

**WHITE**  
P L A N T E R S

THE ART AND SCIENCE OF PLANTING PERFORMANCE. THE 9000 SERIES PLANTERS.

**WHITE**  
P L A N T E R S

**DON'T MISS A THING.**







## **ACCURACY IS EVERYTHING.**

Accuracy is the difference between profit and loss. It's the difference between your field's potential and how much of that potential you harness. In farm life, when you realize you aren't being accurate, it's often too late to go back and make corrections.

Our planters are built to help you achieve and maintain maximum accuracy and precise seed placement. With specific technologies at the crucial points in the planter's operation, our design allows seed to move efficiently and uninterrupted from hopper to placement. We pledge to give you a planter that delivers high-level accuracy and will continue to provide that accuracy consistently.



## ACCURACY BY THE NUMBERS

There are 5280 feet in a mile.

Farmers often plant at approximately 5 MPH.

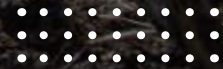
This means the planter will cover roughly 26,400 feet in an hour.

Or 440 feet per minute.

Every second, the planter covers 7.3 feet of ground. With 6-inch seed spacing, 14.6 seeds are put in the ground each second per row. On a 24-row planter, 350 seeds are planted per second.

One seed can produce about 600 kernels. There are roughly 50 plants in a bushel of corn. This means seven bushels of potential yield is being planted every second on a 24-row planter.

In the time it takes to blink, one bushel of crop is planted. A fraction of a second in delay or imprecision and a bushel is lost.



**350  
SEEDS**

**PLANTED  
PER SECOND**  
ON A 24-ROW PLANTER



## MISPLACED SEED IS MISSED OPPORTUNITY.

Multiple studies have shown us the effect of spacing and depth on crop yields. In corn, a change of just 1 inch can mean a loss of more than 2 bushels an acre. In beans, even slight variations in depth can have enormous impact on germination. For the conscientious farmer, accuracy is not a luxury. It's a necessity with bottom-line results.

The best test of a planter's effectiveness is a field check just after the plants emerge. To conduct a field check, simply pull a measuring tape 17.5 feet along a row of emerging plants.\*

1. Are there skips or doubles? Where you find a skip, dig up some of the soil to see if the seed simply failed to emerge.
2. Look at the height of the plants. Is it consistent?
3. How many plants are there? Multiply this number by 1000 and compare it to your target population per acre. Count the doubles as a single plant.
4. 50 plants represent one bushel of corn. Take the difference between your target population per acre and your actual and divide it by 50 to find how many bushels you could be losing per acre because of inaccuracy.

\*Based on 30-inch row width





## SKIPS & DOUBLES

*Skips and doubles in fields hurt yields by causing two plants to share vital resources or leave precious field space unutilized. A skip indicates a space in a row where seed should have been planted but the plant failed to grow. When a double happens, two plants have to share water, sunlight and space meant for one plant. Although there can be many causes for skips and doubles, a common cause is a problem with the planter, meaning a seed failed to drop at the intended time. Often, skips and doubles are caused by a planter that interrupts and inefficiently moves seed from hopper to placement.*

*When skips and doubles occur due to design, it is likely the problem will persist, causing a reduction in plant growth. A skip in one part of the field may also suggest a double planting in another location.*

*Typical causes of skips and doubles are inaccurate seed singulation by the meter and interruption of the seed drop caused by horizontal movement beneath the meter or ricochet inside the seed tube.*



## INCONSISTENT EMERGENCE

*Plant emergence over a wide range of days hurts the entire farming cycle. When some plants grow faster than others, the tallest plants shade the shortest plants, hurting plant development. Even if the plants that emerged at a later date than others do grow to fruition, they are more likely to have varying moisture content, shifting the harvesting schedule and costing the farmer time and money.*

*Timing of emergence is dependent on accuracy of the planter depth and the proper formation of the seed trench. Inaccurate and inconsistent plant depth can cause variation in the timing of plant emergence as can poorly formed or inconsistent seed trenches.*



## UNEVEN SPACING

*Unevenly spaced plants cause imbalanced distribution of sun and water. Just as doubles cause plants to fight for the same sunlight, water and nutrients, unevenly spaced seed also causes irregular distribution of shared resources.*

*Uneven spacing is typically caused by delays in seed releasing from the meter or falling down the seed tube.*







## BUILT FOR ACCURACY.

All planters share basic mechanisms intended to open a trench, singulate seed, drop seed at an intended spacing and depth and close the trench. However, the differences in these designs can have major impacts on accuracy.

**A system for opening the seed trench:** Most planters use a double disc opener. To be accurate, you want a smooth, consistent slit trench.

**The metering system to singulate seed:** Nearly all planters use a disc system. Accuracy can be affected when the disc fails to hold a seed securely, holds seeds at varying distance from each other or causes delays in the dropping of the seed.

**A seed delivery system:** Planter designs vary significantly in where the tube that delivers seed to the trench meets the seed meter. The effect this position has on smooth and consistent movement of seed from meter to trench is one of the most important differences in planter designs and the resulting accuracy of seed spacing.

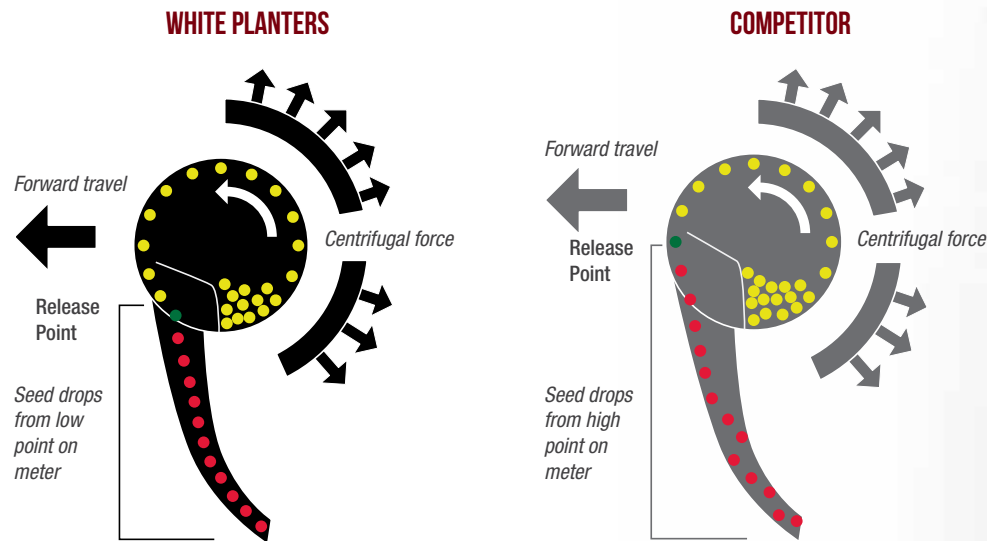
**A system to set, verify and maintain a particular depth:** Planting systems vary in how they set and regulate depth. Depth control is crucial in many crops to achieve maximum yield.

**Wear and maintenance items that must be serviced in order to maintain accuracy:** As there are many different planter systems, there are also differing wear and maintenance items. When systems become worn, they can affect accuracy, ranging from occasional issues to full planter failure.

# THE ART & SCIENCE OF PLANTING PERFORMANCE

The White Planters approach to achieving planting accuracy is to touch the seed as little and as lightly as possible. You won't find strong vacuums or mechanical delivery systems in our planter. Every time you touch the seed, there is a chance for something to get moved, damaged, delayed or shifted out of order. Our goal is to get the seed where it needs to go in the simplest and most practical way. This is a fundamental difference between our planter and many others.

White Planters uses a positive air system instead of a vacuum system. It doesn't require seals that can fail and it uses less energy for accurate operation.



*The edge drop system drops seed slightly forward from vertical. This allows the seed to travel a relatively short distance, mostly in free fall, down through the seed tube. Other planters drop the seed higher and straight down. This allows more opportunity to cause ricochet and misplacement.*

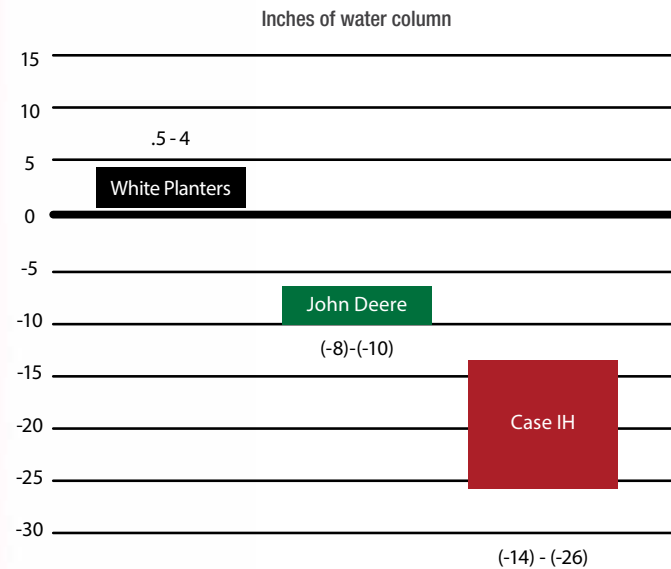
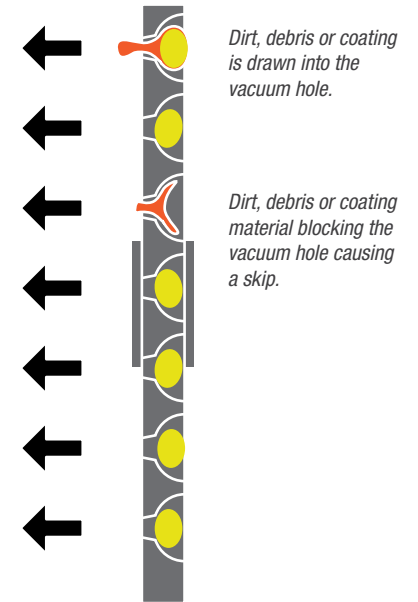




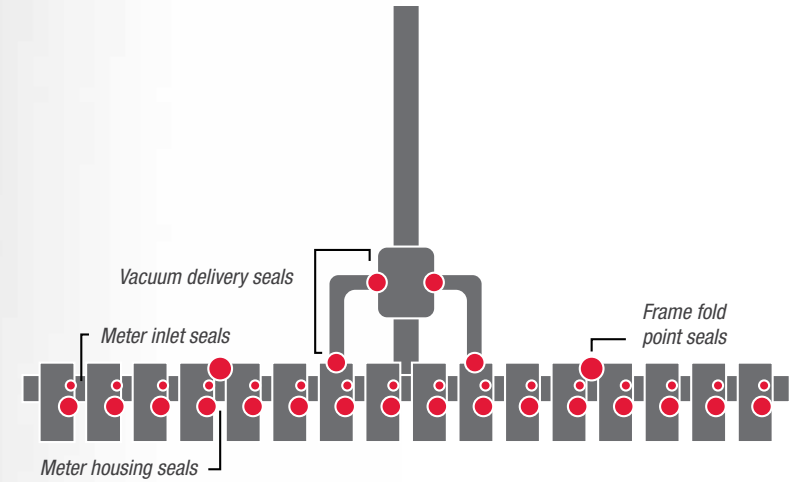
*White Planters seed plates have cells designed to hold seed securely in a set position and relative distance. Some of our competitors have a disc without cells, which means seed can be gripped in different positions, orientations and relative distances to the seed dropped on either side.*

## VACUUM SYSTEMS

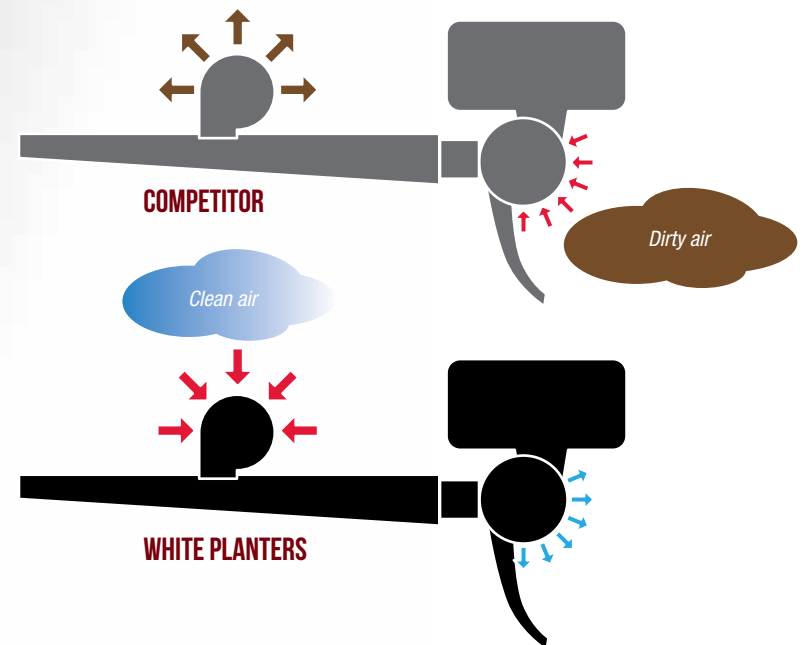
*Vacuum systems using a high degree of suction can draw foreign material (debris in the seed, outside dust and dirt drawn in by the vacuum, seed coatings) through the vacuum hole, causing sticking and delay off the seed plate. Additionally, foreign material may completely block the seed meter holes, causing skips.*



*Vacuum systems consistently require large volumes of hydraulic energy to generate sufficient vacuum for accurate seed singling. Interruptions in hydraulic flow can affect accuracy.*



Air seals can and do wear out over time. In most vacuum systems, even a slight diminishment in vacuum strength can have a significant impact on singulation.

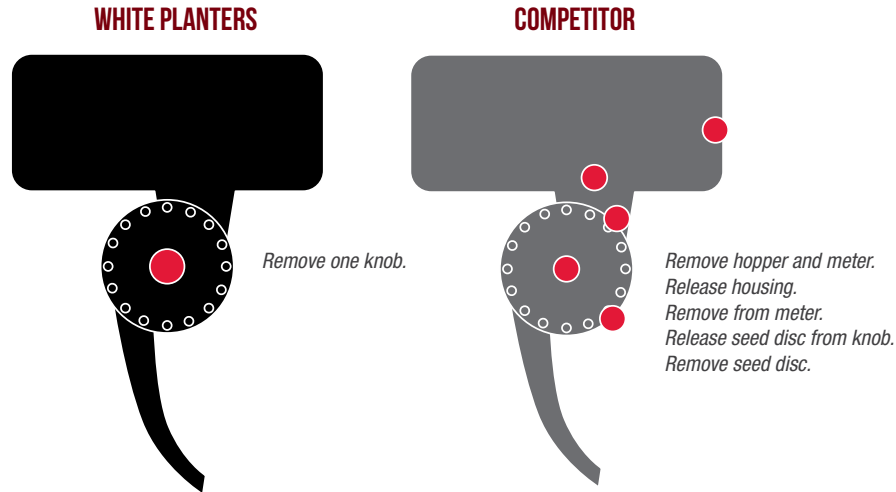


Planters using a vacuum system draw air from the area around the metering unit. In many planting operations, this air includes a significant amount of dust drawn into the planter meter and in or around the seals. This can cause premature wear of seals and components.

White Planters use positive air that is drawn from in front of and above the planter, reducing the likelihood that excessive dust will be pulled into the planter.

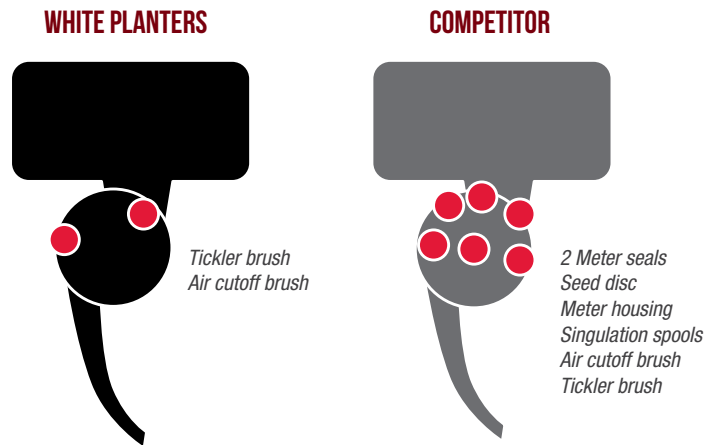
## SEED DISC ACCESS

Seed discs can be changed quickly and simply. On many other planters, the entire hopper must be removed.



## SEED METERING

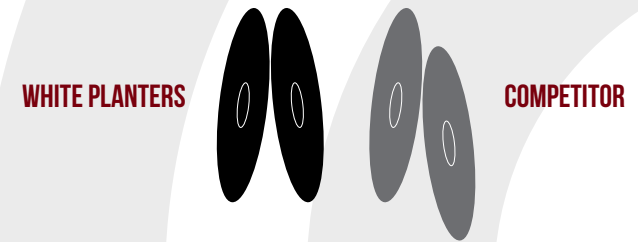
The White Planters meter only has one moving part, and the simple replacement of the brushes keeps your planter dependable and accurate. Our competitors' planters feature gaskets, seals and wear indicators and may even require periodic replacement of the meter housing and seed disc.



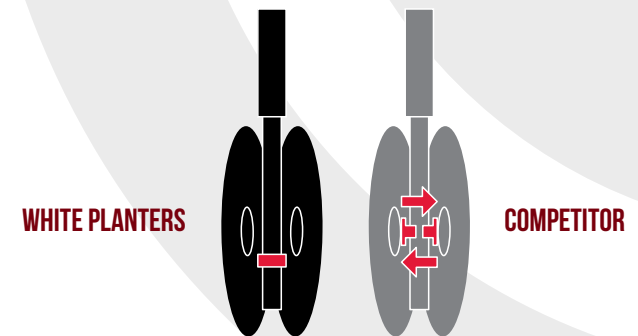
## DISC PLACEMENT

An offset disc design has one disc positioned farther forward on the leading edge of the opener. This can result in uneven wear to the two opener discs, requiring additional maintenance intervals for the differing wearing disc.

The White Planters design features opener discs with opposing bearings so the discs share the cutting duties equally for more consistent seed trench opening and extended functional life of the opener discs.



White Planters use a clip to hold the seed tube securely to the shank. Other designs use wings to hold the seed tube away from the disc openers. Wings can transmit movement from the discs to the seed tube, resulting in inaccuracy.



## THE 9000 SERIES.

The 9000 Series makes some important improvements to our previous designs while preserving simplicity and commitment to unrivaled accuracy.

### SEED METER

*The entry of seed at the lowest area of the seed sump allows gravity to assist in seed pickup and provides greater surface area to pick up seed, producing superior seed singling.*

*The longer tapered entry to the air cut off brush gently lays the seed down for a more consistent retention of the seed in each seed cell.*

### ROW UNIT

*The larger double disc seed trench openers (16-inch) allow for deeper seed placement.*

*New cast row unit assembly removes the flex/ tolerances versus welded construction.*

*The new cast and machined row unit assembly provides strength and precise, consistent alignment of all components.*

### SEED DEPTH ADJUSTMENT AND INDICATOR **A**

*The depth adjustment handle provides adjustment and visual indication of planting depth along all row units from .25 to 4.5 inches in .25-inch increments. Each notch aligned left and right changes the depth .5-inch. Walking the handle one notch at a time, side to side, increases the depth .25-inch. Seed depth placement*

*numbers are molded into the casting, providing a convenient visual indicator of the depth of seed placement (in inches) for each row unit.*

### DEPTH GAUGE WHEEL ADJUSTING LINK **B**

*The gauge wheel depth adjustment mechanism contains a threaded bolt for the calibration of the seed planting depth as the seed trench disc openers wear and the diameter is reduced. The patented calibration system provides confidence the depth indicator is accurate through the entire depth range. Increased yields are experienced as the walking beam gauge wheels equalize the depth of the planted seed between the soil height on the left and right gauge wheel.*



### GAUGE WHEEL ARM SHAFT BUSHING AND SEAL

The new design incorporates non-metallic composite bushings and shaft seals for maintenance-free performance. The seal reduces the ingestion of foreign material into the maintenance-free composite bushings. Extended operating time improves performance and reduces maintenance to increase the productivity of the planter.



### HEAVY-DUTY GAUGE WHEEL ARMS **C**

Additional material has been added to the gauge wheel arms. An increased gauge wheel arm life can be expected in abusive planting conditions. No grease zerks are present in

the gauge wheel arm pivot. The pivot bearings incorporate non-metallic composite bushings and shaft seals for maintenance-free performance. The gauge wheel arm depth stops are cast into the row unit for consistent range of motion between row units.

### BEARING AND HEAVY-DUTY CAST HUB **D**

The new heavy-duty cast hub (retainer) increases the retention of the bearing for greater durability. The new double row ball bearing offers extended bearing life of the seed trench openers.



## HOW IT WORKS.

*Low-pressure positive air enters the seed meter.*

*Seeds are held in each seed cell by the gentle air pressure.*

*The seed meter's one moving part, the seed disc, rotates counterclockwise with a seed retained in each cell.*

*As the cell reaches the tickler brush, excess seed is removed from the cell if more than one seed is present.*

*When the seed advances around the meter, the air cutoff brush gently shuts off the air and holds the seed in place until it reaches the bottom of the seed disc rotation.*

*The exclusive Edge Drop design of the seed disc gently releases the seed, allowing it to free-fall naturally into the seed tube at regular intervals as accurately and consistently as gravity itself.*

*Seed is released in a slight rearward motion permitting the seed to be oriented rearward and fall down the curved seed tube into the seed trench.*

### **ONE METER, MANY CROPS**

White Planters plant nearly any row crop: corn, soybeans, natto beans, sunflowers, edible beans, snap beans, cotton, milo, sugar beets, sorghum or peanuts.

### **POSITIVE AIR DESIGN MEANS NO SEALS TO MAINTAIN**

The exclusive design of the positive air metering system eliminates the need to maintain seals.

### **SEED METER ACCURACY**

The seed release tangent is near the bottom of the seed disc rotation permitting each seed to be released as the seed is traveling downward and slightly rearward in the curvature of the seed tube. Minimal contact of the seed with the seed tube throughout the seed disc speed range provides superior in-row seed spacing and higher yields.







**SIMPLY ADVANCED II**

**A GENTLE AIR PRESSURE**

The air flow dynamics are designed to supply uniform air pressure to all areas of the meter, providing exceptional seed retaining presence in each seed cell, which results in superior seed singling accuracy.

**B EXCLUSIVE EDGE DROP SEED DISC DESIGN**

The translucent seed disc lets you see the seed when the seed disc is installed in the meter. No seals are required. Air is permitted to escape through each seed cell orifice and around the edge of the disc as it rotates in the meter. The Edge Drop seed disc provides uninterrupted seed release for precision singling of a wide variety of crops.

**C CHANGING SEED DISC**

To change from one crop to another, simply remove the large retaining knob and change to the desired seed disc. No tools are required, and there is no need to remove the hopper.

**D SEED METER THROAT**

The seed meter throat accommodates a large volume of seed. Adequate seed flow to the seed disc is of particular advantage in accurately metering large seed or seed with a tacky surface.

**E SEED GATE**

The seed gate controls the seed level in the meter for precise metering of a wide range of seed sizes. The gate also permits shutting off the seed flow to the meter for convenient removal of the seed disc without removing the meter and hopper from the row unit.

**F SEED SUMP**

Seed pick-up starts at the 6 o'clock position. Superior seed pick-up is provided as the combination of air and gravity pulls seed into the seed cell. Seed is exposed to the seed cell for a longer period of time, providing superior seed singling.

**G RELIABLE TICKLER BRUSHES**

Tickler brushes located at the top of the meter remove doubles and gently drop them back into the seed sump.

**H AIR CUT-OFF BRUSH**

The air cut-off brush extends a greater distance from air cut-off to release point, providing positive retention of the seed after singling. The leading edge is tapered away from the perimeter of the meter with a backslash to encourage the seed to lie down and stay in the seed cell until it reaches the release point near the bottom of the seed disc rotation.

**I SEED RELEASE**

Seed is released from the Edge Drop seed disc near the bottom of the seed disc rotation, providing a short seed drop. The short drop minimizes the potential for interference or delay as the seed travels to the seed trench, providing accurate seed spacing.



K

**WHITE**  
PLANTERS

*SIMPLY ADVANCED II*

L

F

I

A

E

H

J

G

D

C

B



# FEATURES

## **A HIGH-RATE SEED SENSORS (STANDARD)**

Accurately monitor a wide range of seed sizes within a wide range of population rates.

## **A SEED-SMART SEED SENSORS (OPTIONAL)**

Seed-Smart sensors learn the size of seeds to monitor accurately very small high-value seeds at high population levels. A popular option with sugar beet growers.

## **B STAGGERED CLOSING WHEELS**

The wheels may be staggered for better residue flow between the closing wheels. Staggering also provides superior seed trench closing capabilities in no-till conditions.

## **C GAUGE WHEEL BEARINGS**

The double-row 40 mm bearings and 16 mm attaching bolt improve the connection between the gauge wheel and the arm. Extended service life of the gauge wheel bearing and attaching hardware can be expected.

## **D SEED CLIP**

The seed tube locating clip positively centers the seed drop tube between the opener discs. The clip reduces the potential of the seed tube contacting the rotating disc openers, which causes seed tube vibration and wear. The absence of seed tube vibration assures a more consistent placement of seed.

## **E EQUALIZER ARM**

The equalizer arm permits lateral adjustment to obtain proper contact between the opener disc and the gauge wheels. Loosening the retaining bolt and turning the 28mm hex adjustment mechanism permits lateral adjustment of the closing wheels against the seed trench openers. The geometry of the row unit to the equalizer arm pivot remains consistent through the full range of adjustment and depth settings.

## **F SEED METER ACCESSIBILITY**

Open-framed row unit allows unrestricted access to the seed meter for meter inspection and changing seed disc.

## **G HEAVY-DUTY DOUBLE DISC SEED TRENCH OPENERS**

The 16-inch disc openers are 3.5 mm thick for longer life and increased durability. The opposing bearing design permits the disc openers to share the cutting duties equally, for extended life and superior cutting action. The opener blades feature double-row 26 mm ball bearings with a heavy-duty cast hub, providing increased retention capacity of the bearing for greater durability and extended service life.

## **H HEAVY-DUTY WHEEL ARMS**

The gauge wheel arm incorporates non-metallic composite bushings and shaft seals for maintenance-free performance. The seal reduces the ingestion of foreign material into the maintenance-free composite bushings. Extended operating time improves performance and reduces maintenance to increase the productivity of the planter.

## **I SEED DEPTH PLACEMENT RANGE**

The depth adjustment handle provides a visual indication of planting depth along all row units from .25 to 4.5 inches in .25-inch increments. Each notch aligned left and right changes the depth .5-inch. Walking the handle one notch at a time, side to side, increases the depth .25-inch. Seed depth placement numbers are molded into the casting, providing a convenient visual indicator of the depth of seed placement (in inches) for each row unit.

## **J CLOSING WHEEL ADJUSTMENT**

Closing wheels incorporate a convenient side-to-side adjustment for alignment with the seed trench, resulting in better seed-to-soil contact for faster seed germination.

## **K SEALED HOPPER LIDS**

A positive lock molded latch ensures a firm attachment of the hopper lid. In combination with the sealed lid, the positive latch stops air from escaping the hopper and the maximizes efficient use of air supplied to the row units.

## **L QUICK-RELEASE METER AND HOPPER REMOVAL**

The hopper mounts into two “C” retainers located at the front of the hopper and retained at the rear by two over-center latches. Simply disengage the seed meter clutch and lift the meter and hopper off the row unit by tipping the meter and hopper forward. No tools are required.





**MODEL LINEUP**

## 9100 SERIES RIGID-FRAME PLANTER

Many operators are looking for a cost-effective planter that can capably handle the wide variety of planting conditions encountered on their operation. The model 9100 planter is engineered to accept a full complement of liquid or dry fertilizer attachments as well as row-unit-mounted or frame-mounted tillage attachments that make it the ideal match for conventional, reduced tillage and no-till planting applications.

The 6-row or 8-row 9100 Series main frame is designed to handle the stress of heavy residue and uneven seedbed conditions. And, with the crop versatility of the White Planters seed metering system, you can quickly change from corn to soybeans by simply changing the seed disc.

### TWO SIZES. MANY CONDITIONS.

Available in 6-row and 8-row sizes, the 9100 Series is capable of providing uniform seed placement in a wide variety of configurations. The White Planters row unit provides outstanding seed placement in conditions that range from conventional through no-till seeding. The rugged planter is engineered to handle capably a wide variety of optional tillage and fertilizer attachments to expand its capabilities. Available with liquid or granular fertilizer attachments.





## 9180 SERIES FORWARD-FOLD PLANTER

Speed, accuracy and efficiency are all key factors within the narrow window of opportunity during planting season. From the moment you enter the field, the 9180 Series is unfolded and in planting mode in a couple of minutes. Once in planting mode, its 16 rows can cover up to a full 40 feet (12.2 m) each pass, allowing you to plant hundreds of acres a day with precision. When you're finished, it quickly folds to a narrow 15 feet (4.6 m) from the convenience of the cab for transport to the next field.

The integral 3-inch-by-3-inch (7.6 cm x 7.6 cm) fertilizer bar provides the ideal platform for mounting a wide selection of optional fertilizer openers. In addition, it enhances the structural integrity of the main frame, making the planter the best choice for challenging no-till conditions. The planter accepts conventional, min-till or no-till fertilizer openers that allow you to place starter fertilizer precisely at the selected depth. Available with liquid or granular fertilizer attachments.



### *Forward-Fold Sequence*

*The 12- and 16-row 9180 Series planters can be folded from field to transport position in a couple of minutes.*

*Both models transport at a narrow 15 feet (4.6 m).*

OPERATING POSITION



TRANSPORT POSITION



# 9200 SERIES WING FOLD PLANTER

Simplicity of transport is a key consideration with any planter. The 9200 Series wings fold forward to attain a transport width that is nearly half of its field working width. Wing fold planters not only transport narrow, when folded they feature a low and stable transport height. Trifold markers provide a well defined mark to follow even in heavy residue conditions.

Available in rigid or flex frame models, the 9200 Series is offered as a 12-row, 30" row width configuration. The 9202 rigid frame offers one contact tire seed drive transmission. The 9222 flex frame features two contact tire seed drive transmissions, one on each half of the planter. No chains are running when the planter is in transport. The absence of drive shafts under the main frame provides optimum under frame clearance for the installation and operation of row-unit-mounted tillage coulters and residue managers.

Row-unit-mounted tillage attachments can be added to prepare a seed zone ahead of the double disc openers. The tillage coulters cut residue and prepare a seed zone to speed soil warm-up and enhance germination rates.

The 9200 Series is equipped with hydraulic wing fold package as standard equipment. The structural design of the wing pivot provides superior strength and durability to accommodate the demands of no-till planting conditions and optional frame mounted fertilizer openers.

The 9200 Series flex frame model hinges at the center, enabling each wing to flex a full 10 degrees. This enables the frame to flex a full 20 degrees up or down, hugging rolling terrain and terraces. If frame flex is not a requirement on your ground, the 9200 Series is available in a rigid frame model with the same full range of features and attachments.

## ROW UNIT FLEXIBILITY

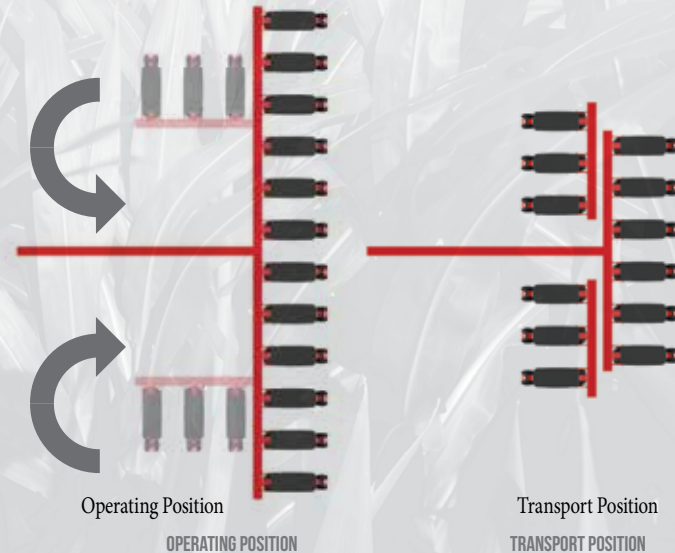
The 9200 Series wing fold planters are designed to accept row-unit-mounted tillage attachments. Optional 3-bushel (0.11 m<sup>3</sup>) hoppers provide a full 50% more planting time between fill-ups.

## SEED DRIVE TRANSMISSION

Each half of the model 9222 flex frame planter features an independent contact tire driven transmission. The model 9202 rigid frame planter is driven by a single contact tire driven transmission.

## LIQUID FERTILIZER

For increased productivity, equip the 9200 Series planter with a liquid fertilizer option with two 200-gallon (757 L) poly tanks. A piston meter pump driven by a contact drive tire dispenses a consistent flow of liquid fertilizer. The ground drive wheels incorporate "float links" providing a smooth, consistent flow of power to the fertilizer pump.









## 9500 SERIES FLEX FRAME

The 9500 Series Central Fill System (CFS) incorporates time-proven design concepts to provide an onboard bulk seed hopper and seed distribution system. The 9500 CFS system allows for more time planting rather than refilling individual hoppers. The 9500 CFS is designed for planting corn, soybeans, milo, popcorn and wheat.

The 9500 Series offers a full line of frame and row spacing options that let you tackle a wide range of planting applications. Available in row widths of 15 inches (38 cm), 20 inches (51 cm) and 22 inches (56 cm), on frames that range from 30 to 45 feet (9.1–13.7 m), the 9500 Series is ideally suited to planting a variety of crops that include corn, soybeans and sugar beets. When you're ready to switch from soybeans (15 inches/38 cm) to corn (30 inches/76 cm) corn, simply lock up the split rows and quickly change the seed discs. With White Planters, changing from one crop to another is quick and simple.

Each wing offers an 8-degree flex up or down for a total of 16-degree flex across the width of the frame. Ample flex permits the planter to hug rolling terrain and maintain accurate seed depth the entire working width of the machine. Combine this flexibility with the ability to fold for transport in a couple of minutes and you have a multi-crop planting system designed to get to the field and get the job done.

The 9500 CFS can be configured to plant fields of seed corn or refuge corn (non-Bt). Simply replace the meter cover on specific rows on the outer wings with the 2-bushel or 3-bushel hoppers.

### ADJUST POPULATION ON THE GO (APPLIES TO ALL HYDRAULIC DRIVE MODELS)

Every 9500 Series model features variable-rate technology as standard equipment using an ISOBUS-compliant terminal. As you incorporate AGCO technology solutions into your farming operation, you can upgrade the ISO planter to include advanced site-specific planting capabilities.

### ONE PLANTER. MANY APPLICATIONS.

The 9500 excels at conventional, min-till and no-till farming practices. The unit is designed to accept a wide variety of row-unit-mounted tillage attachments.

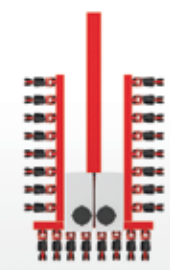
### 9500 FRAME FOLD (APPLIES TO ALL CFS MODELS)

The forward-fold frame design features hydraulically controlled folding of the planter frame from field to transport in a matter of seconds.

A small volume (1/8 bushel, 4404.8 cm<sup>3</sup>) of seed is maintained at each meter and replenished automatically assuring accurate seed metering.



OPERATING POSITION



TRANSPORT POSITION  
*(9524-22 shown)*



# 9700 SERIES STACKER TOOLBAR PLANTERS

The innovative folding mechanism of the 9700 stacker toolbar planter hydraulically lifts the outer wings over the center section, keeping the chemical and seed hoppers upright for transport. Rear fold markers are low-profile and minimize transport height when in the folded position.

When in the planting mode, the outer wings flex 5 degrees up and 5 degrees down to provide accurate seed depth control the full width of the machine in rolling terrain.

The wings can also be pinned rigid for planting on beds or to provide precise row width for specialty crop harvesters. Each wing and the center frame section of the 12- and 16-row stacker toolbar planter feature an independent transmission, providing consistent seed-to-seed spacing the full width of the planter.

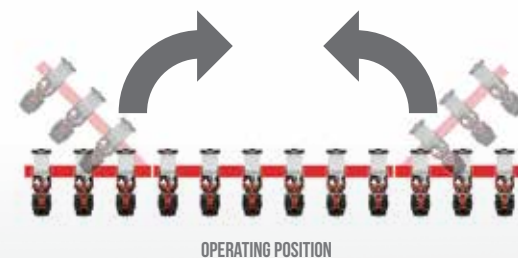




## 9700 SERIES RIGID & VERTICAL-FOLD PLANTERS

Each 3-point hitch mounted planter is unmatched in maneuverability and the ability to place corn, soybeans, cotton, sugar beets, peanuts, snap beans and edible beans accurately in conventional tillage and specialty crop applications.

The design of the 9700 Series makes it ideally suited for applications that include conventional tillage, ridge-till, planting on beds and other applications that do not require a planter-mounted fertilizer attachment.



OPERATING POSITION



TRANSPORT POSITION





## 9800 NARROW-TRANSPORT PLANTERS

Models 9812, 9816 and 9824-30 feature a narrow transport width of 12 feet (3.7 m). The Model 9812 is offered in 12-row, 30-inch row spacing. The 9816 is offered as 16-row, 30-inch row spacing, and the model 9824-30" is offered as a 24-row, 30-inch row spacing. Each model is available as ground drive or hydraulic drive, and they conveniently fold from planting position to transport position without leaving the tractor cab.

These models combine the advantages of the White Planters positive air seed singling accuracy with the convenience of narrow transport.

### LIQUID FERTILIZER OPTION

The 750-gallon (2839.1 L) liquid fertilizer attachment may also be combined with these models equipped with 2- or 3-bushel (0.07 or 0.11 m<sup>2</sup>) seed hoppers. Double disc or single disc side knife liquid fertilizer openers may be used in combination with row-unit-mounted tillage coulters. An available factory-installed single piston pump and flow divider accurately meters fertilizer to each fertilizer opener on the models 9812 and 9816. A double piston pump and two 12-row flow dividers are offered for the model 9824.

The model 9812 offers a 300-gallon liquid fertilizer attachment in combination with the Central Fill System.

### CENTRAL FILL SYSTEM (CFS)

When equipped with CFS, the models 9812, 9816 and 9824 provide two 45-bushel (1.6 m<sup>3</sup>) translucent polyethylene hoppers for extended planting between fill-ups and greatly reduce fill-up time. Convenient steps and platform are located at the rear of the planter for access to fill the hopper with seed.

### FRAME STYLE

The 9812, 9816 and 9824 planters from White Planters feature a three-section frame providing exceptional frame durability with user-friendly attachments including row-unit-mounted tillage attachments. The choice of a two-point hitch or drawbar hitch is offered on the 9816 and 9824. Two-point hitch is standard on the model 9812.

### TRANSPORT

Moving from field to field is more convenient than ever with the narrow transport width of only 12 feet (3.7 m).

### WING FLEX

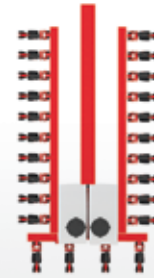
The 30-inch-row-width 9800 Series planters feature wing flex of 21 degrees up and 21 degrees down to provide uniform row unit depth control across the width of the planter in varying terrain.

### FLEX SHAFT SEED METER DRIVE WITH ELECTRIC CLUTCH (OPTIONAL)

The models 9812, 9816 and 9824 feature a "Plug and Play" individual automatic row shut-off system (in combination with a GPS receiver) to control the electric clutches. The weatherproof flex shaft provides a maintenance-free operation of the seed meter. The flex shaft provides trouble-free operation when planting into standing residue.



OPERATING POSITION



TRANSPORT POSITION  
(9824 shown)





## 9831 CFS NARROW-TRANSPORT PLANTER

The 31-row, 15-inch (38 cm)/16-row 30-inch (76 cm) model 9831 CFS Planter features a unique frame specifically designed to save you time and improve productivity. For starters, it folds to a narrow transport width of 12 feet, 11 inches (4.0 m) in just minutes, helping you get from field to field quickly and easily. Furthermore, you can count on a generous 33 inches (83.8 cm) of ground clearance to get through rolling terrain. This under-frame clearance also gives you more room for routine maintenance.

### UNDERCARRIAGE PROVIDES EVEN MORE FLEXIBILITY

The undercarriage itself is unique to the industry. Two trunnion-mounted hydraulic cylinders lift the planter. In the planting mode, the planter lifts the row units 8 to 10 inches (20.3 – 25.4 cm) above the ground to turn conveniently after each pass across the field. In the transport mode, the planter lifts to its full height for folding the wings.

### WING SECTION

Each wing section consists of nine row units, with 13 row units on the center section. To plant 30-inch (76 cm) corn rows, simply lock up the split rows, leaving five row units on each wing section and six row units on the center section.

### CENTRAL FILL SEED DISTRIBUTION

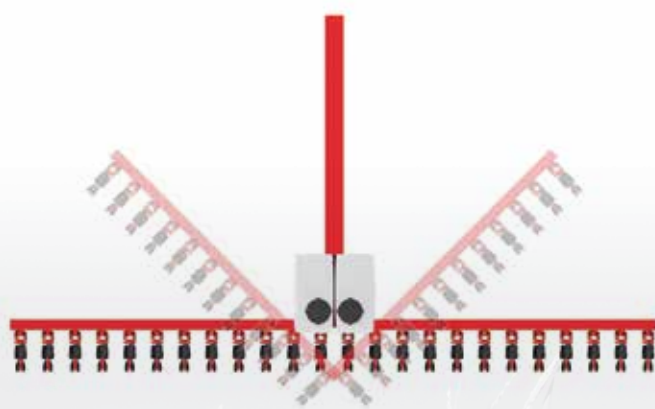
The 9831 CFS Planter features the same onboard bulk seed distribution system you'll find on the 9500 Series and 9812, 9816 and 9824 Central Fill System. The system includes two 45-bushel (1.6 m<sup>3</sup>) translucent polyethylene hoppers for a total capacity of 90 bushels (3.2 m<sup>3</sup>). Each poly hopper sits on a mixing chamber where air and seed are mixed and discharged via a high-capacity blower to individual row units. This proven system saves you from having to fill each individual hopper, so you can spend your valuable time planting instead of refilling.

The 9831 CFS is ideal for planting corn, soybeans, milo, popcorn and wheat. The split rows can be quickly lifted and locked in place to go from 15-inch (38 cm) narrow rows to standard 30-inch (76 cm) rows. Hydraulic-drive variable-rate seed metering offers a full range of seeding rates. Standard ISO CAN-based variable rate hydraulic drive varies the seeding rate through your predetermined seeding plan, communicating DGPS position and instructing the planter controller automatically as you move across the field from one grid to another.

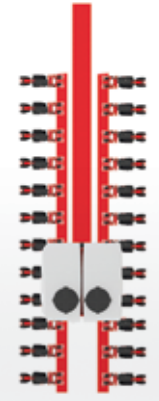
### FLEXING ITS WINGS

The 9831 CFS is classified as a forward fold but offers the additional benefits of a three-section flex frame, meaning the outer wings flex as they encounter uneven terrain instead of the center serving as the only pivot point. This design leads to uniform contact with the ground for more accurate seed placement. The frame also distributes the weight of the planter evenly over the tires, reducing tongue weight and stress on the tractor drawbar.





OPERATING POSITION



TRANSPORT POSITION



# 9936 LF

The 9936-20, 9936-22 and 9936-30 feature the latest in engineering innovation to assure the largest seed and fertilizer carrying capacity with the largest rubber track footprint, providing exceptional flotation. You'll be first in the field this coming spring with the biggest planter and most planting efficiency offered for row crop farming.

## FRAME

The 9936-30 features a five-section flex-frame in drawbar tow-behind design that flexes 42 degrees left and right of the center section. The 9936-20 and 9936-22 feature a three-section flex-frame in drawbar tow-behind design that flexes 21 degrees left and right of the center section.

## CARRYING CAPACITY

Two 75-bushel Central Fill System (CFS) seed hoppers provide 150-bushel seed hopper capacity for extended planting time between fill-ups.

## SEED DRIVE

The hydraulic seed drive not only provides an infinitely variable seeding rate, but also prescription mapping capabilities. The three-section disconnect provides in-cab control of left wing, center and right wing.

## NARROW TRANSPORT

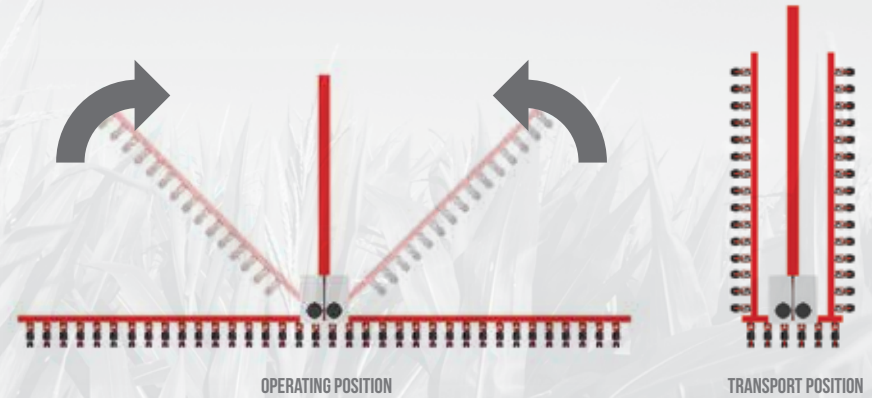
The three 9936 models offer the advantages of the White Planters positive air seed singling accuracy with the efficiency of the Large Frame (LF) planter acre eating capability. In addition, the LF planter conveniently and quickly transitions from planting to transport.

## PREPARING FOR TRANSPORT

The row units on the wings rotate up to fold for transport. Each two-section wing is then folded forward.

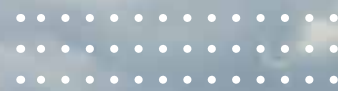
## TRANSPORT

The planter folds from planting to transport position and the wing gauge wheels are retracted for a convenient 15-foot transport width with ground clearance of 18 inches.



## RUBBER TRACKS

30-by-67-inch (762 x 1,702mm) rubber tracks provide a large footprint for exceptional flotation. Plant root development is unrestricted by the minimal compaction of the LF planter.







## OPTIONS, ATTACHMENTS & SPECIFICATIONS



## OPTIONS AND ATTACHMENTS



### **SINGLE DISC FERTILIZER OPENER/LIQUID INJECTOR**

Designed for no-till, minimum till and conventional tillage operations, this single disc fertilizer opener/liquid injector features a spring-mounted tine injector nozzle for liquid fertilizer application. Liquid fertilizer is placed in the soil without the use of a knife, providing plug-free operation.



### **SINGLE DISC FERTILIZER OPENER/SIDE KNIFE LIQUID OR GRANULAR FERTILIZER APPLICATION**

Designed for no-till and minimum tillage applications, this single disc fertilizer opener features an austempered side profile knife to place fertilizer up to 4 inches (102 mm) deep, providing effective placement of fertilizer with minimal adjustment.



### **SINGLE DISC FERTILIZER OPENER/TRAILING KNIFE LIQUID OR GRANULAR FERTILIZER APPLICATION**

Designed for no-till planting conditions, this 17-inch (432 mm) disc and knife work well in firm, no-till soil that has residue on the soil surface. The disc cuts residue at the soil surface, and the trailing knife places the fertilizer with minimum soil disturbance.



### **DOUBLE DISC FERTILIZER OPENER FOR LIQUID OR DRY FERTILIZER APPLICATION**

Designed for conventional and minimum tillage applications. Two 13.5-inch (343 mm) diameter discs are C-spring mounted to an adjustable clamp.



	9100	9180	9200	9500	9700 TOOLBAR	9700 STACKER	9800	9831	9936
	RIGID	FLEX	FLEX/RIGID	FLEX	RIGID	FLEX	FLEX	FLEX	FLEX
<b>ROW UNIT ATTACHMENTS</b>									
Angled Rubber Closing Wheels	X	X	X	X	X	X	X	X	X
Angled Cast Closing Wheels	X	X	X	X	X	X	X	X	X
Single "V" Trench Press Wheel (4")	X	X	X	X	X	X	X	X	X
Standard-Duty Down Pressure Springs	X	X	X	X	X	X	X	X	
Heavy-Duty Down Pressure Springs	X	X	X	X	X	X	X	X	
Pneumatic Down Pressure System			X	X	X	12RW, 16R	X		Std
Flex Shaft Seed Meter Drive with Auto Row Shut-Off			X	24R		12W, 16R	X		Std
<b>ROW-UNIT-MOUNTED TILLAGE</b>									
Tillage Coulters	X	X	X	X	X	X	X	X	X
Residue Managers (30"-40" Row Spacing)	X	X	X	X	X	X	X		X
Tillage Coulters/Residue Manager Combo (30"-40" Rows)	X	X	X	X	X	X	X		X
Trash Masters (30"-40" Row Spacing)	X	X	X	X	X	X	X		X
Bed Leveler (30"-40" Row Spacing)	X	X	X	X	X	X	X		X
<b>FRAME-MOUNTED TILLAGE</b>									
Tillage Coulters	X	X			X				
Residue Managers	X	X			X				
Tillage Coulters/Residue Manager Combo	X	X			X				
Strip-Ridge Till	X	X			X				
<b>OTHER OPTIONS/ATTACHMENTS</b>									
Liquid Fertilizer	X	X	X				X		X*
Granular Fertilizer	X	X							
Heavy-Duty Flat-Fold Row Markers	8R	X	Std	Std	X		Std	Std	20" & 22"
Rear-Fold Low-Profile Markers						X			
Hydraulic Variable Rate Seed Drive			Optional on 9222	Std	12R	12RW, 16R	X	Std	Std
ISOBUS Ready			X	X	Hyd Drive Models	Hyd Drive Models	X	X	X
Hydraulic PTO Pump	X	X	X	X	X	X	X	X	

\* Frame-mounted fertilizer openers not available on the 9936

# ROW UNIT ATTACHMENTS



## COMBINATION RESIDUE MANAGER/BLADE

Finger wheels or SharkTooth™ wheels clear seedbed of loose residue while blade works seedbed path. Simply pin the residue wheels up to use the tillage couler alone.



## TILLAGE COULTER

The row-unit-mounted couler mounts directly to the face of the row unit and aligns directly ahead of the disc openers. The couler and the row unit both work off the same parallel links for a precise alignment and depth relationship. The constant alignment of the couler and disc openers ensure that the seed is placed in a seed trench with no air space below the seed that could cause poor seed-to-soil contact and slow germination.



## FLOATING RESIDUE MANAGER

13-inch (330 mm) SharkTooth™ wheel and depth bands provide aggressive residue movement from the path of the row unit. The unit-mounted residue wheels float over the surface, and the depth bands assure the right depth of operation and prevent gouging or furrowing of the soil. Floating Residue Managers with finger wheels are also available.



## FINGER RESIDUE MANAGER

Ideal for medium to high residue levels, the 13-inch (330 mm) diameter steel finger wheels clear residue away from the seed opener. Adjusts in .25-inch (6 mm) increments so you can set it low enough to move residue aside, yet high enough to avoid creating an unwanted trench.



## STANDARD-DUTY DOWN PRESSURE SPRINGS

Provide 5 to 115 lbs. (2 to 52 kg) down pressure. Recommended for improving row unit stabilization and penetrating moderate soil conditions.



## PNEUMATIC DOWN PRESSURE SYSTEM

Provide 30 to 400 lbs. (14 to 181 kg) down pressure. Consists of a central air compressor and a single air bag located between the parallel arms of each row unit. The air pressure downforce of all row units is conveniently controlled from one location providing consistent downforce to all row units. Available on select models.



## FLEX-SHAFT SEED METER DRIVE WITH ELECTRIC CLUTCH

The drive is placed on each row. It is sealed to provide protection from the elements and provide trouble-free operation. Each drive incorporates an electric clutch controlled through GPS signal that deactivates the clutch to avoid planting into the headland on irregularly shaped fields. The electric clutch system also shuts off rows on straight or angled waterways.







## CLOSING WHEELS



### ANGLED RUBBER PRESS WHEELS

Improve seed-to-soil contact in heavier soil and moderate no-till conditions. Adjust wheels by offsetting them or changing width from 1.25 to 2.88 inches (32 to 73 mm) for improved performance at various seed depth and soil conditions. Adjustable down pressure: 50 to 133 lbs. (23-133 kg)



### ANGLED CAST-IRON PRESS WHEELS

Great for closing the toughest seed trench. Recommended for tough no-till. Adjust wheels by offsetting or changing width for improved performance in high-residue and no-till conditions. Adjustable down pressure: 115 to 310 lbs. (52-141 kg)



### SINGLE V TRENCH PRESS WHEEL

Firms both sides of the seed trench in mellow soil conditions. Advantageous for shallow planting in tilled soil. The center of the seed trench is capped for a soft top. Adjustable down pressure range is 50 lb. to 133 lb. (23-133 kg)

## TILLAGE COULTERS



### 5/16" RIPPLE BLADE

Creates little soil disturbance and operates well at all speeds. It provides a narrow seed trench of less than 3/4 inches (19 mm). For heavy residue or sod, this slices through the toughest conditions.



### 3/4" BUBBLE BLADE

Wedges soils apart to provide a V seed trench and operates well at most speeds. It provides a seed trench profile of less than 3/4 inches (19 mm) in the bottom to 1 1/4 inches (32 mm) on the top. Works well in compacted soils with high residue.



### 7/8" 8, 13 OR 25-FLUTE BLADES

The 13-flute provides aggressive soil and residue mixing. The 25-flute is less aggressive. Both operate well at most speeds. They provide a seed trench width of 7/8 to 1 1/4 inches: (22 to 32 mm). Cuts through residue very well and ideal for medium soils.

## FERTILIZER METERING & OTHER ATTACHMENTS

### A PISTON PUMP

The variable stroke, double-acting, single or double piston metering pump dispenses a consistent flow of liquid fertilizer. All internal parts that come in contact with fertilizer are stainless steel.

### B FLOW DIVIDER PACKAGE

The piston pump flow divider provides optimum liquid fertilizer metering accuracy to each fertilizer opener. The application rate per acre remains constant over a wide range of planting speeds.

### C DRIVE WHEEL ROCK GUARD

Protects drive chain from rocks and root balls.

### D DISC TRASH MASTER

Two 12-inch (305 mm) diameter solid discs clear a clean path in front of the seed openers, moving residue

to the side to avoid hair pinning residue into the seed trench. Adjusts in 1/4-inch (6 mm) increments.

### E BLOWER INLET SCREEN

Protects blower system from pulling residue into the air system.



# MONITORS AND TECHNOLOGY

## ISOBUS MONITOR SYSTEMS

Harness the full potential of White Planters with the ISOBUS-Ready system. ISOBUS provides a single-point connection for seed drive control and seed monitor functions and places the controls inside the cab at the operator's fingertips. ISOBUS is an industry standard that enables single-point connection not only to AGCO-manufactured tractors, but any tractor that incorporates ISOBUS technology.

### C3000 TERMINAL/MONITOR

Features a highly visible touch screen with icon-based user interface on the 12.1-inch color display. 4-channel map-based variable rate planting automatically adjusts planting/seeding rates using Global Navigation Satellite Systems for ISO-controlled planters.

The Auto Row Shut-Off feature controls up to 24 sections of individual rows or 36 rows of dual row control. Compatible with the Auto-Guide 3000.

### C1000 TERMINAL/MONITOR

Controls and monitors ISOBUS planters on the 7-inch color display with soft key operation. 4-channel map-based variable rate planting automatically adjusts planting/seeding rates using Global Navigation Satellite Systems for hydraulic seed drive. Compatible with Auto-Guide 3000.

## MONITORS

### SM400SE SEED POPULATION MONITOR

Monitors up to 24 rows of high-rate sensors. The user selects the type and number of parameters to be monitored.

### SM300 SEED POPULATION MONITOR

Monitors up to 8 rows of high-rate seed sensors. The Liquid Crystal Display (LCD) provides row information in bar graphs, gauges or flashing bar segments.

### SM100 SEED FLOW MONITOR

Monitors up to 8 rows of high-rate seed sensors and features an automatic sensor to detect seed flow. LED row indicators display the status of each seed sensor on the planter.



MODEL FAMILY Frame Type	9100 RIGID pull-type, rigid, single bar	9180 FORWARD-FOLD pull-type, horizontal forward-fold flex, single bar, 2-section	9200 WING-FOLD pull-type, horizontal forward wing-fold rigid or flex, single bar, 2-section	9500 FLEX-FRAME <sup>1</sup> pull-type, forward wing-fold, flex, single bar <sup>1</sup> ; 3-section	9700 RIGID mounted, rigid, single bar
Rows/Spacing Available	6R30, 8R30	12R30, 16R30	12R30	12R30/23R15FN, 24R20, 24R22, 16R30/31R15FN	8R30, 12R30
Hitch on Planter Frame Flex	Adjustable Clevis none	2-Point hitch, ASAE Category II or III 7" up/ 7" down	Adjustable Clevis 10" up/10" down on flex model	Adjustable Tab Hitch 8" up/8" down	Adjustable ASAE Category II or III none
Frame Size in (mm)	7 x 7 (178 x 178)	7 x 7 (178 x 178)	7 x 7 (178 x 178)	7 x 7 (178 x 178)	7 x 7 (178 x 178)
Planting Capabilities	Conventional till No-till Ridge-till	Conventional till No-till Ridge-till	Conventional till No-till	Conventional till No-till	Conventional till No-till Ridge-till
Drive - Standard	ground chain & sprockets	ground chain & sprockets	ground chain & sprockets	ISO CAN-based variable rate hydraulic drive	ground chain & sprockets
Drive - Optional	none	none	none	none	ISO CAN-based variable-rate hydraulic drive on 12 row
Transmission - Standard	Quick-adjust, center-mounted. Interchangeable sprockets provide 32 settings to obtain seed rate increments of less than 4%.	2 transmissions, 1 on each wing, Quick-adjust. Interchangeable sprockets provide 32 settings to obtain seed rate increments of less than 4%.	Flex-frame: 2 transmissions, 1 on each wing Rigid frame: Single transmission Quick-adjust, interchangeable sprockets Provide 32 settings to obtain seed rate increments of less than 4%.	Hydraulic controller & motor with infinite population settings	Quick-adjust, center-mounted. Interchangeable sprockets provide 32 settings to obtain seed rate increments of less than 4%.
Lift System	wheel module w/hydraulic cylinder	wheel module w/hydraulic cylinder	wheel module w/hydraulic cylinder	wheel module w/hydraulic cylinder	tractor three-point hitch
Number	4	4 on 12R, 8 on 16R Optional 6 or 8 on 12R	6	6 on 23R, 8 on 16R, 8 on 24R, 8 on 31R	tractor 3 pt + optional rear lift assist
Tires					
Transport Tire Size	9.5L-15, 6 ply	9.5L-15, 12 ply	9.5L-15, 12 ply	31x13.5L-15, 12 ply	9.5L-15, 6 ply
Number of Trans Tires	4	2 on 12R, 4 on 16R	4	4	-
Total Tires per Planter	4	4 on 12R, 8 on 16R	6	8 (6 on 23R)	2 (4 on 12R 30")
Optional	-	Addl 2 Trans & 2 Drive on 12R	-	-	2 on lift assist models
Metering Units	9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower
Blower Drive - Standard	direct drive from tractor remote valve	direct drive from tractor remote valve	direct drive from tractor remote valve	direct drive from tractor remote valve	direct drive from tractor remote valve
- Optional	pto-driven hydraulic pump	pto-driven hydraulic pump	pto-driven hydraulic pump	pto-driven hydraulic pump & reservoir	pto-driven hydraulic pump on ground drive models
Hopper Capacities Seed Hopper <sup>2</sup> bu (L)	2 or 3 (70.5 or 105.7)	2 or 3 (70.5 or 105.7)	2 or 3 (70.5 or 105.7)	23R, 31R: CFS 90 (31720, 2@45 (1586) 24R: CFS , 2 or 3 (70.5 or 105.7)	2 or 3 (70.5 or 105.7)
Fertilizer Capability	liquid or granular	liquid or granular	liquid	none	none
Markers - Standard	"vertical rigid arm on 6RN vertical bifold on 8R" flat fold breakaway for 8R	vertical bifold on 12R vertical bifold w/ extension on 16R flat fold breakaway on 12R trifold breakaway on 16R	trifold	flat fold breakaway on 23R trifold on 16R, 24R & 31R none	vertical bifold arm flat fold breakaway
Optional			none		
Remote Control Valve Requirements	2 for tractor hydraulic-driven blower 1 with pto-driven blower pump	3 for tractor hydraulic-driven blower 2 with pto-driven blower pump	3 for tractor hydraulic-driven blower 2 with pto-driven blower pump	3 for tractor hydraulic-driven blower 2 with pto-driven blower pump	2 for tractor hydraulic-driven blower 1 with pto-driven blower pump
Monitor - Standard	SM100	SM400SE	C1000	C1000	SM100 up to 8R, SM400SE on 12R ground drive, C1000 on 12R hydraulic drive
Optional	SM300	C1000 or C3000	C3000	C3000	SM300 up to 8R, C3000 on 12R hydraulic drive
Sensors - Standard	High Rate	High Rate	High Rate	High Rate	High Rate
Optional	none	Seed Smart	Seed Smart	Seed Smart	Seed Smart on 12R
ISOBUS-Ready	No	No	Yes	Yes	Yes, when equipped with hydraulic drive option
Transport Width ft (m)	6RN - 16'1" (4.90) 8RN - 20'9" (6.32)	12RN & 16RN - 15' (4.57)	16'4" (4.98)	23R15 & 31R15 - 16'8" (5.08) 24R20 - 16'3" (4.95) 24R22 - 15'8" (4.78)	8RN - 20'9" (6.32) 12RN - 30'9" (9.37)

9700 VERTICAL-FOLD mounted, vertical-fold, single bar	9700 STACKER TOOLBAR mounted, stack fold, single bar	9812 Narrow Transport	9816 Narrow Transport	9824 Narrow Transport	9831 Narrow Transport/Narrow Row	9936 Large Frame - Flex
12R30	12R30, 12R36, 12R38, 12R40, 16R30	12R30	16R30	24R30	31R15/16R30FN	36R20, 36R22, 36R30
Adjustable ASAE Category II or III 7' up/ 0' down	Adjustable ASAE Category III or IIIN 5' up/ 5' down or pin rigid	2 pt or drawbar 21' up/ 21' down	2 pt or drawbar 21' up/ 21' down	2 pt or drawbar 21' up/ 21' down	Adjustable Tab Hitch 10' up/ 10' down	Drawbar Swivel Hitch 36R-30" = 42° each wing (2 section wing), 36R-20" & 36R-22" = 21° degrees each wing
7 x 7 (178 x 178)	7 x 7 (178 x 178)	7 x 7 (178 x 178)	7 x 7 (178 x 178)	7 x 7 (178 x 178)	7 x 7 (178 x 178)	7 x 7 (178 x 178)
Conventional till No-till Ridge-till	Conventional till No-till	Conventional till No-till	Conventional till No-till	Conventional till No-till	Conventional till No-till	Conventional till No-till
ground chain & sprockets	ground chain & sprockets	Ground Drive Chain and Sprockets	Ground Drive Chain and Sprockets	Ground Drive Chain and Sprockets	ISO CAN-based variable rate hydraulic drive	ISO CAN-based variable rate hydraulic drive
ISO CAN-based variable-rate hydraulic drive	ISO CAN-based variable-rate hydraulic drive (8792 and 8776)	ISO CAN-based variable-rate hydraulic drive	ISO CAN-based variable-rate hydraulic drive	ISO CAN-based variable-rate hydraulic drives	none	none
Quick-adjust, center-mounted. Interchangeable sprockets provide 32 settings to obtain seed rate increments of less than 4%.	3 transmissions on 12RN, 1 on 8R Quick-adjust, center-mounted. Interchangeable sprockets provide 32 settings to obtain seed rate increments of less than 4%.	Single Drive Contact Wheel Transmission. 32 settings to obtain seed rate increments of less than 4%	Single Drive Contact Wheel Transmission. 32 settings to obtain seed rate increments of less than 4%	Single Drive Contact Wheel Transmission. 32 settings to obtain seed rate increments of less than 4%	Hydraulic controller & motor with infinite population settings	Hydraulic controller & motor with infinite population settings
tractor three-point hitch	tractor three-point hitch	wheel module w/hydraulic cylinder	wheel module w/hydraulic cylinder	wheel module w/hydraulic cylinder	wheel module w/hydraulic cylinder	dual master slave
tractor 3 pt + optional rear lift assist		6	8	10	6	4 on 36R-20" & 36R-22" 8 on 36R-30
9.5L-15, 6 ply - 4 2 on lift assist models	9.5L-15, 6 ply - 2 on 8R, 4 on 12R -	10:00 15 F1 Load range D 4 6 -	255-70R 22.5 radial load range H 4 8 -	255-70R 22.5 radial load range H 4 10	32/15.5 X 16.5, 14 ply 4 6 -	36R-20", 36R-22", 36R-30": (2) 30" x 67" Tracks 36R20" & 36R-22" 2 tires per wing: total of 4 per planter. 36R-30" 4 tires per wing: total of 8 per planter Tires: 33x15.5-16.5, 12 ply
9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower	9000 Series, low-pressure air system with hydraulically driven blower
direct drive from tractor remote valve	direct drive from tractor remote valve	direct drive from tractor remote valve	direct drive from tractor remote valve	direct drive from tractor remote valve	direct drive from tractor remote valve	direct drive from tractor remote valve
pto-driven hydraulic pump on ground drive models	pto-driven hydraulic pump	pto-driven hydraulic pump and reservoir	pto-driven hydraulic pump and reservoir	pto-driven hydraulic pump and reservoir	pto-driven hydraulic pump and reservoir	none
2 (70.5)	2 (70.5)	2 or 3 or 90 CFS	2 or 3 or 90 CFS	2 or 3 or 90 CFS	90 (3172), 2 @ 45 (1586)	150 CFS
none	none	liquid	liquid	liquid	none	liquid
vertical bifold arm	2-section, rear fold	bifold breakaway	trifold breakaway	trifold breakaway	trifold breakaway	-
none	none	none	none	none	none	36R-20" & 36R-22"
2 for tractor hydraulic-driven blower 1 with pto-driven blower pump	3 for tractor hydraulic-driven blower 2 with pto-driven blower pump	3 for tractor hydraulic-driven blower 2 with pto-driven blower pump	4 for tractor hydraulic-driven blower 3 with pto-driven blower pump	4 for tractor hydraulic-driven blower 3 with pto-driven blower pump	4 for tractor hydraulic-driven blower 3 with pto-driven blower pump	4 for tractor hydraulic-driven blower
SM400SE on 12R ground drive, C1000 on 12R hydraulic drive	SM400SE on ground drive, C1000 on hydraulic drive	C1000	C1000	C1000	C1000	C3000
C3000 on 12R hydraulic drive	C3000	C3000	C3000	C3000	C3000	none
High Rate	High Rate	High Rate	High Rate	High Rate	High Rate	High Rate
Seed Smart	Seed Smart on 12R	Seed Smart	Seed Smart	Seed Smart	Seed Smart	Seed Smart
Yes, when equipped with hydraulic drive option	Yes, when equipped with hydraulic drive option	Yes	Yes	Yes	Yes	Yes
12RN - 21'4" (6.50)	12R30 - 20'8" (6.30) 12R36 - 20'4" (6.20) 12R38 - 25'0" (7.62) 12R40 - 25'0" (7.62) 16R30 - 26'2" (7.97)	12' (3.65)	12' (3.65)	12' (3.65)	12'11" (3.94)	9936-20 & 9936-22: 16'2" 9936-30: 15'

Note: 1. All models of 9500, except 24R30, use a 3" x 7" bar to mount row units to main 7" x 7" bar.  
2. All planters with split rows feature lock-ups.

A close-up photograph of a white planter. The planter has a dark blue curved panel on its side with the word 'WHITE' in large, bold, white letters and 'PLANTERS' in smaller, spaced-out white letters below it. The planter is mounted on a red base. A black metal frame is visible on the left side. The background is a clear blue sky.

**WHITE**  
P L A N T E R S

A close-up, low-angle shot of a white planter. The planter features a prominent red stripe with three white diagonal lines on its side. The text "SIMPLY ADVANCED II" is printed in white on the red stripe. The background is a clear, light blue sky. In the lower right, a blurred red structure is visible.

**SIMPLY ADVANCED II**



**THE ART AND SCIENCE OF PLANTING PERFORMANCE.  
THE 9000 SERIES PLANTERS.**

Computer illustrations used to display frame configurations may omit some product details including safety-related items such as SMV, reflectors and lighting. Always properly maintain and use all safety related product features according to operator manual instructions.

AGCO may at any time, and from time to time, for technical or other necessary reasons, modify any of the data, specifications or warranty of the products described herein. Some equipment shown may be optional. Attention: Photographs in this publication may show protective shields or guards open or removed for the purposes of illustration. Be certain all shields and guards are in place during operation. Printed in the U.S.A.

AGCO is a registered trademarks of AGCO Corporation. © 2014 AGCO Corporaton, 4205 River Green Parkway, Duluth, GA 30096 • [www.agcocorp.com](http://www.agcocorp.com) • WP14B002ST (10) 3 PD



**WHITE**  
P L A N T E R S