

Planting Equipment

Drawn and integral planters, ExactEmerge™, MaxEmerge™ 5e, and MaxEmerge™ 5 row units



JOHN DEERE



Plant for Success

No skips in your field, no skips in our portfolio

Skips are to be avoided at all costs, whether that's your field or our lineup of planting solutions. So it makes sense we'd fill the gap between the MaxEmerge™ 5 row unit and the ExactEmerge™ row unit.

You're looking at our MaxEmerge™ 5e row unit. For those who want more productivity than MaxEmerge 5, but aren't quite ready to make the jump to ExactEmerge, we've got the perfect option. Offering electric drive on a traditional seed tube machine, MaxEmerge 5e provides the ability to compensate for turns and maintain in-row spacing, which helps to improve plant population and seed spacing accuracy.

That certainly isn't where the innovation ends. You'll also find advancements in our individual row hydraulic downforce, pneumatic closing wheels, and ExactEmerge planter additions. In total, you'll find just about every possible planter product or feature a manufacturer can offer – exclusively from John Deere. And you can bet if we've missed one, we won't skip it next time.

John Deere Connect Mobile – With John Deere Connect Mobile, you can use your Apple iPad to monitor, adjust and learn from the performance of your planter or sprayer – row by row or nozzle by nozzle. Connect Mobile lets you easily document and visualize the agronomic and performance data of your John Deere equipment.



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Visit www.JohnDeere.com for more details, or use the online product configurator to build and price a John Deere Planter.

PLANTING EQUIPMENT

What's New from John Deere Planting

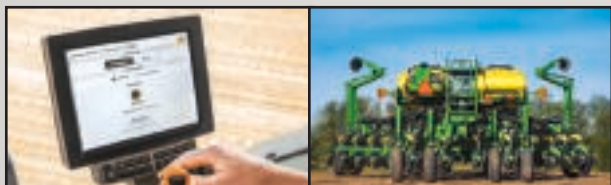
You'll find a number of planter enhancements to make it easier for you to boost your productivity from your ExactEmergence™ or MaxEmergence™ 5e planters, including:



Mobile Row Unit Run Off lets you determine the optimal meter settings from your mobile device for each variety you plant before going to the field. Plus, it lets you quickly troubleshoot and resolve any planter row unit performance issues. By doing so, it reduces valuable time and acreage spent troubleshooting that could take trips to and from the cab to adjust.



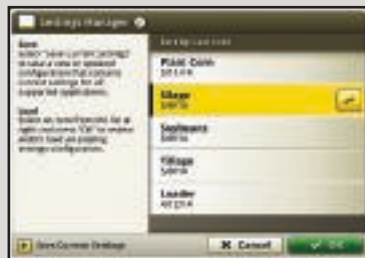
SeedStar™ 4HP monitoring system lets you view multiple functions at once in a very simplified overview layout. Just touch the bar chart and zoom into any row for detailed information regarding that row. Highly configurable run pages let you arrange SeedStar modules by operator preference. Complete simplified setup from the work setup page instead of having multiple applications to open.



Easy Fold makes planter folding and unfolding as easy as enabling from the display and operating one SCV switch. Your tractor and planter will automate the sequence for you, greatly simplifying the process. Plus, Easy Fold reduces training of inexperienced operators. Standard on select ExactEmergence models and optional on MaxEmergence 5e.

Settings Manager lets you save settings for a particular crop, condition or management practice and quickly recall them. You can use these presets to greatly save time

configuring your planter for specific conditions. With just one button, you can set rates, downforce, row cleaners, alarm preferences as well as tractor settings.



ExactEmergence™ – The only planter on the market that can offer even emergence, correct population, uniform spacing, and speed to get the most production within the optimum window. Thanks to industry exclusive designs, you can enjoy accurate seed placement in the trench with exceptional depth control. Not to mention you get infinite and precise population settings for achieving your desired target. And, of course, there's the 10mph to help you cover more acres per day and increase your chance of maxing out your yield potential.





Go retro

Retro kits now available for all XP row units

Recently, we introduced the ExactEmerge™ retrofit kit options followed by the MaxEmerge™ 5 and 5e row units. Available for 2011 or newer* 1770NT CCS, 1790, or DB Series planters, you can now choose the row unit of your liking for that planter in your shed you've grown so attached to.

So for MaxEmerge 5 retrofit kit, you get our improved seed meter offering ... and for MaxEmerge 5e retrofit kit, you get that same improved seed meter performance, along with a single electric drive. Of course, with the ExactEmerge retrofit kit, you get the industry-exclusive BrushBelt delivery system, high-performance vacuum meter, redesigned double eliminator, dual electric motors, and more. With three options, you can't go wrong.

**ExactEmerge Retrofit kits on DB planters are available for select models 2012 or newer.*





What's the right kit for you?

How do you know which retrofit kit is best for your farm? Think of it as a "good, better, best" situation. Perhaps you want more than baseline ... that's why MaxEmerge 5e was designed. Or maybe you want the best ... that's ExactEmerge. Also, consider the scale of your operation. There's no wrong choice when it comes to performance, but be sure you maximize your potential.

John Deere Row Units

Find your right choice

	Good	Better	Best
Solution	MaxEmerge™ 5	MaxEmerge 5e	ExactEmerge
Electric Drive		■	■
Seed Tube	■	■	
BrushBelt™			■
Curve Compensation		■	■
Vacuum Automation		■	■
RowCommand™ (Mechanical)	■		
RowCommand (Electric)		■	■
Ind. Row Hydraulic Downforce		■	■
Active Pneumatic Downforce	■	■	■
Easy Adjust Row Cleaners		■	■
Pneumatic Closing Wheels		■	■
Liquid Fertilizer	■	■	■
Granular Insecticide	■		

Monitoring & Documentation			
SeedStar™ 2 Monitor	■		
SeedStar XP Monitor	■		
SeedStar 4HP Monitor		■	■
John Deere Connect Mobile		■	■
JDLink™ Ready		■	■

PLANTING EQUIPMENT



Graded on a curve

Curve Compensation

One of our latest advancements that is certain to score high marks among customers is **curve compensation for the ExactEmerge and MaxEmerge 5e row units**. With this feature, you can maintain target population on curved rows, from the inside row to the outside row.

Here's how it works: when planting on a curve, the inside row unit is going slower than the outside row unit. Curve compensation will allow each row to receive a signal based on the speed the row unit is moving. Once the signal is received, the meter and brush begin to turn at the correct RPM based on the ground speed of that respective row.

Now you won't get a speed mismatch across your rows when going around curves. Or, another way of saying it, your inside rows, which are going slower, won't overpopulate ... and your faster outside rows won't under-populate. By ensuring your planter delivers the correct population on turns, your seed spacing isn't affected either.

MaxEmerge[™] 5e Row Units

Next planting season stands to be positively electric

Here's a thought: let's make a row unit that offers growers more agronomic benefits, and with some of the bells, but not all of the whistles. That's MaxEmerge 5e.

With MaxEmerge 5e, plant population and seed spacing accuracy is improved by a singular electric drive that allows for greater curve performance on the outer and inner rows. This can help eliminate a potential yield loss of 1-2% that's associated with seed spacing and population inaccuracies.

Add to the fact that – thanks to the electric motor – with MaxEmerge 5e, shafts and drivelines are eliminated. You now have better access to row unit components, making planter maintenance much simpler. Essentially, you get more agronomics and less annoyance.

Let's not forget that MaxEmerge 5e comes equipped with other popular features found on ExactEmerge, like vacuum automation, SeedStar 4HP, John Deere Connect Mobile, and more.

Effective immediately

MaxEmerge 5e makes a direct impact on your yield potential the moment it hits your field, allowing you to improve population accuracy by up to 20%. Even better, with MaxEmerge 5e you can eliminate 1-2% of potential yield loss due to fewer seed spacing and population accuracies. In short, MaxEmerge 5e won't come up short in your future planting seasons.

Even out

The heavier the planter, the more likely you will get uneven weight distribution along the bar – and that can cause the “pinch row effect,” which can lead to yield loss. Frame weight distribution solves this concern by spreading the weight more evenly across the planter to lessen the weight on the center frame tires. In higher moisture soil conditions where pinched rows are more prevalent, the value of frame weight distribution is, simply stated, invaluable.

More power to you

Whether you're buying a new ExactEmerge or MaxEmerge 5e Planter, or you're purchasing either row unit as a retrofit kit for your existing planter, you'll appreciate our Tractor Power Generation. It provides electrical power for the row unit to keep your operation efficient.

How efficient? First, it's less taxing with your PTO. Consider that Tractor Power Generation saves on hydraulics, fuel, and horsepower usage. Just as impressive, it cuts down on batteries needed and the fewer the batteries, the less battery maintenance.

Vacuum automation

If you've planted before, then you know this situation. You check your vacuum levels in the morning, it's at the level you want. Perfect. Time to plant. But in the afternoon, your level is off, so you adjust it. Nighttime rolls around, your level is off again. Annoying and no longer an issue.

Vacuum automation lets you set your desired vacuum level the first time and it stays constant throughout the day. No more manual adjustments to the hydraulic flow. Instead, you get precise and continuous seed placement without having to constantly check your monitor.



ExactEmerge for a whole field of growers

First, it was corn and soybeans. Then, it was cotton, sugar beets, and popcorn. Now we have three new bowls coming to market for ExactEmerge: sorghum, sunflowers, and sweet corn. We continue to bring all of the agronomic benefits of ExactEmerge to a wider range of crop growers so that more farmers across the board can maximize as much of their yield potential as possible.



Maximize your potential

How much more agronomic-focused can you make your planter? Plenty! With pneumatic row cleaners, pneumatic closing wheels, and individual row hydraulic downforce, you can get the most of your planter and your operation as a whole. (Visit pages 42-43)

PLANTING EQUIPMENT

Seed Tube Options



The Flush-Face seed tube (standard equipment) allows seed to drop uninterrupted through the tube for more even spacing. It's made of a clear polycarbonate material, so there's no need for a hole for the seed sensor – or the resulting ramp above the hole. That means there's absolutely no chance that seed will bounce against the sensor. Seed stays on track from the time it enters the tube to the exit point, resulting in more consistent spacing.



Large curved seed tubes are used to plant edible beans and peanuts.

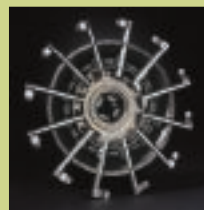


Radial Bean Meter

This mechanical bean meter does for soybean planting what the finger-pickup meter did for corn planting. Seed pools in the meter chamber until openings occur in the cell canals. Seed is routed to the outer edge of the bowl into individual cells. Here, seed is held until it rotates to the drop-off area and gently falls through the seed tube into the furrow.

Finger-Pickup Meter

Finger-pickup plateless seed meters are available for MaxEmerge™ 5 row units. Changing between finger-pickup meters and radial-bean meters requires only a few minutes. A popular choice on 1755 Drawn Planters, this meter provides consistent seed spacing and population control when planting corn. It also has good performance in metering confectionary (large) sunflower seeds.



ProMAX 40 Flat Disk

Accurately singulate corn seeds of different sizes or shapes with the John Deere ProMAX 40 Flat Disk. We designed the disk as a component to the John Deere MaxEmerge 5 meter ... which means you don't need to buy a new meter just to make it work! The design of the ProMAX 40 Flat Disk, as well as the positioning of the disk within the meter, allow seed to be released from the optimum position above the seed tube. The Flush-Face seed tube allows seed to drop uninterrupted through the tube, so every seed is properly released into the tube, and every seed clears the tube with even spacing.



The disk has 40 holes, so it requires fewer revolutions per minute than a "raised" 30-hole flat disk to apply the desired population. There are two benefits of fewer revolutions. First, there's ample time for seed to be drawn to each hole, so there's less need to agitate the seed. And with less agitation, there's a reduced chance that seed will become damaged within the meter.

When planting seeds at the opposite ends of the size spectrum with the ProMAX 40 Flat Disk, you can use the externally-adjustable double eliminator to adjust the coverage of the hole. Best of all, these settings are uniform on every row unit, so you get unbeatable accuracy across your planter. No other flat-disk planting solution offers this level of convenience and flexibility.

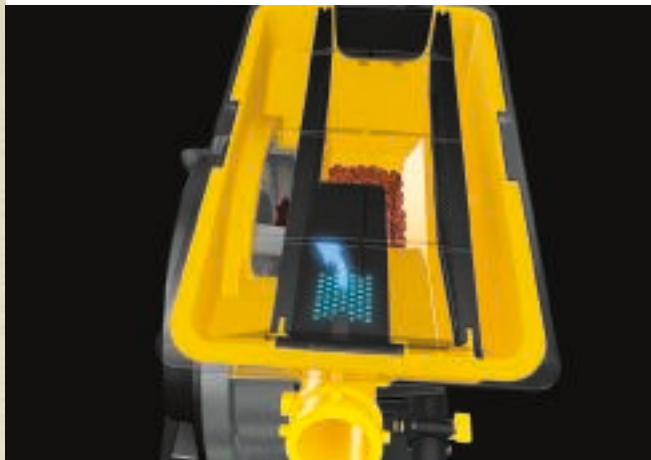
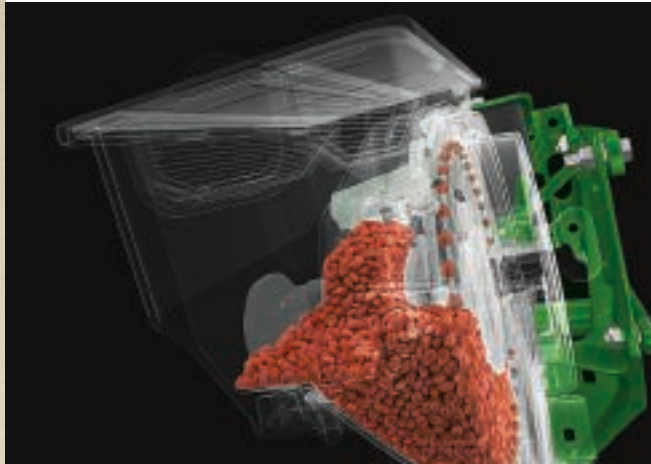
MaxEmerge™ 5 Row Units

More advancements. More advantages.

Our fifth-generation row unit, MaxEmerge 5 bundles the best of the MaxEmerge XP and Pro-Series XP to give you one unique planter solution. With more options and configurations than ever before, you get difference-making versatility that easily adapts to your ag management plan.

So what separates MaxEmerge 5 from other row units on the market today? The quality of planting. It starts with optimal seed population that drives your yield potential. An improved double eliminator helps you achieve your desired population with a wide range of crop sizes. Improved side-hill performance of up to 14 degrees ensures you receive the full value of each seed when planting on terraces or rolling terrain. And a newly designed vacuum air source from the CCS tank in the meter provides a debris-free environment for increased meter efficiency.

The MaxEmerge 5 also features key hopper improvements, like the redesigned straight-entry of the CCS hose into the mini-hopper, which eliminates plugging for greater uptime. How about more productivity? Pro-shaft drive granular insecticide option is now available on both the mini-hopper and 1.6-bushel so you can plant and get your chemical applications down in one pass. And we haven't forgotten about owners of our larger hoppers – an upgraded cleanout process makes crop changeover quick and simple. You can now make adjustments to the double eliminator without having to grab your tools to remove the row unit.



Mini-Hopper

Enhanced design features straight entry hose directly from the CCS tank to promote better seed flow and to cut down on potential plugging. With this upgraded series, you can maintain your target population on slopes up to 14 degrees.

Clean air vacuum

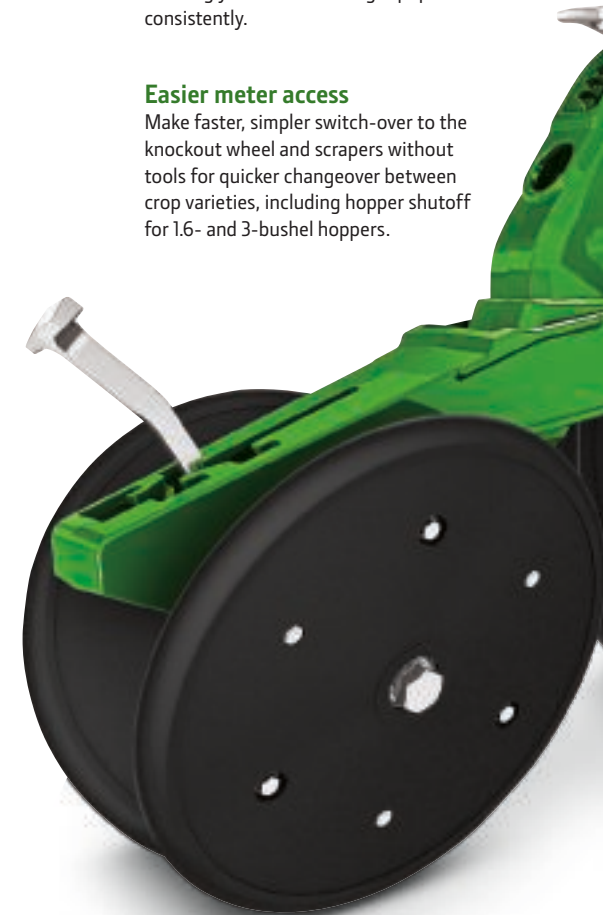
Vacuum air now enters the mini-hopper directly from the CCS tank, providing only clean air and ensuring the seed meters stay clear of debris.

Doubles eliminator

Improved number dial knob allows for more precise setting with a variety of crop sizes, allowing you to achieve target population consistently.

Easier meter access

Make faster, simpler switch-over to the knockout wheel and scrapers without tools for quicker changeover between crop varieties, including hopper shutoff for 1.6- and 3-bushel hoppers.





Gauge Wheel Arm Pivot

More durable pivot uses a smooth bushing that helps to prevent premature wear, resulting in triple the life than before.

Shank

Ductile iron shank has added strength to handle no-till and rocky conditions, allowing for an improved planting experience.



Chemical application option

Lay down granular insecticide or herbicide with each seed pass to improve your overall productivity. Available on Pro-Shaft drive mini-hoppers and 1.6-bushel hoppers.

We've got you covered

More advancements, more advantages indeed. But did we also mention more available options? MaxEmerge 5 comes in the mini-hopper configuration – with or without insecticide – for all CCS planters. The 1.6-bushel is also offered with or without insecticide. And both the 2-bushel twin row and 3-bushel hoppers round out the most productive family of row units in the business.



PLANTING EQUIPMENT MaxEmerge 5 Row Units

Reach your yield potential

Every grower is different, but the goal is the same. You want to maximize yield potential. John Deere gets that. Equally as important, we value the total agronomic process that comes with each planting season. With the improvements we've made to our products, we considered four key components:

- Delivering your desired plant population
- Giving you accurate plant spacing
- Enabling you to achieve even emergence
- Allowing you to make the most of the planting window

Those are the principles **ExactEmerge** and **MaxEmerge 5** were built on. Both offer unmatched agronomic performance to give you desired population, singulation, and depth control, which results in precise seed placement and good seed-to-soil contact that you need to grow the best stands ... at an even height and with the proper vigor.

ExactEmerge™ Row Unit. Accurate at 10 mph. Exactly.

You're used to going five miles per hour; we get that. But ask yourself this: would you still go 5 mph if you could get the same accuracy at ten? Welcome to ExactEmerge. It's about accurate singulation, population, spacing, and uniform depth ... all at 10 miles-per-hour.

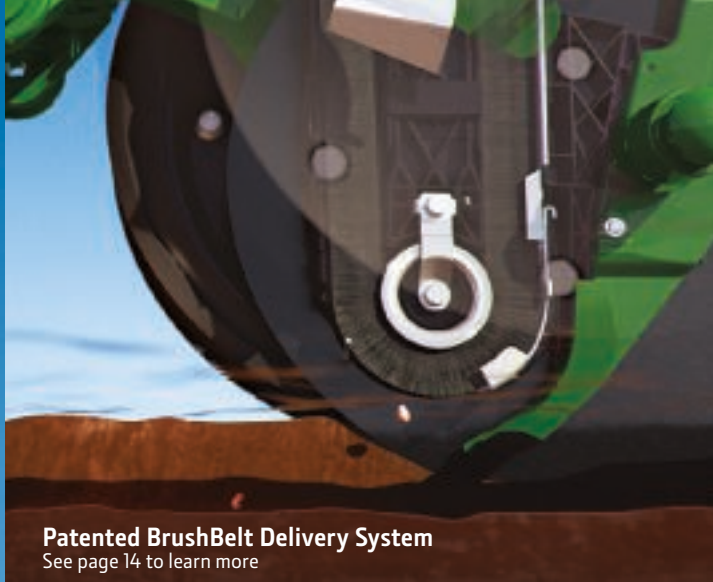
More importantly, it's about addressing your needs. Like the need to plant the hybrid that's precisely singulated and best suits your field conditions. Our high-performance meter steps up to the challenge. With the ability to handle a variety of kernel sizes or shapes with no mechanical adjustments, this improved meter with a new poly-tine doubles eliminator gives you new levels of performance that deliver with precision. Updated concave design allows the meter to gently transfer seed to the new BrushBelt™, enabling a crisp handoff to the delivery system. While the doubles eliminator accurately singulates your seed for singulation at its finest.

Also, you need your population to hit the target mark. So we designed an electric drive motor with precise control on each meter to deliver the target population. And the meter is able to do its job thanks to the newly designed seed bowl. Since the vacuum pickup is now at the bottom of the seed puddle, gravity is in your favor. Once the seed is singulated, the paddle follows it around to push the seed out of the puddle without seeds falling off. It's why we're confident your population will be spot on.

How about the need for accurate spacing and consistent depth at high planting speeds? That's where we say 'hello' to the patented BrushBelt, and 'goodbye' to the seed tube. The BrushBelt tightly holds the seed from the meter and keeps the seed-to-seed relationship through the delivery system firm and consistent. Then the seed is speed matched to the ground, which allows the seed to be placed gently at the bottom of the trench without traditional bounce and roll found when planting at higher speeds, whether you're in flat ground or steep hills.

This is exactly what you've asked for: greater productivity. And that's what ExactEmerge is ... a planter that merges speed and accuracy.





Patented BrushBelt Delivery System
See page 14 to learn more



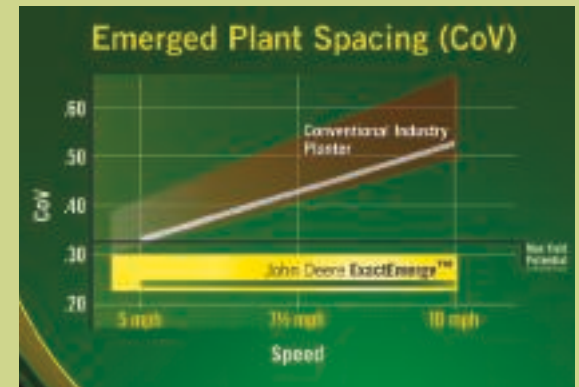
Widen those narrow planting windows

Accuracy is one thing, but there's another significant advantage to the ExactEmerge row unit. When you can plant at 10 miles per hour, your narrow planting window isn't so narrow anymore.

Why is that important? Because your rate of loss accelerates greatly after the optimum window has passed. This is especially true the further north you live in the U.S. With a high-speed planter, you can avoid missing that peak planting time, thereby helping to increase your chance to get the highest crop yields.

No more multiple shifts. Fewer long work days. And no more additional help to get the crop in on time. Even the stress of needing a favorable 5-day forecast is lessened. Now if a storm's expected, ExactEmerge allows you to push the throttle so you can be more productive in shorter weather windows.

We measure and monitor seed spacing as CoV, or Coefficient of Variation. The lower the CoV number, the higher the spacing accuracy, and the greater the yield potential.



The building blocks of a revolution

No matter what you're designing, it won't stack up without a strong foundation. ExactEmerge wasn't built on speed alone. It was built on a firm principle – the idea that your singular objective is to achieve accurately spaced uniform emergence that will grow profit. So we addressed that belief, piece by piece, to create a planter that would redefine productivity and uptime.

ExactEmerge™ models and configurations			
1725NT	• 8R30		
1725C	• 12R36	• 12R38	• 12R40
1725CCS	• 16R30		
1775NT	• 12R30	• 16R30	• 24R30
1795	• 23/24R15	• 31/32R15	• 24R20
DB44	• 24R22		
DB60	• 24R30	• 36R20	• 47/48R15
DB66	• 36R22		
DB80	• 32R30	• 48R20	
DB88	• 48R22		
DB90	• 36R30		

Dual Electric Motors

The ExactEmerge electric drive system is powered by two brushless, maintenance-free motors on each row unit that work independently to control the meter and the BrushBelt – with no synchronization required. Compared to standard brush motors that generate friction and heat buildup, our motors run more efficiently and provide longer life. The motors operate off of ground speed to provide accurate target population and speed-matching seed delivery.

BrushBelt™ Delivery System

This patented technology delivers seed to the bottom of the trench at a rearward trajectory that truly matches the ground speed of the planter at any desired population. This gives you precise seed placement with no bounce as can be found in some seed tubes, and no roll in the trench, whether you have corn or high-rate soybeans. Brush bristles gently cradle the seed on all sides with full control to deliver each seed to the bottom of the trench, even in rough planting conditions, so there's no degradation to in-ground spacing accuracy. And a BrushBelt conditioner at the bottom of the delivery system is self-cleaning to shed any dust from the BrushBelt.

Seed Sensor

Provides every vital bit of information for each seed that travels through the BrushBelt delivery system: population, seed spacing, seed singulation; it's all gathered here and then delivered to the new SeedStar™ 4HP monitoring system.

Tractor Power Generation

Thanks to tractor power generation, you won't need batteries on your planter. You'll appreciate that in the off-season when you don't have to stress over the care and maintenance of your batteries. But it's not just that. Tractor power generation is a more efficient system that doesn't require hydraulics, which helps eliminate the hydraulic need on the tractor by allowing PTO to generate planter power. As an added benefit, the feature is easy to install and simple to remove. Available as an option on specific ExactEmerge planters, and is required for both ExactEmerge and MaxEmerge 5e retrofit kits.



Power Generation System

Exclusive 56-volt system offers the most voltage in the industry, greatly reducing the amps needed per row compared to lower voltage systems.

Improved Shank

Faster planting speeds mean more shock load and stress. So we strengthened the row unit shank to withstand additional force and impact without fracturing, regardless of planting conditions. And an enhanced gauge wheel arm provides greater wear life.



Downforce Options

What's your preference? Go with active pneumatic downforce and ensure that every row unit maintains the necessary ground contact when planting at 10 mph, helping to achieve uniform depth for even emergence. Or try individual row hydraulic downforce. With it, in under a second, you can witness a hundred pound change in downforce – on a row-by-row basis – to ensure you're getting the depth needed for your specific soil conditions.

Rigid Concave Seed Bowl

Singulates the increased seeds-per-second at higher speeds. Bowl paddles associated with each seed hole provide a smooth, crisp handoff to the BrushBelt without any assistance from secondary features. This is all due to the bowl-shaped design, which allows the seed puddle to remain half way in the bowl. And with the pickup at the bottom of the bowl – along with an assist from gravity – seed is pulled down freely and without complication when planting faster. So why is all of this important? With a flat disk the seed puddle leans against the disk and the vacuum has to pull the seed sideways, while dragging it through the puddle. So, essentially, you have three forces working in opposition: 1) gravity is trying to pull the seed down, 2) the vacuum is trying to pull seed toward the disk, and 3) the seed in the puddle is pushing 90 degrees toward the vacuum. Do the math and what you come up with is a bad combination when you're increasing the seeds-per-second.

High-Performance Vacuum Meter

Our high performance meter lets you use a variety of seed shapes and sizes, all at once, and with no mechanical adjustments – like refuge in the bag. Use whichever seed you prefer without any hesitation or sacrificing of your hybrid selection. Plus, the vacuum meter maintains a target population even over terrain with slopes up to 15 degrees.

Mini-Hopper Design

Straight inlet design of the CCS hose into the mini-hopper replaces the elbow-style setup to prevent potential plugging.*

* Rear rank on the 1795 will still have the elbow for prevention of pugging when the rank is raised.

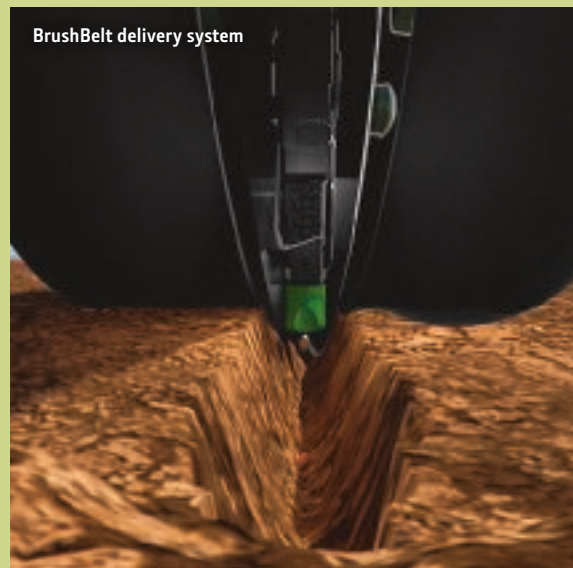
Polytine Double Eliminator

Precise singulation is gained as the tines of this redesigned double eliminator sweep extra seeds away from entering the BrushBelt. This upgraded feature needs no fine-tuning for added convenience and handles higher planting speeds.

Row Unit Controller

Calculates how fast the electric motors should turn and captures data from the sensors – seed, downforce, ride quality, and row vacuum on the respective rows. The information from each unit controller is sent to the Meter Master Controller.

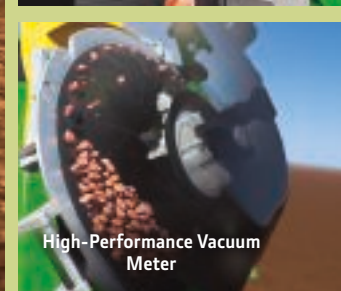
PLANTING EQUIPMENT *ExactEmerge Row Units*



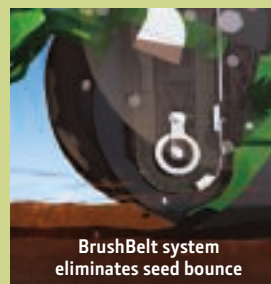
BrushBelt delivery system



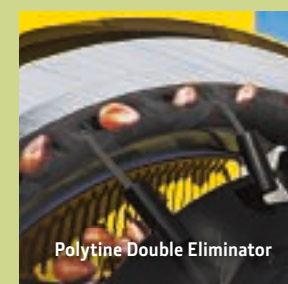
Seed Sensor



High-Performance Vacuum Meter



BrushBelt system eliminates seed bounce



Polytine Double Eliminator



Crisp hand-off to the BrushBelt



Gentle seed handling all the way from the meter to the trench



Dual Electric Motors



Improved Shank with enhanced gauge wheel arm

JDLINK™ Connect

JDLINK Connect features a controller that uses cellular communication and a GPS antenna. Machine and production data are collected and wirelessly transferred to a server, so you can manage your operation without being in the cab.

Create new setup files, modify existing ones and send to your machine via Wireless Data Transfer. View the path traveled by a machine over a 24-hour period for up to 60 days with Location History. Also, get maintenance alerts, monitor location, ground speed, heading and machine state information (working or idle). Lay maps side-by-side onscreen to evaluate yield impact with Field Analyzer, then send planting prescriptions wirelessly to the field to vary rates on the go.

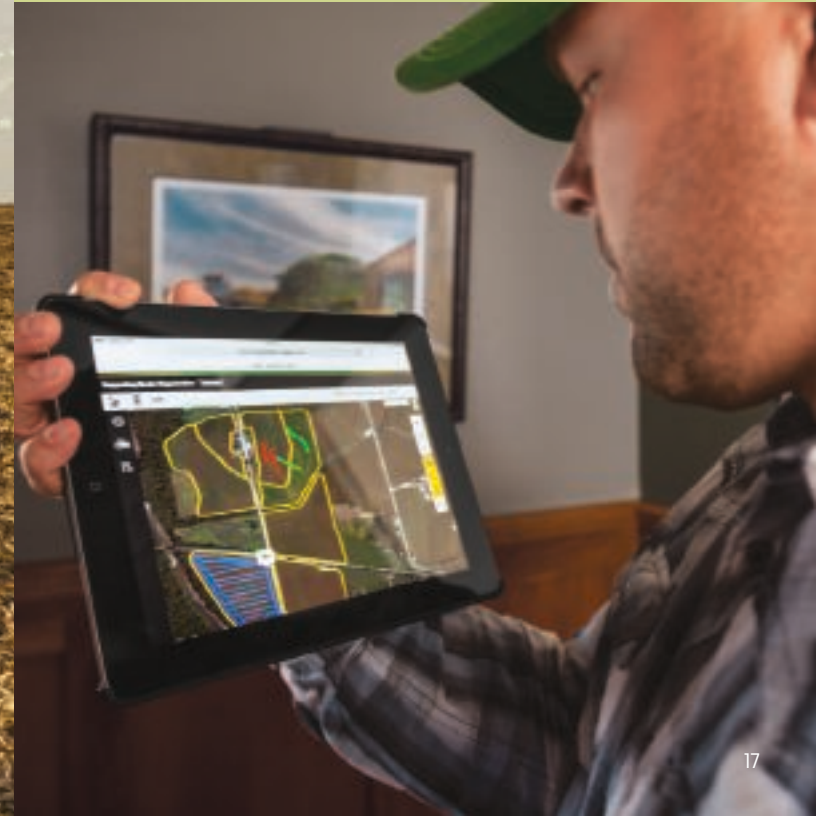
And if you do have issues, remote support is just a call away. You or your trusted advisors can view an operator's screen to resolve a setup issue or make changes during planting without going to the field. Downtime is also reduced when your dealer can remotely read diagnostic trouble codes.



John Deere Operations Center

Run a stronger operation

What do you do with all your data once you've collected it? Put it to work for you with John Deere Operations Center, where you have the ability to turn your valuable information into a plan of action. Collect data easily, review to make accurate decisions and share with your trusted advisors. Within this online portal, you can see average yield, total yield, average moisture, seeding variety and rates and more. Every time you're done seeding a field, that information is waiting for you in the Operations Center to make adjustments and improvements for the next year.



SeedStar™ XP Monitoring and Documentation

Make smarter decisions
based on better in-field data

When using SeedStar XP's monitoring technology, your GreenStar 3 or integrated 4600 display provides a clear overview of how your planter is operating from front to back. It features on-the-go planting performance for many vital planting areas, including population, spacing, singulation, downforce, and ride quality. And you get it all on one full-color screen. Check out all aspects of your planter or focus in on how one specific row unit is doing. With SeedStar XP monitoring technology, you won't miss a thing.

SeedStar™ 2

Variable-rate drive lets you change seeding rates on the go. Pair variable-rate drive with map-based prescriptions, and your planting rates automatically adjust based on your map.

One monitor in the cab – The advantages to this system go far beyond simplicity and convenience. It's a full-featured, color seed-population monitoring system that feeds information through the GreenStar 2, GreenStar 3, and Generation 4 family of displays. Details are displayed on a single GS2, GS3, or 4600 or 4640 easy-to-read monitor. Expanded functionality is also part of the SeedStar 2 approach. Tell at-a-glance if half-width disconnect is engaged, if planting populations are at target levels, and if variable-rate drive is activated.

Computer-Track monitor – If you don't own a GS2 or GS3 Display the Computer-Track monitor provides excellent monitoring with simple operation. It monitors the performance of the planter's row units, while providing information such as average population, total acreage, and ground speed.



Seed Singulation and Spacing

– Receive real-time singulation data from the row units on your GreenStar 2, 3, or 4 Display. Information about row units with the highest percentage of seed multiples and skips are highlighted allowing you to make adjustments and improve your plant emergence.

Planter Performance

– Monitor different planting performance functions including seed singulation and row-unit down force. SeedStar™ XP combines all of the various planting performance elements into one full-color, planter overview screen, giving you an accurate and quick understanding of relative planting functionality at-a-glance.

Down Force

– Too much or too little down force can cause problems and lead to poor plant emergence and eventually lower overall yield performance. SeedStar™ XP monitors row-unit down force and measures it by the down-force sensor and sensor nodes then transmits the information to the GS2 and GS3 Displays, allowing you to make adjustments from the cab.



John Deere Connect Mobile

Within a single app on Apple® iPad®, the John Deere Connect Mobile subscription now provides the framework for both planting and spraying operations to let you easily document and better visualize your agronomic and performance data.

Common database for planting and spraying data

Connect Mobile creates a common database for planting data and other operations to help you make better decisions by comparing that data across your operations. That means you'll be able to view planting and spraying data that were collected on the same iPad and better monitor their performance.

Look at all the advantages:

- Document and visualize row-by-row performance of planters
- Monitor job performance in real-time to make informed decisions in your cab and perform any adjustments needed
- Review multiple map layers across production steps to make even better decisions
- Integrates easily with existing John Deere technology
- Use field review to learn insights about the job

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PLANTING EQUIPMENT *SeedStar Technology*

SeedStar™ 4HP Monitoring System

See speed meet accuracy in real time



Have you ever wanted to view more than one planter chart at a glance at once? SeedStar 4HP gives you multiple views and configurations in one simple overview page to fit your preferences. You can complete the simplified setup from the work setup page instead of having multiple applications to open.

Do you need more information on a particular row that's not performing as well as the others? Just touch the bar chart and zoom into that row for detailed information for that specific row. Use Settings Manager to quickly update settings for your various crops and field conditions. That lets you save and recall your planter and tractor settings for optimum performance in different conditions.

As the monitoring system included with our ExactEmerge™ and MaxEmerge™ 5e planters, the SeedStar 4HP feature lets you snapshot your machine and implement settings and to restore those settings in the future.

Requires a Gen 4 4600 CommandCenter™ or 4640 Universal Display



Get more with automated guidance

John Deere guidance products are designed to help you make the most of your equipment investment.

Our planting equipment is already designed to provide you with better productivity and efficiency. To increase that even further, add precision guidance*.

Install a new StarFire™ 6000 Receiver on your tractor and a GreenStar™ 3 2630 or Gen 4 Display in your cab, and take control of your seed costs when you use AutoTrac and Section Control. University research** shows you can save 20% or more on input costs by using automated steering and section control. These studies show that automatic guidance pays for itself within two years, so get started today!

*Activation/subscription required. Some additional accessories and/or components may be required to operate the GreenStar equipment. See dealer for details.

** Auburn University, 2010.



GreenStar™ guidance – The Gen 4 CommandCenter paired with the CommandCenter Premium activation and the StarFire™ 6000 receiver helps you do the best possible job planting your crop by minimizing overlaps and skips at headlands and point rows all while maintaining accurate guess rows with pass-to-pass accuracy of +/-1 inch when using RTK differential correction.



Let the equipment do the work with AutoTrac Guidance:

AutoTrac™

A perennial customer pleaser, AutoTrac's automatic guidance helps make each pass ultra-efficient. All you do is manually set the first pass, and then AutoTrac takes control. You still make headland turns and steer around obstacles, but with the push of a button, AutoTrac resumes control.

iTEC Pro™ (Intelligent Total Equipment Control)

This industry-exclusive feature automates tractor and implement functions on end-row turns. As you approach your headland, iTEC Pro works with AutoTrac guidance through your GS2 or GS3 or Gen 4 Display, to automatically slow the tractor speed... raise the implement, turn the tractor... and reengage the implement, all automatically.



1705 Planter:

An integral part of any successful planting operation

Smallest in our arsenal, but plays a big role in any planting operation, the 1705 is a great selection for farmers, particularly those growing cotton, peanut, sugar beets, or edible beans. VacuMeter seed metering accuracy makes sure your crops are seeded properly so you can look forward to a productive harvest.

Available in 4-row, 6-row, 8-row, or 10-row options with varying row spacings to make it an easy fit on your farm, regardless of your preference. Speaking of preferences, you can also add liquid fertilizer to your 1705 to help you get more done in the field. And add the optional lift assist wheel to complete the total 1705 package.

Plus, 3-point-hitch mounting offers instant mobility for convenient maneuvering and transport. Two adjustable parking stands are standard equipment, making it simple to hook up to your tractor.



John Deere offers **dual gauge wheels** for increasing flotation in soft soil. Also check out other cotton-specific options like V-wing bed sweeps.

1715 Planter:

The perfect vertical-fold planter to help profits climb

Are you a peanut farmer looking for ways to save while still getting the productivity you need from your planter? Maybe you're a cotton grower who needs to shed costs, wherever possible, from field to gin. Well, check out the economical 1715 Vertical-Fold Planter.

Peanuts, cotton, and more ... the 1715 is a simpler, more affordable option to get your seed in the ground. This 12-row machine plants on 30-inch or 70-centimeter row spacing with three-section flexibility to maintain accurate seed depth over rolling ground and terraces.

Vertical-fold capability lets you close the wings hydraulically. Then just lock them in place and you can go from field to field in no time. If your path takes you through tight quarters, the vertical fold offers narrower transport width than a rigid frame, and a flex feature of 8 degrees up and 6.5 degrees down so you can easily work rolling ground and terraced fields.

1725C Stack-Fold Planter – We're confident cotton growers will approve of this machine. The 1725C provides all the agronomic advantages ExactEmerge™ offers – dual electric motors, BrushBelt™ delivery system, and an industry-best 10mph planting speed. Or go with MaxEmerge™ 5e. Either way, it comes in a 12-row configuration in available spacings of 36, 38, or 40 inches. Plus, you get a 35-bushel CCS tank without lift assist wheels to get in the way, so you can move through fields with superior pace and precision. You get all the maneuverability needed for operating in bedded crops or at the end of rows. Plus, hydraulic wing locks make moving from field-to-field a breeze.



1725 Planter: Growing the Family

The 1725 Stack-Fold Planter – For wide planting with narrow transport, choose the 1725 Stack-Fold. With 8-, 12-, and 16-row models available, you'll cover fields in a hurry. But field-to-field transport won't slow your pace. Simply fold the wings hydraulically over-center for travel. And, because the seed boxes stay upright during transport, you don't have to empty the hoppers each time you move. For the 8-row, pick between 36-, 38-, or 40-inch row spacings. Or get 30-inch spacings on the 12- and 16-row.

The 1725 CCS Stack-Fold Planter – The 1725 CCS Stack-Fold has always been the planter of choice for those of you who plant on beds or are advocates of strip till. Two 50-bushel CCS tanks will keep you in the field longer than traditional hoppers, so you can knock out more acres faster. But don't think you've traded flexibility for speed. Adding CCS to the 1725 didn't diminish its maneuverability one bit. The integral design makes this planter a winner both in the field and on the road. The 1725 CCS is available in a 16Row30 configuration. The three-section frame is made to accommodate rolling terrain, and so can flex up 10 degrees and down 7 degrees. When on beds, simply lock the frame in rigid position to plant.

The 1725 CCS Twin-Row Planter – The 1725 CCS Twin-Row Planter brings the most accurate and reliable row unit on the market to a twin-row configuration. Better crop canopy and improved yields are just some of the benefits customers like you are experiencing. Available in 12x2-rows on 36-inch or 38-inch spacings, this planter features CCS storage, row unit down pressure to maintain the integrity of your beds and hydraulic steering for the chassis lift assist system to prevent bulldozing at the end rows.



1725NT Stack-Fold Planter – 8-row 30-inch spacing model means growers with smaller fields still get all the amenities of bigger operators. Perhaps at the top of that list, given the transport limitations, is the ability to fold to just under 10 feet in width. Of course, you have your choice of MaxEmerge 5e or ExactEmerge so you can maximize your output.



1725C Additional Features

With enhancements to the ExactEmerge 1725 frame, John Deere delivers a more refined planting solution. Like running vacuum hoses directly through the frame to offer a cleaner look and less complexity. Plus, it comes equipped with automatic wing locks, so you no longer have to get out of the cab to lock and unlock the wings before or after a fold – the hydraulic locking system does it for you automatically. Also, wing down force keeps the wing from floating at higher speeds ... which is key for planting above 5 mph. And double acting cylinders apply force to the wings to make them heavier, while transferring the weight off the center frame. This eliminates bouncing on the outside row units and helps control ride quality and seeding depth.

1735 Planter:

Narrow your options

The exceptional 1735 lets you plant your edible beans, sugar beets, and other similar crop systems on narrow row spacings. So if you need a splitter planter design for your field, you've found it.

No matter your field conditions, the 1735 will get the job done. It offers the mobility of an integral planter, with twice the planting versatility. But to get as much productivity as possible from the 1735, take it into your conventional or reduced-tillage fields where it truly shines. With so many unique configurations to choose – 11-row, 12-row, 13-row, and 15-row – you can get a planter that works to your strengths as a farmer.

To help keep soil and residue flowing, the 1735 splitter units are set back seven inches on extra long parallel arms. A front-mounted seed transmission is driven by a gauge wheel to give you 50 rate selections, just like the rear-mounted drive.





1755 Planter:

Ready for the big time

The 1755 may be compact, but it's a **big-time performer in the field**. Conventional or mulch-till, double-crop or no-till, the 1755 takes these planting conditions head-on.

So throw your toughest corn trash and your roughest seedbeds at it. The 1755's sturdy 7x7-inch frame can push through the challenge. As for size, you can get the 1755 in 4-row, 6-row, or 8-row with a good number of spacings for the picking.

And know that we offer the full range of optional liquid and dry fertilizer and chemical systems to tack on to the 1755 – as well as additional tillage attachments. So you can really go to work in residue, hard ground, sticky soil, or rocky fields.



The 1755 Drawn Planter has a **simple seed transmission** that makes rate changes quick and easy. Choose from 50 different planting rates.



Each fertilizer hopper holds about 550 pounds of dry fertilizer. The entire hopper pivots for easy dumping. Drives and transmissions are included. Choose from 25 transmission rates, depending on the auger chosen.

1765 Planter:

Give new meaning to 'flex spending'

Now here's a planter that fits in your field, as well as your budget. The cost-efficient 1765 wing-fold planter has a two-section frame that flexes in the middle to provide 20 degrees of up and down motion so you can breeze through your planting chores on rolling and terraced ground.

Offered as a 12-row, 30-inch spacing design, the 1765 is great for just about any field type. A 147-inch hitch ensures ample turning radius during transport when using a tractor with duals.

Greater productivity can be yours, too, when you apply liquid fertilizer while you plant. Frame-mounted liquid fertilizer tanks on the 1765 let you do the work of two passes in one. And a rugged 7x7-inch frame easily shoulders the maximum load of 450 U.S. gallons without compromising speed or accuracy.





1765NT Planter:

Slim down to grow your yield

It's hard to imagine another high-performance planter that can grow your yield, yet still move across narrow bridges and skinny country lanes quite like the 1765NT. This 8-row, 30-inch spacing planter folds into a tight transport width of only 12 feet. Meaning, if your tractor can get through the gate, then the 1765NT can, as well.

Once you get into a field, the 1765NT is able to plant into whatever conditions you find. This planter's heavy-duty frame is built to handle everything from conventional-till to true no-till, which makes the 1765NT as versatile as it is portable.

Of course you'll get the planting results you expect from a 1765 Planter. The NT sports all the features of earlier models, and can be equipped with all the optional attachments for unbeatable planting performance.



As much as 300 US gallons of fertilizer capacity on the 1765NT means you can work with fewer stops. You can vary application rates from 1.6 to 37.6 gallons per acre, making it easy to adjust from field to field.



Our heaviest no-till fertilizer opener is available on the 1765NT. The frame-mounted single-disk fertilizer opener system slices through residue to place nutrients where they're needed – up to 2.5 inches off the row and 2- to 4-inches deep. Unit-mounted double-disk openers and injection single-disk openers are available.

1775NT Planter: Top-of-the-line production.

Let's talk output. Available in three configurations – 12-Row30, 16-Row30, or 24-Row30 – the 1775NT is not only one of the most productive planters on the market, but a planter that fits seamlessly in just about any operation ... regardless of scale, field conditions, or number of fields.

From the convenience of your cab, you can operate the “fold and go” hydraulic system, allowing you to hit the road more quickly and easily. The front-fold design offers a narrow 12-foot transport width. And it provides 22 inches of under-unit clearance so you won't snag or pull getting in and out of your fields. What's more, the 1775NT features more wing flex than any other planter in our lineup. You'll certainly notice the 21 degrees of up-down flex when working rolling ground and terraces, while still maintaining consistent depth.



Get from field to field with some transport peace of mind. Even with the CCS option, the 1775NT planters transport at a compact 12-ft. wide, so crossing bridges poses no problems. In the field, the location of the CCS tanks on the frame has been optimized for excellent weight distribution.

A telescoping hitch allows the 1775NT to be coupled closer to the tractor for added maneuverability. Marker arms provide peace of mind. Tri-fold markers come standard on 12- and 16-row models; and 24 row models.



Two bulk-fill tanks are standard on every CCS planter for maximum seed-carrying capacity. The 16- and 24-row 1775NT planters boast two 50-bushel tanks, for a 100-bushel capacity, while the 12-row version uses two 35-bushel tanks for a combined tank capacity of 70 bushels.

1775NT Planter Family			
	12 Row	16 Row	24 Row
MaxEmerge 5 / MaxEmerge 5e / ExactEmerge	X	X	X
CCS 70 bu.	X		
CCS 100 bu.		X	X
Liquid Fertilizer*	450 US gal.	600 US gal.	600 US gal.
Liquid Insecticide**	225 US gal.	300 US gal.	450 US gal.
Granular Insecticide†	X	X	X

* Liquid fertilizer tanks available on non-CCS models only.

** Liquid insecticide tanks available on planters without liquid fertilizer tanks.

† Granular insecticide hoppers available only with MaxEmerge 5 row units.

1775 Planter:

Perfect match of size and ability

The 1775 can fit into just about any farming practice. This 12-row, 30-inch spacing machine is our largest planter with dry fertilizer capability, so you can plant and enrich your land on more acres in less time. More importantly, it's as precise in delivery as you demand.

The flex frame design of the 1775 uses a two-section frame that bends in the middle, with 20-degree up or 30-degree down motion. This allows you to glide over terrain that can prove challenging for other planters, like terraces and slopes.





1785 Planter:

Dual-purpose planting

Plant at one spacing today. Plant at a different spacing tomorrow. The 1785 is the ideal bar to have for the grower who needs the ability to plant at a conventional 30-inch spacing for one crop, and a second crop at 15-inch spacings, such as soybeans.

You'll find the 1785 to be a great addition to your operation, with four configurations available to fill some gaps: 6-row, 8-row, 11-row, and 15-row models with a mix of spacings to choose from, including 15-inch to 70-centimeter, depending on row configuration.

Regardless of row or spacing preference, the alternating row units on the 1785 are equipped with long parallel arms. This allows the row units to be offset to the rear of the planter by 7-inches – important for getting good residue and soil flow through the planter in virtually any field type.



1795 Planter: Maximize the value of split-row spacing

Corn and bean farmers, rejoice. The 1795 is quite possibly the most effective planter in the industry, offering superior split-row performance that's unmatched. Plant on two row spacings: the front rank of row units is on 30-inch spacings, while the back rank of row units is on 30-inch spacings, as well, but offset from the front rank to provide a 15-inch spacing pattern.

This highly proficient planter fills the need of corn and soybean growers in a variety of ways. Thanks to CCS seed delivery, you can enjoy the productivity of bulk fill that serves up to 100 bushels of seed capacity. There's also the 12-foot narrow transport that crunches all this big production down to a more manageable unit to move from one place to the next.



For the widest range of monitor functions, opt for the SeedStar 2, SeedStar XP, or SeedStar 4HP (with electric drives) monitoring system, which works with the entire GreenStar family of displays.

The unique design of the 1795 eliminates negative hitch weight. The weight of the seed is positioned in front of the mainframe, not behind so weight transfers onto the tractor when the planter is raised. Plus, all tires get the same amount of pressure to the ground, thanks to improved hydraulics.

Up to 47 inches of row-unit stagger when both front and rear ranks are down provides impressive soil and residue flow. That increased space gives plenty of accessibility to row units for completing routine maintenance.





The Pro-Shaft™ Drive – proven reliability. No longer will you have to fix chain drives because they were knocked off the sprockets by a corn stalk. There's a lot less time and money involved in replacement, too.



Fifteen-inch or thirty-inch rows? Switching spacing by lowering the rear rank of row units is accomplished in a flash. Just press the switch on the frame-control box, hit the SCV lever, and down the rank goes. (Five center rows on rear rank are lowered manually.)



Get your corn off and growing with liquid starter fertilizer. A 420 US gallon mounted tank is available for the 30-foot model. For 40-foot models, liquid fertilizer options include pulling up to a 2,000 US gallon nurse tank or mounting saddle tanks on the tractor.



The single-disk fertilizer opener works well for most no-till, double-crop, and reduced-till fields, plus firm-soil conventional seedbeds. A 13-inch rubber wheel gauges depth and minimizes soil disruption. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.



The Central Insecticide System (CIS) combines the performance of liquid insecticide with the convenience of the Central Commodity System. Simply load the cabinet with boxes of liquid insecticide, fill the frame-mounted tanks with water, and prime the system. The entire system is completely closed to ensure your safety. Best of all, you can plant for hours without stopping for an insecticide refill. The CIS is available on 30- and 40-foot 1795s on 30-inch spacing with either MaxEmerge 5, MaxEmerge 5e, or ExactEmerge row units and the Central Commodity System.

DB Series:

Stretch your productivity

If you're looking for a productive, all-purpose planter that can help you make the most of your narrow planting window, ask your dealer about the incredible DB Series Planters from John Deere. These acre-hungry machines will help you finish faster.

The DB Planters are available in ten configurations, with widths from 44 to 120 feet, for 20-inch, 22-inch and 30-inch row markets. There's also a split-row model. All have the features and options you need for true planting efficiency and versatility. Our John Deere row-units and vacuum seed meters lead the industry in accuracy, adjustability, and planting speed.

A range of seed-carrying capacities increases your flexibility and reduces refill stops. Plus you can add the Central Insecticide System and shave hours off your refilling time. And reliability? Don't worry – these planters and their frames are among the toughest around, with plenty of 7x7 steel framing to tie everything together.

Steerable Axles: With long planters like these, tight turns can make you nervous. But fear not. Thanks to optional steerable axles, the DB Series can cut corners with no trouble at all so you can get in and out of the field worry-free. Just hook the axles up to an independent hydraulic SCV on the tractor and you're ready to go.

(Not available on DB60 models)



DB Planter Models									
Model	ExactEmerge™	MaxEmerge™ 5e	MaxEmerge™ 5	CCS*	CIS**	15-in. row spacing	20-in. row spacing	22-in. row spacing	30-in. row spacing
44 ft (24 row)	X	X	X	X				X	
60 ft (24 row)	X	X	X	X	X				X
60 ft (36 row)	X	X	X	X			X		
60 ft (48 Split-row)	X	X	X	X		X			X
60 ft (47 Split-row)	X	X	X	X	X	X			X
60 ft (72 Twin-row)			X	X			Twin-row only		
66 ft (36 row)	X	X	X	X				X	
80 ft (48 row)	X	X	X	X			X		
80 ft (32 row)	X	X	X	X	X				X
88 ft (48 row)	X	X	X	X				X	
90 ft (36 row)	X	X	X	X	X				X
90 ft (54 row)			X	X			X		
120 ft (48 row)			X	X					X

*CCS available with all row units.

**Central Insecticide System available with CCS machines only.

The unique frame weight distribution feature evenly spreads the weight across the entirety of a DB60 model bar to take the pressure off the center of the frame.



PLANTING EQUIPMENT *DB Series Planters*



An easy-to-use control box lets you fold and unfold the DB Planter from the tractor cab. DB60s equipped with MaxEmerge 5e or ExactEmerge benefit from on-screen folding.



Can 44- to 120-foot planters really fold to a manageable transport size? You bet! In fact, the front-fold design of the DB Series Planters keeps transport widths between 15- and 17.6-feet. Lengths vary, but all are less than 62 feet. Ample underframe clearance (22 to 26 inches) during transport makes it easy to clear obstacles.



Large walking wing wheels keep the DB Planters floating on top of the ground, while wheel spacing improves residue flow. Wing cylinders have locking brackets for safety.



All DB Series planters have superior flexibility for even-depth planting when working rolling ground. Each wing flexes 15 degrees up and down relative to the planter's center section.



The Central Insecticide System is a revolutionary closed-handling system that's designed to give you both effective corn rootworm control and exceptional planter productivity.

DR Series: Putting the 'custom' back in customer

There's a number of seeding applications in today's farming, and some require more unique planter configurations than others. So to help meet every niche and every gap, John Deere has partnered with Orthman® Manufacturing to pair our newest MaxEmerge™ 5 row units with their rugged, wide-working stack-fold tool bars to provide you with superior planting productivity in that ever-special design you need. We call it the DR Series.

But let's call it what it really is ... **versatile**. 12-, 16-, 18-, or 24-row models support a wide variety of spacing options, from the common to the particular. And along with the many exclusive selections, the DR Series also includes an 8x2 twin-row machine that excels in all conditions, especially conventional and reduced-tillage practices. From peanuts to corn, soybeans to edible beans, the DR8T planter is geared up to handle the task at hand.

All in all, the DR Series gives producers the **flexibility, capacity and cost of ownership** that can make just about any operation more efficient and more profitable. See your John Deere dealer for a full list of customizable DR options and choose the one that's perfect for your operation.





Central Commodity System: Efficiency is having the right system in place

Stop us if you've heard this before: Start. Stop. Refill. How about we stop stopping? With the John Deere Central Commodity System (CCS), quick and efficient seed delivery keeps you on schedule, both yours and Mother Nature's. Because planting windows are tight enough. Last thing you need is to waste valuable hours refilling.

With this bulk-fill approach (either 70- or 100-bushel capacity), you can continue planting and not refilling. Best of all, because it uses air to carry seed, it's as reliable as it is gentle on seed, helping to maintain the quality of your input. And just imagine that by using a CCS you can save 13 hours when compared to a 31Row15 planter with 1.9-bushel hoppers across 1,000 acres each of corn and beans – a real time-saver, indeed.

The CCS gives you a John Deere planter that helps you get through the fields faster at one of the most significant times of the farming cycle. So we made sure to equip it on some of our most labor-intensive models, including the 1725 CCS Stack-fold Planter, 1795 Front-fold Planter, 1775NT CCS Planter, DR Series Planters, and DB Series Planters.



Air flow from the hydraulically driven fan performs two tasks: 1) it pressurizes the central seed tanks, and 2) it delivers seed to the mini hopper.

The system works like this: Air flow enters the seed tanks through a nozzle in the manifold, which pressurizes the tank. The air then picks up seed and moves out the other end of the nozzle into seed-delivery hoses. These hoses route the seed toward the hopper. Note how little seed is in the delivery tubes. One advantage to the CCS is the small amount of seed it takes to prime the system.

'Cap-size': Get extra capacity for higher seed corn production

As you may have noticed, the industry has primarily moved to refuge in a bag for growers using Bt corn technology with an Insect Resistance Management (IRM) plan. Whether you still need Bt and non-Bt corn to be separate or you're just looking for an additional 25 bushels of seed capacity, Refuge Plus provides an optimum solution for either requirement.



This option adds a third, 25-bushel tank ahead of the two standard CCS seed tanks – that's up to 125 bushels! Available on select CCS planters.



Choice of seed hose routing. Whether you're planting Bt and non-Bt corn hybrids, or male and female inbred seed for seed corn production, the Refuge Plus option allows you to easily customize your planting patterns.



Whether you're using bags or an auger, the CCS tanks are positioned on the frame to make filling a comfortable task. Lids are approximately waist-height, so they're convenient to reach.



The hopper fills with seed until the delivery hose is covered. Once the opening is restricted, seed flow through the hose stops. Air flowing to the row unit travels into the hopper and out through a vent. As the seed is picked up by the meter and planted, the seed pool shrinks until the end of the delivery house is uncovered. At that point, the air flow and seed delivery resume, and the seed pool in the hopper is replenished.



With the design of our mini hoppers, you get a straight entry hose directly from the CCS tank to offer better seed flow into the mini-hopper. Even better, with the improved flow of material, it will cut down on potential plugging. Not to mention it will enhance the planter's ability to maintain your target population.

Cut seed costs by cutting corners with RowCommand

These days, no one can afford to waste seed. Which is why more of you are investing in RowCommand Row-Control System, so you can put seed exactly where you want, and nowhere you don't. Over-planting of point rows and on headlands will no longer be a problem.

How does it work? Mechanically driven planters use an electric clutch on each row and a controller in the cab providing up to 16 sections. Electric drive planters have RowCommand in base equipment and use the drive motors to shut off rows. SeedStar 4HP provides up to 48 sections for individual row control.

Operate the system manually by using the in-cab controls, or opt up to the gold standard in precision planting by pairing RowCommand with John Deere Section Control. This software allows you to turn planter sections or rows on and off automatically based on GPS.

RowCommand is available for most planters equipped with MaxEmerge™ 5 row units. It's also available for chain drive planters as a field conversion attachment. Talk to your dealer for more information.

Section Control for Planters

Helps save seed. This system provides automatic section control for both air carts and planters and turns individual sections on and off, all with GPS technology. Reduce overlap in broad-acre and row-crop applications. You'll also realize potential yield gains, reduce operator fatigue, and improve machine efficiency.

With the SeedStar™ XP and SeedStar™ 2 controllers, Section Control and RowCommand are completely integrated. You won't need a rate controller or additional harnessing. It's a seamless, simple system.

Integration pays off in another way, too: A single Section Control activation can be leveraged across your sprayer, nutrient applicator, and planter or air seeder.



RowCommand (available only for MaxEmerge 5) controls seed output on mechanically-driven planters by using a clutch inside each Pro-Shaft drive gear box. The housing is sealed to provide protection from the elements for long-lasting, trouble-free operation.

This electronic power module is the heart of the RowCommand system. Low-voltage CAN messaging signals power to the desired Pro-Shaft drive. In the event of a clutch failure the meter keeps planting.

Yes, you can retrofit your current planter with RowCommand! A field conversion bundle is available for today's planters that are equipped with Pro-Shaft drives. You'll also need a planter mainframe harness, SeedStar 2 or SeedStar XP controller (wedgebox), and an additional CAN harness to complete the conversion.



Put nutrients in their place

John Deere has a fertilizer system to meet your needs – whether you apply liquid or dry fertilizer, and regardless of your tillage approach. Plus, it's available for MaxEmerge 5, MaxEmerge 5e, and ExactEmerge™.

Big fertilizer capacity keeps you planting, not refilling. Dry fertilizer hoppers hold 550 pounds of granular product (per two rows). Liquid fertilizer tanks vary in capacity, depending on your planter model.

Opener choices are wide-open. See specifics on this page and ask your dealer for more information on the right opener for your fields.

Each fertilizer hopper holds about 550 pounds of dry fertilizer for longer running intervals. The lid opens wide for fast filling, and the entire hopper pivots for easy dumping. Available on 1755, 1775, and 1785 Planters. Drives and transmissions are included.

Large liquid fertilizer tanks (600 US gallons on 16-row and 24-row, 450 US gallons on 12-row) boost productivity. One tank means fluid doesn't transfer when planting slopes. For even more capacity, add an optional rear trailer hitch to tow a fertilizer nurse tank.



Unit-mounted single-disk liquid-fertilizer injection system openers use a single, 50-wave coulters to penetrate tough seedbeds. The liquid fertilizer is injected into the soil directly behind the coulters. For use with select planter models.



Unit-mounted double-disk openers for liquid fertilizer disturb less soil. Fertilizer can be placed even with seed depth or one inch below. The opener can be positioned up to 2 1/4 inches off the row. Ideal for conventional, reduced-till, and light no-till fields.



This frame-mounted double-disk opener is an excellent match for conventional- or reduced-till fields. (Not compatible with a frame-mounted coulters.)

The single-disk fertilizer opener works well for no-till, double-crop, and reduced-till fields, plus firm-soil conventional seedbeds. A 13-inch rubber wheel gauges depth and minimizes soil disruption. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.





Customize your John Deere planter for your conditions

Match your planter to your planting conditions with customized John Deere options. A full range of attachments and accessories allows you to tailor your planter to your specific soil types and residue levels... from no-till corn trash to sticky gumbo and everything in between.

The residue management systems listed are available for select models of planters with MaxEmerge™ 5 row units. To learn more about how to adapt your planter to match your fields and planting conditions, ask your John Deere dealer for specifics.



Match your field conditions with one of three coulters. All are compatible with unit-mounted arms or any John Deere row cleaner. Only the bubble coulters is compatible with frame-mounted arms.

A) 25-Wave (0.63-inch): Creates extremely fine tilth in an area about 7/8-inch wide. Works well on wet, spongy soil that can be tight and difficult for proper furrow closing.

B) 13-Wave (0.7-inch): Tills an area about 1-inch wide at speeds under 6 miles per hour. Gives more aggressive soil disruption at slower speeds. It fractures the soil more, opening a wider slot of fine tilth.

C) Bubble: Tills more aggressively as bubbles enter the seedbed zone. Opens a 1-inch-wide slot. Penetrates soil and cuts through residue well.



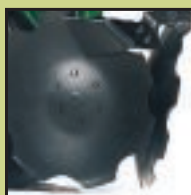
runs smoothly in any condition.

Our easy-adjust pneumatic row cleaners make life a bit less stressful, offering a 75% time improvement to adjust a single row cleaner. Just add that up: for a 24-row machine, that's an impressive 10 minutes of reduced downtime. More importantly, they make light work of heavy crop residue so that your planter



Compatible with bubble coulters. Remember: never set coulters to run deeper than openers.

Unit-mounted coulters use the weight and gauging ability of the planter unit in reduced-till conditions. Choose fluted or bubble blades. Frame-mounted coulters (not shown) resist row-unit damage in rocky fields. Includes parallel arms, special mounting bracket, and adjustable downforce springs.



ability of the disks. This attachment is not compatible with unit- or frame-mounted coulters.

Conservation disk furrow can be used in tilled soil to move dry soil and trash to each side, allowing openers to plant into moist soil. Two 13-inch cutout leading blades provide for aggressive cutting. You can adjust depth and blade angle to match conditions. Effectiveness is limited by the cutting



unit. Plus, the compact design also offers greater compatibility with fertilizer openers and other planter attachments.

Get up close and professional with this screw-adjust row cleaner. Mounted directly to the face plate of the row unit - just in front of the row unit opener blades and depth gauge wheels - the close proximity allows the gauge wheels to control the depth of the row cleaner, as well as the row



These heavy-duty, frame-mounted coulters are ideally suited to planting in rocky soil conditions.



Downforce

The pneumatic downforce system (left) offers a centralized location for quick, easy adjustment for all



row-units. To closely match your specific conditions, this system is infinitely variable up to 400 pounds per row. And once you set the desired down-pressure, it's maintained throughout the full range of row-unit travel. Standard on 1775NT, 1795, and DB Series planters.

Closing Systems

Positive seed-to-soil contact is critical for quick germination. John Deere offers a full selection of closing systems to match your crops and soil conditions.

A) All-new pneumatic closing wheels offer up to an additional 70 lbs of downforce applied at the seed trench for optimum seed-to-soil contact. And how about the fact that this closing system is fully integrated into your GreenStar Display – make all of your adjustments in just a matter of seconds, all from the comfort of your cab. Available on ExactEmerge and MaxEmerge 5e as factory-installed and with retrofit kits.



B) Standard rubber-tire closing wheels work well for most conventional- to no-till fields. You can adjust the spacing between the wheels, as well as stagger them for improved residue flow.



C) Cast-iron closing wheels are suggested for tough soil and heavy residue where more pressure is needed to close the furrow. Angle and stagger adjustments are identical to standard rubber wheels.



D) The disk closing system* is recommended for planting at shallow depths in light, sandy soil. The disks push soil against and over the seed, while the wide press wheel applies light pressure for good seed-to-soil contact.

*Not available on the Pro-Series row unit.



If you're not up for pneumatic downforce, try **hydraulic** out for size. It's not a question of 'if' it will hit your desired depth, but when. And that when is instantaneously. Individual Row Hydraulic Downforce can adjust five times per second to make adjustments

of 100 lbs in less than a second. With the faster per-row reaction and increased ground contact, you get greater even emergence with a yield improvement of 5-17%. Available on ExactEmerge™ and MaxEmerge 5e as factory-installed and with retro fit kits.



Keep row units from bouncing in heavy residue or tough soil with adjustable, heavy-duty downforce springs (left). You get four downforce settings per row: 0, 125, 250, or 400 pounds. And you can make adjustments without tools as your soil and residue conditions change. In conventional-till fields, consider

nonadjustable downforce springs (not shown). Single springs apply up to 90 pounds of downforce, while double springs offer up to 180 pounds per row.



Advancements that protect both you and your crop.

Become more efficient during the planting season with the Central Insecticide System. Designed to work with Force® CS, this closed-handling system gives you efficient, hassle-free corn rootworm control, plus legendary John Deere CCS planter productivity. Available on MaxEmerge™ 5, MaxEmerge 5e, and ExactEmerge™ row units

Simply load boxes of highly-concentrated insecticide into the cabinet and fill the frame-mounted tank with water. That's all there is to it. No measuring and manual mixing of chemicals. Plus, there are no row-unit hoppers on every row unit to fill, as with dry insecticide, so you'll spend less time filling and more time planting.



The CIS is compatible with Force CS, which is packaged in an easy-to-handle, easy-to-install box. Inside is a valved 2.5-gallon (US) bag of concentrated insecticide.

Important: Always read and follow label instructions before buying or using Force CS. Force 3G and Force CS are Restricted Use Pesticides. Force CS is not registered for use or sale in Canada. Force® and the Syngenta logo are trademarks of a Syngenta Group Company, used with permission. Central Insecticide System™ is a trademark of Deere & Company.



One-pass herbicide and/or insecticide application... convenience at its best.

Make each pass with your John Deere planter more productive by applying herbicide and/or insecticide in the same trip. John Deere offers a full selection of chemical-application options to fit the way you farm - for use with the MaxEmerge 5 row unit.

The granular chemical hopper holds 70 pounds of insecticide or herbicide, or 35 pounds of each when used with a special hopper divider. Large detented knobs have easy-to-read digits for quick, accurate settings. An easy-to-reach, push/pull knob lets you disengage the drive when chemical application isn't needed.

The drive system automatically engages and disengages for each hopper. And a single-pitch chain and slide idlers provide smooth, reliable metering.

The options mentioned here are just a sampling. For more options, see your John Deere dealer.



A 225 US-gallon liquid insecticide tank can be factory installed on both standard and CCS-equipped 1775NT planters (CCS Refuge Plus-equipped planters get an appropriately-sized tank). A rear hitch with a towing capacity of 2,000 US gallons is available for tow-behind fertilizer carts.



An L-shaped bracket mounts to the front of the closing wheel casting for accurate in-furrow placement. Or, attach the front-mounted spreader to band chemicals in a 7-inch-wide pattern.



Chemical application option

Lay down granular insecticide or herbicide with each seed pass to improve your overall productivity. Available on Pro-Shaft drive mini-hoppers and 1.6-bushel hoppers.



Place herbicide where it does the best job. You can band herbicide behind the closing wheels with this rear-mounted diffuser. Herbicide is distributed in a 14-inch-wide band. Add a rear-mounted windshield to keep the application pattern on target.



Apply both granulars behind the closing system. This rear-mount insecticide spreader with herbicide diffuser applies insecticide in a 7-inch band and herbicide in a 14-inch band.



Place two chemicals in-furrow with one convenient hose position. The "Y" hose adapter lets you place both insecticide and herbicide in one location.



Spray nozzles apply the solution in a T-band over the furrow. The nozzle reduces drift and sprays close to the ground so the solution won't get on seed tubes or closing wheels.



Available on all John Deere Planters, the Chemical-Saver meter roller reduces leakage when turning and in transport. Apply herbicide and insecticide at rates of 8 ounces or less per 1,000 feet, which covers most chemicals currently used. For higher rates, use the black fluted roller.



The CIS monitor gives you easy control over application rates and lets you keep track of water and chemical usage. The monitor is tied into your planter's monitoring system, so it automatically adjusts the application rate to match your operating speed, which helps save costly application errors. Dry boxes don't offer this level of accuracy and efficiency.

PLANTING EQUIPMENT *Drawn planter specifications and transport dimensions*

DRAWN PLANTER MODEL:

1755 DRAWN	1765NT WING-FOLD	1765 WING-FOLD CONSERVATION	1775 FRONT-FOLD CONSERVATION	1775NT NARROW TRANSPORT	1775NT CENTRAL COMMODITY SYSTEM	1785 RIGID NARROW-ROW	1795 FRONT-FOLD
Row Units							
ME5	ME5	ME5	ME5	ME5	EE / ME5e / ME5	ME5	EE / ME5e / ME5
Configurations: W = 36 or 38 in. (91 or 97 cm) N = 30 in. (76 cm)							
4 rows (W) 4, 6, 8 rows (N)	6, 8 rows (N)	12 rows (N)	12 rows (N)	12,16, 24 rows (N)	12,16, 24 rows (N)	6/11, 8/15 rows (N)	12/23, 12/24 rows (N) 16/31, 16/32 rows (N) 24Row20
Frame Type							
Rigid	Rigid	Rigid; Flex (optional)	Flex	Flex	Flex	Rigid	Flex
Mainframe Size							
7x7 in. (178x178 mm)	7x7 in. (178x178 mm)	7x7 in. (178x178 mm)	7x7 in. (178x178 mm)	7x7 in. (178x178 mm)	7x7 in. (178x178 mm)	7x7 in. (178x178 mm)	7x7 in. (178x178 mm)
Flexibility							
None	None	2-section 20 deg. up, 20 deg. down	2-section 20 deg. up, 30 deg. down	3-section 21 deg. up, 21 deg. down	3-section 21 deg. up, 21 deg. down	None	3-section flex 15 deg. up, 15 deg. down
Lift System							
Wheel module	Wheel module	Wheel module	Wheel module	Wheel module	Wheel module	Drop axle	Wheel module
Hydraulic Control							
Series rephasing; master cylinder	Master/slave rephasing pairs	Master/slave rephasing pairs				Hooked parallel to drop axle	
Fold							
None	Manual (6Row); hydraulic (8Row)	Hydraulic	Hydraulic fold with manual lock	Hydraulic front-fold	Hydraulic front-fold	None	Hydraulic front-fold
Drive Type							
Single-pitch, chain, optional hydraulic drive	Tire-contact, optional hydraulic drive	Tire-contact, optional hydraulic drive	Tire-contact, optional hydraulic drive	Tire-contact, optional hydraulic drive, or electric	Tire-contact, optional hydraulic drive, or electric	Tire-contact	Tire-contact, optional hydraulic drive, or electric
Drive Disconnect							
Yes	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Number of Drive Wheels							
4 (8Row); 2 (4Row; 6Row)	1 for seed; 1 for liquid fertilizer (opt.)	1 for seed; 1 for liquid fertilizer (opt.)	1 for seed; 1 for fertilizer	1 for seed; 1 for liquid fertilizer (opt.)	1 for seed; 1 for liquid fertilizer (opt.)	1 for seed; 1 for fertilizer (opt.)	1 for seed; 1 for fertilizer (opt.)

(Specifications and design subject to change without notice.)

DRAWN PLANTER TRANSPORT DIMENSIONS

	WIDTH	HEIGHT
1755 Drawn		
4-row (30, 36, 38 in.) (76, 91.5, 96.5 cm)	13 ft. 10 in. (4.2 m)	9 ft. 4 in. (2.8 m)
6-row (30 in.) (76 cm)	15 ft. 8 in. (4.8 m)	11 ft. 6 in. (3.5 m)
8-row (30 in.) (76 cm)	24 ft. (7.3 m)	9 ft. 6 in. (2.9 m)
1765NT Wing-Fold		
6-row (30 in.) (76 cm)	12 ft. (3.7 m)	11 ft. 8 in. (3.6 m)
8-row (30 in.) (76 cm)	12 ft. (3.7 m)	10 ft. 9 in. (3.3 m)
1765 Wing-Fold Conservation		
12-row (30 in.) (76 cm)	15 ft. 8 in. (4.8 m)	10 ft. (3.1 m)
1775 Front-Fold Conservation		
12-row (30 in.) (76 cm)	15 ft. 2 in. (4.6 m)	11 ft. 3 in. (3.4 m)
1775NT		
12-row (30 in.) (76 cm)	12 ft. (3.7 m)	12 ft. 6 in. (3.8 m)
16-row (30 in.) (76 cm)	12 ft. (3.7 m)	12 ft. 6 in. (3.8 m)
24-row (30 in.) (76 cm)	12 ft. (3.7 m)	12 ft. 6 in. (3.8 m)
1775NT Central Commodity System		
12-row (30 in.) (76 cm)	12 ft. (3.7 m)	12 ft. 6 in. (3.8 m)
16-row (30 in.) (76 cm)	12 ft. (3.7 m)	12 ft. 6 in. (3.8 m)
24-row (30 in.) (76 cm)	12 ft. (3.7 m)	12 ft. 6 in. (3.8 m)
1785 Rigid Narrow-Row		
6/11-row (30/15 in.) (76, 38 cm)	16 ft. 3 in. (5.0 m)	11 ft. (3.4 m)
8/15-row (30/15 in.) (76, 38 cm)	23 ft. 1 in. (7.0 m)	9 ft. 9 in. (3.0 m)
1795 Front-Fold		
12/23-row (30/15 in.) (76, 38 cm)	12 ft. (3.7 m)	12 ft. 5 in. (3.8 m)
12/24-row (30/15 in.) (76, 38 cm)	12 ft. (3.7 m)	12 ft. 5 in. (3.8 m)
16/31-row (30/15 in.) (76, 38 cm)	12 ft. (3.7 m)	12 ft. 5 in. (3.8 m)
16/32-row (30/15 in.) (76, 38 cm)	12 ft. (3.7 m)	12 ft. 5 in. (3.8 m)
24-row (20 in.) (51 cm)	12 ft. 11 in. (3.9 m)	12 ft. 5 in. (3.8 m)



PLANTING EQUIPMENT *Integral planter specifications and transport dimensions*

INTEGRAL PLANTER MODEL:

1705 RIGID	1705T	1715 VERTICAL-FOLD	1725 STACK-FOLD	1725 TWIN-ROW	1725 C	1725 CCS
Row Units						
ME5	ME5	ME5	ME5	ME5	EE / ME5e	EE / ME5e / ME5
Configurations: W = 36, 38, or 40 in. (91, 97, or 102 cm) N = 30 in. (76 cm)						
4, 6, 8 rows (W)	6x2 rows 36 or 38 in. (91 or 97 cm)	12 rows (N)	8, 12 rows (W)	12x2 rows (W)	12 rows (W)	16 rows (N)
4, 6, 8, 10 rows (N)			12, 16 rows (N)			
Frame Type						
Rigid	Rigid	Vertical-fold	Stack-fold: Rigid, Flex*	Stack-fold	Stack-fold: Rigid, Flex	Stack-fold: Rigid, Flex
Mainframe Size						
7x7 in. (177x177 mm)	7x7 in. (177x177 mm)	7x7 in. (177x177 mm)	7x7 in. (177x177 mm)	7x7 in. (177x177 mm)	7x7 in. (177x177 mm)	7x7 in. (177x177 mm)
Flexibility						
None	None	3-section 8 deg. up, 6.5 deg. down	3-section 10 deg. up, 7 deg. down	3-section 10 deg. up, 7 deg. down	3 section 10 deg. up, 7 deg. down	3 section 10 deg. up, 7 deg. down
Hitch and Lift System						
Cat. 2 with or without Quick-Coupler; Cat. 3 with Quick-Coupler	Cat. 3 with Quick-Coupler	Cat. 2 with or without Quick-Coupler; Cat. 3 with Quick-Coupler	Cat. 3 with Quick-Coupler	Cat. 3 with Quick-Coupler	Cat. 3 with Quick-Coupler	Cat. 3 with Quick-Coupler
Fold						
None	None	Hydraulic vertical wing-fold with manual locks	Hydraulic over-center stack-fold	Hydraulic over-center stack-fold	Hydraulic over-center stack-fold	Hydraulic over-center stack-fold
Seed Transmissions						
One rear-mounted	Mechanical Transmission Optional Variable-Rate Drive	One rear-mounted 16Row30, Variable-Rate Drive	Tire-contact, optional hydraulic drive	3 mechanical transmissions w/ground drives, or 3 VRD hydraulic motors	Electric Drive only	Variable-Rate Drive, or Electric Drive
Drive Wheels						
2	2	2 (flex-frame); 4 (if locked rigid)	2 (flex-frame); 4 (rigid-frame)	4	Not Applicable	Not Applicable
Dual Lift-Assist Wheels (optional)						
Straight	Straight	Straight	Straight 16Row30, Base equipment	Straight	Not Applicable	Base equipment

INTEGRAL PLANTER MODEL:

1725 NT	1735 NARROW-ROW
Row Units	
EE / ME5e	ME5
Conf: W = 36, 38, or 40 in. (91, 97, or 102 cm) N = 30 in. (76 cm)	
8rows (N)	6/11, 8/15 rows (W) 6/11, 8/15 rows (N) 12 rows (22-in.)
Frame Type	
Stack-fold: Rigid while planting	Rigid
Mainframe Size	
7x7 in. (177x177 mm)	7x7 in. (177x177 mm)
Flexibility	
3 section	None
5 deg. up, 5 deg. down	
Hitch and Lift System	
Cat. 3 with or without Quick-Coupler	Cat. 2 with or without Quick-Coupler; Cat. 3 with Quick-Coupler
Fold	
Hydraulic over-center stack-fold	None
Seed Transmissions	
Electric Drive only	One front-mounted
Drive Wheels	
Not Applicable	2
Dual Lift-Assist Wheels (optional)	
Not Applicable	Arched

INTEGRAL PLANTER TRANSPORT DIMENSIONS

WIDTH

HEIGHT

1705 Rigid Integral		
4-row (30, 36, 38, 40 in.) (76, 91.5, 96.5, 101.6 cm)	13 ft. 3 in. (4.1 m)	9 ft. 6 in. (2.9 m)
6-row (30 in.) (76 cm)	16 ft. 4 in. (5.0 m)	9 ft. 6 in. (2.9 m)
6-row (36, 38, 40 in.) (91.5, 96.5, 101.6 cm)	23 ft. 1 in. (7.0 m)	10 ft. 1 in. (3.1 m)
8-row (30 in.) (76 cm)	23 ft. 1 in. (7.0 m)	10 ft. 1 in. (3.1 m)
8-row (36, 38, 40 in.) (91.5, 96.5, 101.6 cm)	28 ft. 10 in. (8.8 m)	12 ft. 4 in. (3.8 m)
10-row (30 in.) (76 cm)	28 ft. 10 in. (8.8 m)	12 ft. 4 in. (3.8 m)
1705T Rigid Integral		
6/2 rows (36 or 38 in.)	19 ft. 3 in. (5.9 m)	8 ft. (2.4 m)
1715 Vertical-Fold		
12-row (30 in.) (76 cm)	20 ft. 6 in. (6.3 m)	13 ft. (4.0 m)
1715 Twin-Row		
12/2 rows (36 or 38 in.)	23 ft. 4 in. (7.1 m)	14 ft. (4.3 m)
1725 C		
12-row (36 in.) (91.5 cm)	22 ft. (6.7 m)	13 ft 5 in (4.1 m)
12-row (38 in.) (96.5 cm)	23 ft 2 in (7.1 m)	13 ft 10 in (4.2 m)
12-row (40 in.) (101.6 cm)	23 ft 2 in (7.1 m)	13 ft 10 in (4.2 m)
1725 CCS		
16-row (30 in.)	23 ft. 3 in. (7.1 m)	14 ft. (4.3 m)
1725 NT		
8-row (30 in.) (76 cm)	9 ft. 10 in. (3 m)	13 ft. 1 in. (4 m)
1725 Stack-Fold		
8-row (36 in.) (91.5 cm)	16 ft. 5 in. (5.0 m)	11 ft. 2 in. (3.4 m)
8-row (38, 40 in.) (96.5, 101.6 cm)	17 ft. 5 in. (5.3 m)	11 ft. 2 in. (3.4 m)
12-row (30 in.) (76 cm)	20 ft. 3 in. (6.2 m)	11 ft. 8 in. (3.6 m)
12-row (36 in.) (91.5 cm)	19 ft. 6 in. (5.9 m)	13 ft. 3 in. (4.1 m)
12-row (38, 40 in.) (96.5, 101.6 cm)	23 ft. 8 in. (7.3 m)	13 ft. 3 in. (4.1 m)
16-row (30 in.) (76 cm)	26 ft. 8 in. (8.1 m)	13 ft. 2 in. (4.1 m)
1735 Narrow-Row		
6/11-row (30/15 in.) (76/38 cm)	15 ft. 9 in. (4.8 m)	11 ft. 5 in. (3.5 m)
6/11-row (36/18, 38/19, 40/20 in.) (91.5/45.7, 96.5/48, 101.6/51 cm)	20 ft. 9 in. (6.3 m)	9 ft. 6 in. (2.9 m)
8/15-row (30/15 in.) (76/38 cm)	20 ft. 9 in. (6.3 m)	9 ft. 6 in. (2.9 m)
8/15-row (36/18, 38/19, 40/20 in.) (91.5/45.7, 96.5/48, 101.6/51 cm)	27 ft. 9 in. (8.5 m)	9 ft. 6 in. (2.9 m)
12-row (22 in.) (56 cm)	25 ft. 10 in. (7.9 m)	12 ft. 4 in. (3.8 m)

Base-equipped machines. (Specifications and design subject to change without notice.)



PLANTING EQUIPMENT *DB planter specifications and transport dimensions*

DB PLANTER MODEL:	DB44 – 24R	DB60 – 24R	DB60 – 36R	DB60 – 47R SPLIT-ROW	DB60 – 72R TWIN-ROW	DB66 – 36R	DB80 – 32R
Row Unit	EE / ME5e / ME5	EE / ME5e / ME5	EE / ME5e / ME5	EE / ME5e / ME5	ME5 (Mini hoppers only)	EE / ME5e / ME5	EE / ME5e / ME5
Frame (Bauer Built Mfg):							
Control	Frame control	Frame control	Frame control	Frame control	Frame control	Frame control	Frame control
Type	3-section front-fold	3-section front-fold	3-section front-fold	3-section front-fold	3-section front-fold	3-section front-fold	5-section front-fold
Tool bar	7x7-in. (178x178 mm)	7x7-in. (178x178 mm)	7x7-in. (178x178 mm)	7x7-in. (178x178 mm)	7x7-in. (178x178 mm)	7x7-in. (178x178 mm)	7x7-in. (178x178 mm)
Location of row units on frame:							
Center section	8 units	6 units	10 units	13 units	20 units	10 units	6 units
On each wing	8 units	9 units	13 units	17 units	26 units	13 units	13 units
Flexibility (wings):							
	Each wing flexes 15 degrees up and down relative to each other						
Lift system type (wheel module):							
	Electrohydraulic series rephasing cylinders						
Tires:							
Drive tires/wings	4 – 31 - 13.5 x 15	4 – 31 - 13.5 x 15	4 – 31 - 13.5 x 15	4 – 31 - 13.5 x 15	4 – 31 - 15.5 x 16.5	4 – 31 - 13.5 x 15	4 – 31 - 13.5 x 15
Seed transmission tire (2)	9.50x18 4 PR turf tire						
Transport tires	4 – 31 - 13.5 x 15	4 – 445/50R 22.5	4 – 445/50R 22.5	4 – 445/50R 22.5	4 – 600/40-22.5 12PR	4 – 445/50R 22.5	4 – 445/50R 22.5
Drives:	Hydraulic variable-rate drive standard on all models						
Number of rows:							
	24 rows on 22-in spacing	24 rows on 30-in spacing	36 rows on 20-in. spacing	47 rows on 15-in. spacing	72 rows on twin-row 20-in. spacing	36 rows on 22-in. spacing	32 rows on 30-in. spacing
Planting units (John Deere):							
Meter	Vacuum - 2 blower system	Vacuum - 2 blower system	Vacuum - 2 blower system	Vacuum - 3 blower system	Vacuum - 4 blower system	Vacuum - 2 blower system	Vacuum - 2 blower system
Central Commodity System							
	100 bushels; 125 bushels with Refuge Plus option	100 bushels; 125 bushels with Refuge Plus option	100 bushels; 125 bushels with Refuge Plus option	100 bushels; 125 bushels with Refuge Plus option	125 bushels with Refuge Plus option	100 bushels; 125 bushels with Refuge Plus option	100 bushels; 125 bushels with Refuge Plus option
Capacities per row:							
Seed	1.6 bu. (0.6 m³) or mini seed hoppers*	Mini seed hoppers only	1.6 bu. (0.6 m³) or mini seed hoppers*	Mini seed hoppers only	Mini seed hoppers only†	1.6 bu. (0.6 m³) or mini seed hoppers*	1.6 bu. (0.6 m³) or mini seed hoppers*
Granular Insecticide		70 lb. (32 kg)	70 lb. (32 kg)				70 lb. (32 kg)
* Not compatible with granular chemical hopper							
Additional Specs							
Marker system:	Fold-over hydraulic markers	Fold-over hydraulic markers	Fold-over hydraulic markers	Fold-over hydraulic markers	Fold-over hydraulic markers	Fold-over hydraulic markers	Fold-over hydraulic markers
Monitor system:	SeedStar 2 (standard)	SeedStar 2 (standard)	SeedStar 2 (standard)	SeedStar 2 (standard)	SeedStar XP**	SeedStar 2 (standard)	SeedStar 2 (standard)
Tractor hitch required:	Drawbar (with heavy-duty drawbar support system) standard on all models						

PLANTING EQUIPMENT *DB planter specifications and transport dimensions*

DB80 – 48R	DB88 – 48R	DB90 – 36R	DB90 – 54R	DB120 – 48R
EE / ME5e / ME5	EE / ME5e / ME5	EE / ME5e / ME5	ME5	ME5
Frame control	Frame control	Frame control	Frame control	Frame control
5-section front-fold	5-section front-fold	5-section front-fold	5-section front-fold	5-section front-fold
7x7-in. (178x178 mm)	7x7-in. (178x178 mm)	7x7-in. (178x178 mm)	7x7-in. (178x178 mm)	7x7-in. (178x178 mm)
10 units	10 units	6 units	12 units	6 units
19 units	19 units	8 inner, 7 outer	12 inner, 9 outer	9 inner, 12 outer
4 – 31 - 13.5 x 15	4 – 31 - 13.5 x 15	N/A	N/A	N/A
4 – 445/50R 22.5	4 – 445/50R 22.5	4 – 445/50R 22.5	4 – 445/50R 22.5	4 – 445/50R 22.5
48 rows on 20-in. spacing	48 rows on 22-in. spacing	36 rows on 30-in. spacing	54 rows on 20-in. spacing	48 rows on 30-in. spacing
Vacuum - 4 blower system	Vacuum - 4 blower system	Vacuum - 3 blower system	Vacuum - 4 blower system	Vacuum - 4 blower system
100 bushels; 125 bushels with Refuge Plus option	100 bushels; 125 bushels with Refuge Plus option	100 bushels; 125 bushels with Refuge Plus option	100 bushels; 125 bushels with Refuge Plus Option	125 bushels with Refuge Plus option
Mini seed hoppers only	Mini seed hoppers only	Mini seed hoppers only	Mini seed hoppers only [†]	Mini seed hoppers only [†]
Fold-over hydraulic markers	Fold-over hydraulic markers	Fold-over hydraulic markers	Fold-over hydraulic markers	N/A
SeedStar 2 (standard)	SeedStar 2 (standard)	SeedStar 2 (standard)	SeedStar 2 (standard)	SeedStar 2 (standard)

Base-equipped machines. (Specifications and design subject to change without notice.)

DB PLANTER TRANSPORT DIMENSIONS	WIDTH	HEIGHT	LENGTH	UNDERFRAME CLEARANCE	ESTIMATED WEIGHT (BASE MODEL)
DB44 – 24R	^{††} 15-ft. (4.6 m)	10-ft. (3 m)	37-ft. (11.3 m)	22-in. (55.9 cm)	20,600 lb. (9,344 kg)
DB60 – 24R	17-ft. 6-in. (5.3 m)	10-ft. (3 m)	41-ft. (12.5 m)	22-in. (55.9 cm)	30,850 lb. (13,990 kg)
DB60 – 36R	16-ft. (4.9 m)	10-ft. (3 m)	41-ft. (12.5 m)	22-in. (55.9 cm)	34,800 lb. (15,785 kg)
DB60 – 47R Split-Row	17-ft. 6-in. (5.3 m)	10-ft. (3 m)	42-ft. (12.8 m)	22-in. (55.9 cm)	38,960 lb. (17,672 kg)
DB60 – 72RR Twin-Row	19-ft. 4-in (5.9 m)	10-ft. (3 m)	41-ft. (12.5 m)	22-in. (55.9 cm)	44,380 lb. (20,130 kg)
DB66 – 36R	17-ft. 6-in. (5.3 m)	10-ft. (3 m)	46-ft. (14 m)	22-in. (55.9 cm)	35,530 lb. (16,116 kg)
DB80 – 32R	^{††} 16-ft. (4.9 m)	12-ft. (3.7 m)	50-ft. (15.2 m)	26-in. (66 cm)	35,420 lb. (16,066 kg)
DB80 – 48R	16-ft. (4.9 m)	12-ft. (3.7 m)	50-ft. (15.2 m)	26-in. (66 cm)	38,800 lb. (17,599 kg)
DB88 – 48R	17-ft. 6-in. (5.3 m)	12-ft. (3.7 m)	55-ft. (16.8 m)	26-in. (66 cm)	40,900 lb. (18,552 kg)
DB90 – 36R	16-ft. (4.9 m)	12-ft. (3.7 m)	55-ft. (16.8 m)	26-in. (66 cm)	37,150 lb. (16,851 kg)
DB90 – 54R	16-ft. (4.9 m)	12-ft. (3.7 m)	55-ft. (16.8 m)	26-in. (66 cm)	46,140 lb. (20,929 kg)
DB120 – 48R	15-ft. (4.6 m)	12-ft. (3.7 m)	62-ft. (19.0 m)	26-in. (66 cm)	48,120 lb. (21,827 kg)

Maximum tractor hydraulic operating pressure: 3,000 psi (20,700 k Pa)

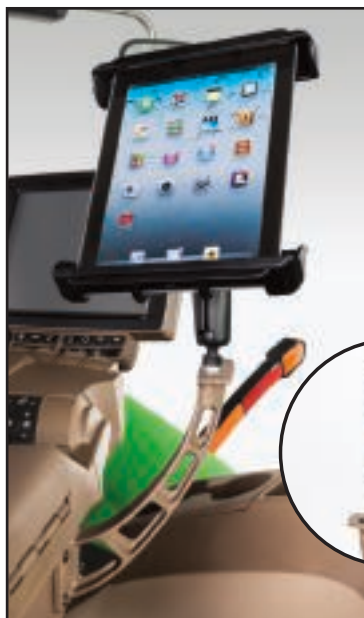
^{††}DB Planters w/CCS option transport at 1-ft. less than non-CCS models.



GENUINE AND GUARANTEED*

Your local John Deere Dealer offers a comprehensive parts inventory, highly-trained service technicians, and the expertise to help you get the most out of your equipment investment. And now, John Deere O.E.M. agricultural parts installed by an authorized John Deere Dealer carry a 12-month, unlimited-hour warranty including labor. If you prefer to handle repairs yourself, all Genuine John Deere ag and turf parts sold carry a 6-month warranty.

JohnDeere.com/PartsWarranty



CommandARM™ bracket

This bracket for Final Tier 4 (FT4) Tractors offers a convenient way to mount a cell phone or tablet to the CommandArm for easy use.

No. BRE10147

Not compatible with 2630 displays. Compatible with tablet mount BRE10034 and cell phone mount BRE10015. Tablet and cell phone mount not included in BRE10147.



Utility box

Keep essential items within reach – without taking up valuable cab space. This front weight-mount kit bolts on in minutes without compromising headlight visibility or tractor functions.

No. BRE10151 Front-mount utility box (requires BRE10153)

No. BRE10153 Utility box bracket kit



Cell phone bracket kit

Easily access your phone without interfering with visibility and control. Specially developed for John Deere equipment, the RAM X-Grip® bracket holds firm without covering your phone's screen.

No. BRE10015



Spoked gauge wheel

Now planting and seeding in wet conditions is no problem. Spoked gauge wheels provide superior depth performance by allowing mud and debris to flow through. And changing bearings is easier than ever with the snap ring.

No. AA86055 – Complete wheel assembly

No. AA86226 – Complete conservation wheel assembly

No. AA85465 – Complete narrow wheel assembly

John Deere offers a full line of gauge wheel options. See your dealer for additional solutions.



Power take-off (PTO)

Designed for high-power heavy loads that require full horsepower, this heavy-duty PTO features a safety start system, internal lubrication with oil-cooled plates and a shaft that can be slightly rotated or indexed to aid in drive hookups.

MST - No. RE304681

PST - No. BRE10028

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