Tires	VF 245/70R19.5		VF 295/75R22.5
Tire Arrangement	1-4-1		2-4-2
SEED DELIVERY			
On Row Hopper	Available – 1.9 bu. per row; Available – 3.0 bu. per row		
Bulk Fill (Standard/Optional)	Without scales – 100 bu. total / with individual tank weigh scales – 100 bu. total		Without scales – 120 bu. total / with individual tank weigh scales – 120 bu. total
Electric Drive Vacuum Seed Meter	Standard – vSet® 2 vacuum seed meter with vDrive® electric drive motor		
Seed Tube / Hy Rate Plus/Available WaveVision™	Standard – 10 LED Seed Sensor; Available – WaveVision Seed Sensor for improved accuracy in high dust conditions		
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 internal/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 DOWNFORCE			
Air Downforce	Standard – air downforce with gauge wheel load feedback		
Hydraulic Downforce With Automatic Control	Available – DeltaForce® adds or removes weight automatically, row by row		
CLOSING SYSTEM			
Closing Disk & Press Wheel	Standard – independent 9 in. (228 mm) diameter 0.10 in (2.5 mm) width, smooth inverted closing disks & press wheel; Available – notched closing disks		
V-Press Wheel With Spring	Available – 12 in. (305 mm) diameter × 1 in. (25 mm) width rubber V-Press wheels		
Air Closing	Available – in-cab pneumatic adjustment		
MARKERS			
Markers	Standard – no marker with wing weight brackets for mounting up to 4 suitcase weights; Available – triple-fold, automatic alternating markers with shear bolts.		
HYDRAULIC / ELECTRICAL / AIR SYSTEM			
Hydraulic Direct Drive With Alternator	Standard – planter mounted, hydraulically driven alternator with battery~		
Auxiliary PTO Hydraulic Pump	Available – 22 gpm (83 lpm)^		
Compressed Air	Standard – planter-mounted hydraulic drive compressor with wet lube, 5 gal. (18.92 L) air tank and 2 micron air filter, controlled through Pro 1200		
DISPLAY SYSTEM			
Pro 1200 Display	Pro 1200 control only; Available – 1 or 2 integrated planter mounted cameras^		
FERTILIZER DELIVERY			
Liquid Fertilizer (On Row Seed Hopper Tank, Bulk-fill Seed Hopper Tank, Without Tanks)	Available – 600 gal. (2271 L) tank with on-row seed hopper, 540 gal. (2044 L) tank with bulk-fill seed hopper, or no tank with centrifugal pump & 3 section control through Pro 1200		
Electronic Individual Row Liquid Fertilizer Shutoff	Available – automatic overlap control in sync with seed meter^		
Liquid Fertilizer Per Row Flow Monitor	Available – per row liquid product flow monitoring using EM FlowSense® and required Pro 1200 display		
Liquid Fertilizer Delivery	Available – frame mounted 2×2 15 in. (381 mm) diameter liquid fertilizer coulter^; Available – row unit mounted 2×2 15 in. (381 mm) diameter liquid fertilizer coulter^; Available – dual band Conceal, Available – in-furrow rubber applicator		
In-furrow Delivery	Available – row-by-row overlap control^		
ROW UNIT TILLAGE			
Nonfloating Residue Manager	Available – 13 in. (330 mm) diameter pin adjust tine or no-till wheel without depth band^		
Floating Residue Manager	Available – hybrid tine or no-till with depth band dual wheel; Available – Pro 1200 flotation up/down pressure adjust with CleanSweep® air cylinders		
Tillage Adapters	Available – stern mount or plate mount tillage adapters^		
TRACTOR RECOMMENDATIONS			
Engine Horsepower Range*	155–310 hp	180–380 hp	280–500 hp
Hydraulic System*	High flow or twin-flow hydraulic pump		
Number of Hydraulic Remotes	3 with direct drive, 3 with PTO pump	2-point hitch: 3 with direct drive, 3 with PTO pump; drawbar hitch: 4 with direct drive, 4 with PTO pump	
Maximum Case Drain Port Back Pressure	26 psi (170 kPa)		

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

2150S EARLY RISER FRONT-FOLD TRAILING PLANTER

CONFIGURATION					
Rows	23	24	31	32	24
Spacing	15 in. (381 mm)				20 in. (508 mm)
Section Flex Points	6R-11R-6R	6R-11R-7R	10R-11R-10R	10R-11R-11R	8R-8R-8R
Wing Flex*	+15/-15° (30° Total)				
Frame Size	8 in. × 8 in. (20.3 × 20.3 cm)				
Toolbar Operating Height	26 in. (660 mm)				
Approximate Transport L × W × H (Includes Markers & 2-Stage Closing)	All configurations - 40 ft. × 13 ft. × 12 ft. 3 in. (12.2 × 3.9 × 3.7 m) (Drawbar); 39 ft. × 13 ft. × 12 ft. 3 in. (2-Pt) (11.9 × 3.9 × 3.7 m)				
HITCH					
2-Point	Standard – Category 3N or 3				
Hydraulic Drawbar	Available – Cat 4				
Rear Tow Hitch	Available – for use with towed fertilizer				
FLOTATION					
Tire Arrangement	1-4-1		2-4-2		
Center Section Tires with High Flotation Active Wing Wheels	VF295/75R22.5				
SEED DELIVERY					
Bulk Fill	Standard – 100 bu. total (2 × 50 bushel); Available – 3 LED lighting package; Available – individual tank weigh scales				
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/Available WaveVision™	Standard – 10 LED Seed Sensor; Available – WaveVision Seed Sensor for improved accuracy in high dust conditions				
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 w/ 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 w/ internal scrapers				
Frame w/ Zero Index Depth Adjustment	Standard – cast row unit frame w/ 1/4 in. (6.4 mm) or 1/8 in. (3.2 mm) depth increments				
ROW UNIT DOWNFORCE					
Air Downforce	Standard – air downforce w/ gauge wheel load feedback				
Hydraulic Downforce w/ Automatic Control	Available – DeltaForce™ adds or removes weight automatically, row by row				
WING DOWNFORCE					
Hydraulic Wing Downforce	Standard – none; Available – with in-cab control provides additional downforce to the toolbar wings				
CLOSING SYSTEM					
2-Stage w/ Spring Closing Disk & Spring Press Wheel	Standard – independent 9 in. (228 mm) diameter smooth inverted closing disks & rubber press wheel; Available – notched closing disks				
V-Press Wheel w/ Spring	Available – 12 in. (305 mm) diameter × 1 in. (25 mm) width rubber V-Press Wheels				
Air Closing	Available – in-cab pneumatic adjustment				
MARKERS					
Markers	Standard – wing weight brackets for mounting up to 5 suitcase weights; Available – triple-fold, automatic alternating markers w/ shear bolt; available – no marker no weight brackets				
HYDRAULIC / ELECTRICAL / AIR SYSTEM					
Hydraulic Direct Drive w/ Alternator	Standard – planter mounted, hydraulically driven, powersaving automated control, 200 amp alternator w/battery~				
Auxiliary PTO Hydraulic Pump	Available – planter mounted 22 gpm (83 lpm) PTO pump^				
Compressed Air	Planter-mounted hydraulic drive compressor with wet lube, 5-gal. (18.92 L) air tank and 2 micron air filters				
DISPLAY SYSTEM					
Pro 1200	Pro 1200 control only; Available – 1 or 2 integrated planter mounted cameras^				
FERTILIZER DELIVERY					
Liquid Fertilizer w/ Bulk-Fill Option	525 gal. (1987.3 L) total capacity, 3 section control. Min. 3 gal. per acre application				
Liquid Fertilizer Per Row Flow Monitor	Available – per row liquid product flow monitoring using EM FlowSense® and required Pro 1200 display				
Electronic Individual Row Liquid Fertilizer Shutoff	Available – automated overlap control in sync with the seed meter				
Liquid Fertilizer Delivery	Available – in-furrow applicator; Available – frame mounted 2 × 2 15 in. (381 mm) diameter coulter (only on 30 in. rows)				
ROW UNIT TILLAGE					
Fixed Residue Managers	Available – tine or no-till dual wheel or coulter 25 wave^				
Narrow Floating Residue Managers	Available – hybrid tine or no-till with depth band dual wheel; Available – in-cab position control & up or down pressure using CleanSweep air cylinders; Available – row unit mounted 15 in. (381 mm) diameter cutting coulter^				
TRACTOR RECOMMENDATIONS					
Engine Horsepower Range**	250–340 hp		280–380 hp		250–340 hp
Hydraulic System**	High flow or twin-flow hydraulic pump				
Number of Hydraulic Remotes	2-point hitch: 3 with Direct Drive, 2 with PTO pump; drawbar hitch: 4 with Direct Drive, 3 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.

2140 EARLY RISER PIVOT TRANSPORT PLANTER

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 ft. × 8 ft. (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 ft. 3 in. × 13 ft. 6 in. × 10 ft. 4 in. (13.5 × 4.1 × 3.1 m)		47 ft. 11 in. × 13 ft. 6 in. × 10 ft. 4 in. (14.6 × 4.1 × 3.1 m)	49 ft. 4 in. × 13 ft. 6 in. × 10 ft. 4 in. (15.1 × 4.1 × 3.1 m)	48 ft. 6 in. × 13 ft. 6 in. × 10 ft. 4 in. (14.8 × 4.1 × 3.1 m)	52 ft. 3 in. × 13 ft. 6 in. × 10 ft. 4 in. (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 with vDrive® Electric Drive Motor, row-by-row overlap control capable and curve compensated spacing					
Seed Tube / Hy Rate Plus/Available WaveVision™	Standard – 10 LED Seed Sensor; Available – WaveVision Seed Sensor for improved accuracy in high dust conditions					
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 combination internal/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 DOWNFORCE						
Air Downforce	Standard – air downforce with gauge wheel load feedback					
Hydraulic Downforce 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 smooth inverted closing disks & rubber press wheel; Available – notched closing wheels					
V-Press Wheel With Spring	Available – 12 in. (305 mm) diameter × 1 in. (25 mm) width rubber V-Press wheels					
Air Closing	Available – in-cab pneumatic adjustment					
MARKERS						
Markers	Standard – no marker; Available – triple-fold, automatic alternating markers with shear bolts					
HYDRAULIC / ELECTRICAL / AIR SYSTEM						
Hydraulic Direct Drive With 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	Standard – planter-mounted hydraulic drive compressor with wet lube, 5 gal. (18.92 L) air tank and 2 micron air filter, controlled through Pro 1200					
DISPLAY SYSTEM						
Pro 1200 Display	Pro 1200 control only; Available – 1 or 2 integrated planter mounted cameras^					
FERTILIZER DELIVERY						
Liquid Fertilizer With Bulk-fill Option	Available – 400 gal. (1 514 L) total capacity (2 tanks), 3 section control through Pro 1200. Minimum 3 gal. per acre application. In-furrow delivery. Available – row-by-row overlap control^					
Liquid Fertilizer Per Row Flow Monitor	Available – per row liquid product flow monitoring using EM FlowSense® and required Pro 1200 display					
ROW UNIT TILLAGE						
Fixed Residue Managers	Available – hybrid tine or no-till dual wheel^					
Narrow Floating Residue Managers	Available – hybrid tine or no-till with depth band dual wheel. Available – Pro 1200 flotation up/down pressure adjust with CleanSweep® air cylinders					
TRACTOR RECOMMENDATIONS						
Engine Horsepower Range†	230–340 hp		280–380 hp		250–340 hp	
Drawbar	Category 3 or 4 drawbar with hammer-strap, 6,700 lbs. (3039 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.

2130 EARLY RISER STACK-FOLD PLANTER

CONFIGURATION						
Rows	12				16	18 (16R30 with DIA kit installed)
Spacing	30 in. (762 mm)	36 in. (914 mm)	38 in. (965 mm)	40 in. (1016 mm)	30 in. (762 mm)	
Section Flex Points	3R-6R-3R				4R-8R-4R	5R-8R-5R
Wing Flex	+8/-8° (16° total)					
Wing Turn Assist (Gullwing)	Available – provides additional wing lift when planter is raised for headland turns					
Frame Size	7 in.×7 in. (18 cm×18 cm)					
Toolbar Operating Height	26 in. (660 mm)					
Approximate Transport W×H*	20 ft. 6 in.×11 ft. 1 in. (6.2×3.4 m)	22 ft. 5 in.×13 ft. 2 in. (6.8×4.0 m)		26 ft. 8 in.×13 ft. 10 in. (8.13×4.2 m)		27 ft. 3 in.×13 ft. 11 in. (8.3× 4.2 m)
Weight Empty*	9,500 lb. (4 227 kg)	11,400 lb. (5 182 kg)		11,500 lb. (5 227 kg)	13,500 lb. (6 136 kg)	14,500 lb. (6 590 kg)
LIFT SYSTEM						
Full Mounted	Standard – 3-point hitch Category III or IVN; Category IVN recommended with bulk-fill					
Semi-Mounted	Available – 2-point hitch Category III or IVN with available lift assist wheels					
FLOTATION						
Tire Arrangement	1-2-1, VF 245/70R19 radial tires; configurable to front of toolbar or between rows					
Wheel Lift Assist	Available – castering VF 245/70R19 radial; carries 40% to 45% of planter weight depending on configuration					
SEED DELIVERY						
Seed Capacity	Standard – 1.9 bu. on-row hoppers; Available – bulk-fill single 50 bu. hopper with work lights; Available – 3.0 bu. on-row hoppers					
Electric Drive Vacuum Seed Meter	Standard – vSet 2 vacuum seed meter with vDrive electric drive motor, row-by-row overlap control capable and curve-compensated spacing					
Seed Tube / Hy Rate Plus/Available WaveVision™	Standard – 10 LED seed sensor for improved accuracy across multiple seed types and rates; Available – WaveVision Seed Sensor for improved accuracy in high dust conditions					
Advanced Seed Delivery™ (ASD™)	Available – SpeedTube® belt delivery system for high accuracy at any speed up to 10 mph**					
ROW UNIT						
Headbracket Connection to Toolbar	Welded	Bolt-on			Welded	
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 combination internal/external scrapers					
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 DOWNFORCE						
Air Downforce	Standard – air downforce with gauge wheel load feedback					
Hydraulic Downforce With Automatic Control	Available – DeltaForce® adds or removes weight automatically, row by row					
Wing Downforce	Available – provides additional downforce to the toolbar wings					
CLOSING SYSTEM						
2-Stage With Spring Closing Disk and Spring Press Wheel	Standard – Independent 9 in. (228 mm) diameter smooth inverted closing disks & rubber press wheel; Available – notched closing wheels					
V-Press Wheel With Spring	Available – 12 in. (305 mm) diameter × 1 in. (25 mm) width rubber V-press wheels					
Air Closing	Available – in-cab pneumatic adjustment					
MARKERS						
Markers	Standard – no marker; Available – automatic alternating markers with shear bolts (not available with bulk-fill)					N/A
HYDRAULIC / ELECTRICAL / AIR SYSTEM						
Hydraulic Direct Drive With Alternator	Standard – planter-mounted, hydraulically driven, power saving automated control, 200 amp alternator with battery~					
Compressed Air	Standard – planter-mounted hydraulic drive compressor with wet lube, 5-gal. (18.92-L) air tank and 2 micron air filter - controlled through Pro 1200					
DISPLAY SYSTEM						
Pro 1200 Display	Pro 1200 control only; Available – 1 or 2 integrated planter mounted cameras^					
FERTILIZER DELIVERY						
Liquid Fertilizer Option for Tractor-Mounted Tanks	Available – 3-section control through Pro 1200. Minimum 3 gal. (11.36 L) per acre application; Available – in-furrow delivery, row by row overlap control^					
Liquid Fertilizer Per Row Flow Monitor	Available – per row liquid product flow monitoring using EM FlowSense® and required Pro 1200 display					
RESIDUE MANAGEMENT						
Fixed Residue Managers	Available – hybrid tine or no-till dual wheel^					
Floating Residue Managers	Available – hybrid tine or no-till with depth band dual wheel. Available - Pro 1200 flotation up/down pressure adjust with CleanSweep® air cylinders					
TRACTOR RECOMMENDATIONS						
Engine Horsepower Range**	180–310 hp				180–380 hp	
Hydraulic System**	3 or 4 remotes based on options; high-flow or twin-flow hydraulic pump					

Standard = In base price of the planter Available = Multiple options available * = Equipped with: 2-stage closing, on-row hoppers, floating row cleaner, air compressor, battery; lift assist add 1,500 lb. (680 kg); Bulk-fill add 1,030 lb. (476 kg) empty, markers add 600 lb. (270 kg) and 11" of transport height
** = Varies based on planter configuration, speed, operating conditions, etc. ~ = Battery must be sourced by dealer ^ = Factory-supplied, dealer-installed attachment only

2120 EARLY RISER RIGID TRAILING PLANTER

CONFIGURATION			
Rows	6	8	11
Spacing	30 in. (762 mm)		15 in. (381 mm)
Frame Size	7×7 in. (17.8×17.8 cm)		
Toolbar Operating Height	26 in. (660 mm)		
Approximate Transport L × W × H (Includes Markers)	16 ft. 6 in.×9 ft. 1 in.×17 ft. 8 in. (5.05 m×2.77 m×5.43 m)	24 ft. 6 in.×9 ft. 1 in.×17 ft. 8 in. (7.46 m×2.77 m×5.43 m)	16 ft. 6 in.×9 ft. 1 in.×17 ft. 8 in. (5.05 m×2.77 m×5.43 m)
HITCH			
2-Point Hitch	N/A		
Drawbar	Category III with folding hitch		
Rear Tow Hitch	N/A		
FLOTATION			
Tire Arrangement	Four IF 245/70R19.5 (Rearward mounts on 30 in & Forward mounts on 15 in configurations)		
SEED DELIVERY			
Seed capacity	Standard -1.9 bu. On Row Hoppers, Available - 3.0 bu. On Row Hoppers		3.0 bu On Row Hoppers
Electric Drive Vacuum Seed Meter	Standard – vSet® 2 vacuum seed meter with vDrive® electric drive motor, row by row overlap control capable and curve compensated spacing		
Seed Tube / Hy Rate Plus™/Available WaveVision™	Standard – 10 LED Seed Sensor; Available – WaveVision Seed Sensor for improved accuracy in high dust conditions		
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 combination internal/external scrapers		
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 DOWNFORCE			
Air Downforce	Standard – air downforce with gauge wheel load feedback		
Hydraulic Downforce 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 smooth inverted closing disks & rubber press wheel; Available – notched closing wheels		
V-Press Wheel With Spring	Available – 12 in. (305 mm) diameter × 1 in. (25 mm) width rubber V-Press wheels		
Air Closing	Available – in-cab pneumatic adjustment		
MARKERS			
Markers	Standard – wing weight brackets for mounting up to 6 suitcase weights, Available – single fold, automatic alternating markers		
HYDRAULIC / ELECTRICAL / AIR SYSTEM			
Hydraulic Direct Drive With Alternator	Change to Standard – All configurations		
Auxiliary PTO Hydraulic Pump	Available – tractor mounted 22 gpm (83 lpm) PTO Pump^		
Compressed Air	Planter-mounted hydraulic drive compressor with wet lube, 5 gallon (18.92 L) air tank and 2 micron air filter		
DISPLAY SYSTEM			
Pro 1200	Required for operation; Available – 1 or 2 integrated planter mounted cameras^		
FERTILIZER DELIVERY			
Liquid Fertilizer	Available – planter mounted 2×250 (500 gallon) (1892L) (6 & 8 row only), tractor mounted supply tanks (not supplied) (11 row only), variable rate with standard single section shutoff		
Liquid Fertilizer Per Row Flow Monitor	Available – per row liquid product flow monitoring using EM FlowSense® and required Pro 1200 display		
Electronic Individual Row Liquid Fertilizer Shutoff	Available – automatic overlap control in sync with seed meter^		
Liquid Fertilizer Delivery	Available – in-furrow applicator or frame mounted single disk or double disk opener		
Dry Fertilizer	Available – Planter mounted 6000 lb. (2721kg) or 4500 lb. (2041kg) capacity dry tanks (6 & 8 row only), single section control, variable rate hydraulic drive		
Dry Fertilizer Delivery	Available – frame mounted single disk or double disk opener		
ROW UNIT TILLAGE			
Fixed Residue Managers	Available – hybrid tine or no-till dual wheel^		
Floating Residue Managers	Available – hybrid tine or no-till with depth band dual wheel^, Available – in-cab position control & up or down pressure using CleanSweep™ air cylinders.		
TRACTOR RECOMMENDATIONS			
Engine Horsepower Range*	85–200 hp	100–250 hp	150–250 hp
Hydraulic System*	Standard flow; high flow hydraulic pump		
Number of Hydraulic Remotes	3 with direct drive and Hydraulic Motor Case Drain; 2 with PTO Pump^ Hydraulic Motor Case Drain		3 with direct drive and Hydraulic Motor Case Drain; 3 with PTO Pump^ Hydraulic Motor Case Drain

Standard = In base price of the planter Available = Multiple options available * = Varies based on Planter configuration, speed, operating conditions, etc. ^ = Factory-supplied, dealer-installed attachment only

2110 EARLY RISER RIGID MOUNTED PLANTER

CONFIGURATION										
Rows	6				8				11	15
Spacing	30 in. (762 mm)	36 in. (914 mm)	38 in. (965 mm)	40 in. (1016 mm)	30 in. (762 mm)	36 in. (914 mm)	38 in. (965 mm)	40 in. (1016 mm)	15 in. (381 mm)	
Frame Size	7 in. × 7 in. (18 cm × 18 cm)									
Toolbar Operating Height	26 in. (660 mm)									
Approximate Transport W × H (includes Markers)	19 ft. 4 in. × 9 ft. 10 in. (5.89 m × 2.99 m)	20 ft. 11 in. × 9 ft. 4 in. (6.38 m × 2.84 m)	21 ft. 9 in. × 9 ft. 4 in. (6.63 m × 2.84 m)	22 ft. × 9 ft. 4 in. (6.71 m × 2.84 m)	24 ft. 4 in. × 9 ft. 4 in. (7.42 m × 2.84 m)	26 ft. 11 in. × 11 ft. 4 in. (8.2 m × 3.48 m)	28 ft. 1 in. × 11 ft. 4 in. (8.6 m × 3.48 m)	28 ft. 8 in. × 11 ft. 4 in. (8.74 m × 3.48 m)	19 ft. 4 in. × 9 ft. 10 in. (5.89 m × 2.99 m)	24 ft. 4 in. × 9 ft. 4 in. (7.42 m × 2.84 m)
HITCH										
2-Point	3-point hitch Category III Wide or III Narrow									
Hydraulic Drawbar	N/A									
Rear Tow Hitch	N/A									
FLOTATION										
Tire Arrangement	Two X 7.6 × 15 Goodyear Sure Grip Traction 10-ply-In Between Rows (bolt on frame)									
Wheel Lift Assist	N/A									
SEED DELIVERY										
Seed Capacity	Standard – 1.9 bu. on-row hoppers; Available – 3.0 bu. on-row hoppers								Standard – 3.0 bu. on-row hoppers	
Electric Drive Vacuum Seed Meter	Standard – vSet 2 vacuum seed meter with vDrive electric drive motor, row-by-row overlap control capable and curve-compensated spacing									
Seed Tube / Hy Rate Plus/Available WaveVision™	Standard – 10 LED seed sensor; Available – WaveVision Seed Sensor for improved accuracy in high dust conditions									
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 combination internal/external scrapers									
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 DOWNFORCE										
Air Downforce	Standard – air downforce with gauge wheel load feedback									
Hydraulic Downforce With Automatic Control	Available – DeltaForce® adds or removes weight automatically, row by row									
WING DOWNFORCE										
Hydraulic Wing Downforce	N/A									
CLOSING SYSTEM										
2-Stage With Spring Closing Disk and Spring Press Wheel	Standard – Independent 9 in. (228 mm) diameter smooth inverted closing disks & rubber press wheel; Available – notched closing wheels									
V-Press Wheel With Spring	Available – 12 in. (305 mm) diameter × 1 in. (25 mm) width rubber V-press wheels									
Air Closing	Available – in-cab pneumatic adjustment									
MARKERS										
Markers	Standard – wing weight brackets for mounting up to 6 suitcase weights; Available – single fold, automatic alternating markers									N/A
HYDRAULIC / ELECTRICAL / AIR SYSTEM										
Hydraulic Direct Drive With Alternator	Standard hydraulically driven planter mounted alternator									
Auxiliary PTO Hydraulic Pump	N/A									
Compressed Air	Standard – planter-mounted hydraulic drive compressor with wet lube, 5-gal. (18.92-L) air tank and 2 micron air filter									
DISPLAY SYSTEM										
Pro 1200	Required for operation; Available – 1 or 2 integrated planter mounted cameras^									
FERTILIZER AND CHEMICAL DELIVERY										
Liquid Fertilizer Option for Tractor-Mounted Tanks	Tractor mounted supply tanks (not supplied), single section control. Min. 3 gal. per acre application									
Electronic Individual Row Liquid Fertilizer Shutoff	Available – automated overlap control in sync with the seed meter^									
Liquid Fertilizer Per Row Flow Monitor	Available – per row liquid product flow monitoring using EM FlowSense® and required Pro 1200 display									
Liquid Fertilizer Delivery	Available – In-furrow applicator									
ROW UNIT TILLAGE										
Fixed Residue Managers	Available – hybrid tine or no-till dual wheel^									
Floating Residue Managers	Available – hybrid tine or no-till with depth band dual wheel. Available – in-cab position control & up or down pressure using CleanSweep™ air cylinders									
TRACTOR RECOMMENDATIONS										
Engine Horsepower Range*	85–200 hp				100–250 hp				150–250 hp	
Hydraulic System*	Standard flow; high flow hydraulic pump									
Number of Hydraulic Remotes	3 required with marker option; 2 required without marker option									

Standard = In base price of the planter Available = Multiple options available * = Varies based on planter configuration, speed, operating conditions, etc. ^ = Factory-supplied, dealer-installed attachment only



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CIH25050101

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