Planting Equipment

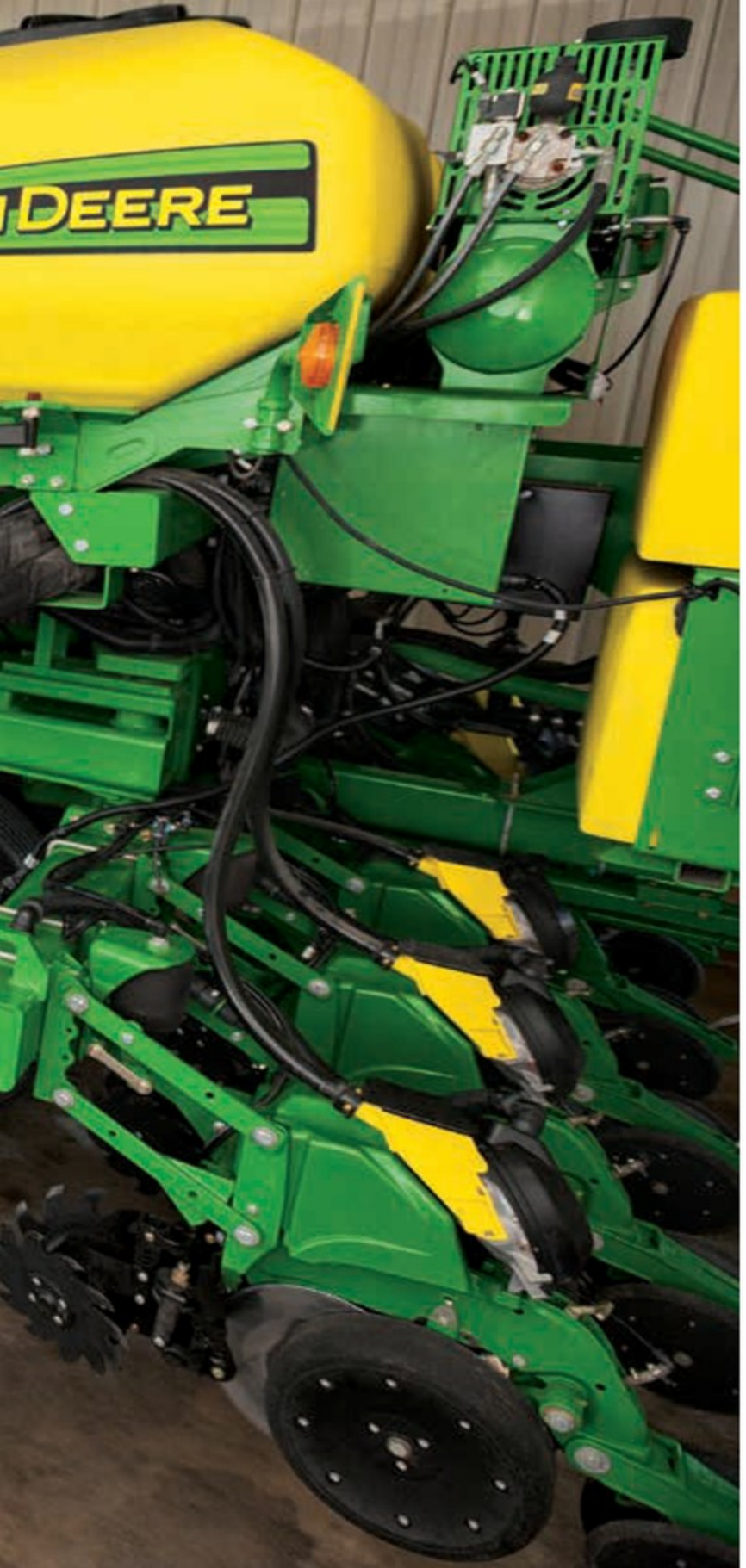
Drawn and integral planters, ExactEmerge™, MaxEmerge™ 5e, and MaxEmerge™ 5 row units

JOHN DEERE

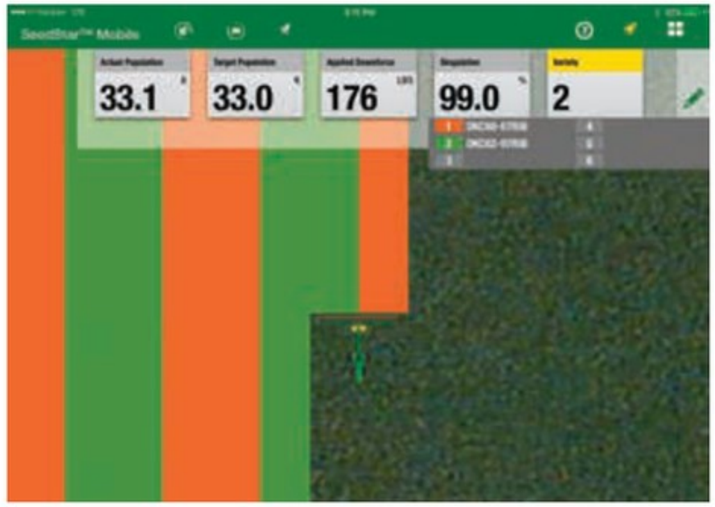
No skips in your paddock ... no skips in our portfolio

Introducing the all-new MaxEmerge™ 5e and ExactEmerge™ row units. 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 new 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.



ExactEmerge – 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 16 km/h to help you cover more hectares per day and increase your chance of maxing out your yield potential.



SeedStar™Mobile – Know exactly how your planter is performing ... anytime, anywhere. SeedStar Mobile visualises never-before-seen row-by-row information of your planter's performance, enhancing your experience during the most critical farming operation – planting. SeedStar Mobile provides you with the confidence you need to successfully plant your crops with a higher level of precision.

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What's New from John Deere Planting

Come next planting season, thanks to MaxEmerge™ 5e, you can fall into that sweet spot of advanced agronomic benefits and traditional planting methods. This way no grower is left out. But there's more.

With a wide range of new planter models and retro fit kit options, you'll find your planter – be it new or like new – no matter your operation.

While you learn about our newest offerings, in the pages that follow, be sure to get reintroduced to so many of the great planting equipment and solutions we launched last year. We bet you'll agree we've covered the planting season from tractor cab to closing wheel.

New planter models have emerged

Smaller planter models should offer big time production just the same. That's why we added ExactEmerge™ and MaxEmerge 5e to our 8-row 762 mm (30 in.) spacing 1725NT model. We also expanded the 1725 lineup to include these high-productive row units – which should be music to the ears of our cotton growers. As for your sugar beet producers, you may want to ask your dealer about new DB44, DB66, and DB88 ExactEmerge and MaxEmerge 5e planters.

e-ffective immediately

MaxEmerge 5e makes a direct impact on your yield potential the moment it hits your paddocks, allowing you to have an up to 20% improvement in population accuracy. Even better, with MaxEmerge 5e you basically 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.

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.

ExactEmerge for a whole paddock of growers

First, it was corn and soybeans. Then, it was cotton, sugar beets, and popcorn. Now we have two new bowls coming to market for ExactEmerge: 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 maximise as much of their yield potential as possible.

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 centre frame tyres. In higher moisture soil conditions where pinched rows are more prevalent, the value of frame weight distribution is, simply stated, invaluable.

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. Night time 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.

Fertiliser & granular chemical application

Another greater-productivity enhancement is our liquid fertiliser and granular chemical application attachment. This system allows you to apply either product individually or both products simultaneously in the trench, all while still planting. Now that's what we call a true two-for-one.

Set the measurement for what works best for your practices. You can deliver as little as 28 L of product or as much as 75 L of product per hectare based on your paddock conditions or personal preference. And because it's quickly installed to the closing system, you can go from shop to seeding in no time. No need to remove the gauge wheels or opener blades. Just run your hoses and you're done.

Go retro

Retro kits now available for all XP row units

This year we see the introduction of ExactEmerge™ and MaxEmerge™ 5 and 5e retro fit kit options. 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 retro fit kit, you get our improved seed meter offering ... and for MaxEmerge 5e retro fit kit, you get that same improved seed meter performance, along with a single electric drive. Of course, with the ExactEmerge retro fit 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 full meal deal ... that's ExactEmerge. Also, consider the scale of your operation. There's no wrong choice when it comes to performance, but be sure you maximise your potential.

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 the 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.

All-New 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™ 3 HP, SeedStar Mobile, and more.

ME5 Planter shown

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 entire John Deere VacuMeter system ... 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.

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.

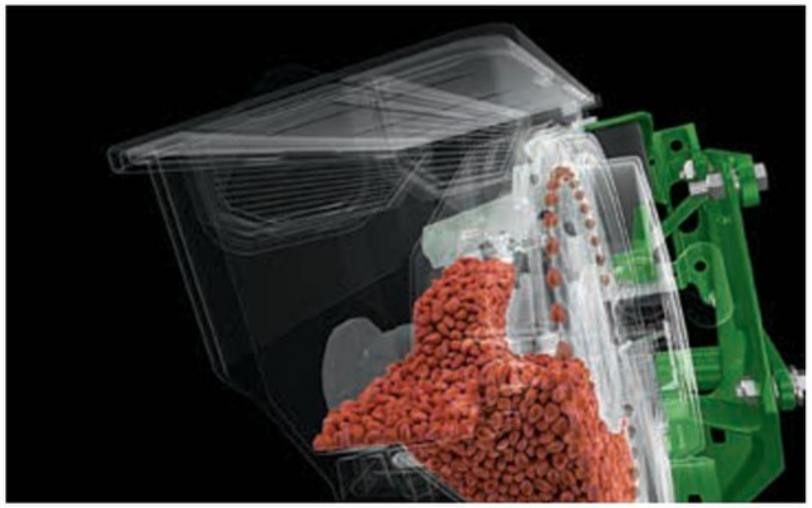
MaxEmerge 5 Row Units

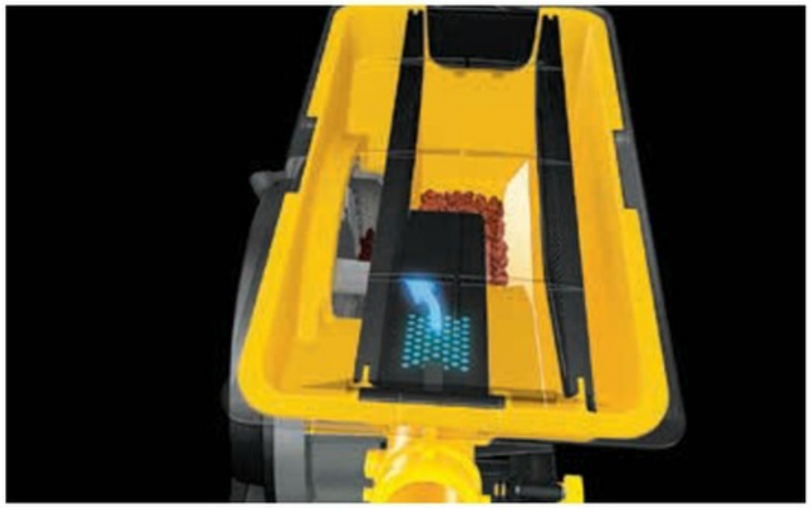
More advancements. More advantages.

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 Central Commodity System (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.





1 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°.

2 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.

3 Doubles eliminator

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

4 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.

5 Gauge Wheel Arm Pivot

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

6 Shank

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

7 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.

8 Vacuum exhaust system

An improved blower housing directs exhaust air from the vacuum system to the ground, reducing the amount of seed treatment chemical and talc that can go airborne. It also enables you to plant more efficiently. *(Also available on ExactEmerge™ and MaxEmerge 5e)*

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.

Reach your yield potential

Every customer is different, but the goal is the same. Each producer wants to maximise yield potential. John Deere values our customers. 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 vigour.

ExactEmerge Row Unit. Accurate at 16 km/h. Exactly.

You're used to going 8 kilometers per hour; we get that. But ask yourself this: would you still go 8 km/h if you could get the same accuracy at 16? Welcome to ExactEmerge. It's about accurate singulation, population, spacing, and uniform depth ... all at 16 km/h.

More importantly, it's about addressing your needs. Like the need to plant the hybrid that's precisely singulated and best suits your paddock conditions. Our new 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 favour. Once the seed is singluated, 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.

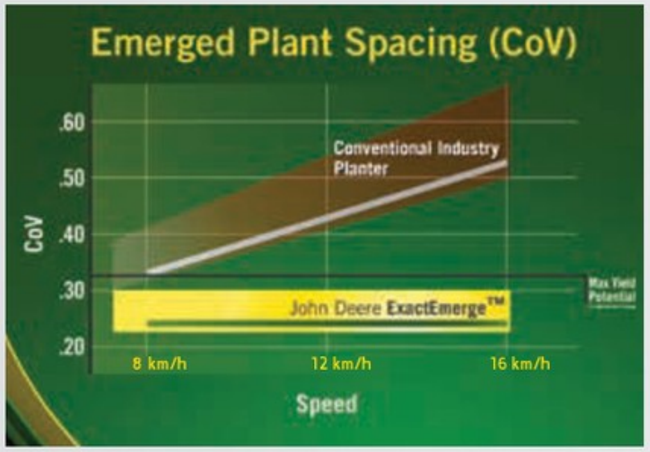
This is exactly what you've asked for: greater productivity. And that's what ExactEmerge is ... a planter that merged speed and accuracy.

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 16 km/h, 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. 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 favourable 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 CV, or Coefficient of Variation. The lower the CV 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 a farmer's 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
DB60	• 24R30	• 36R20	• 47/48R15
DB80	• 32R30	• 48R20	
DB90	• 36R30		

1 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 synchronisation required. Compared to standard brush motors that generate friction and heat build-up, 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.

2 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.

3 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™ 3 HP monitoring system.

4 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.

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5 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.

6 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.

7 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 are 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.

8 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°.

9 Mini-Hopper Design

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

10 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.

11 Row Unit Controller

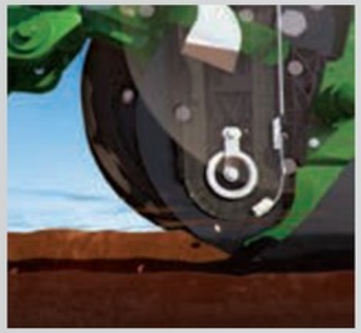
Calculates how fast the electric motors should turn and captures data from the sensors – seed, downforce, ride quality, and row vacuum on the respective rows. The information from each unit controller is sent to the Meter Master Controller.

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

BrushBelt delivery system

Seed Sensor

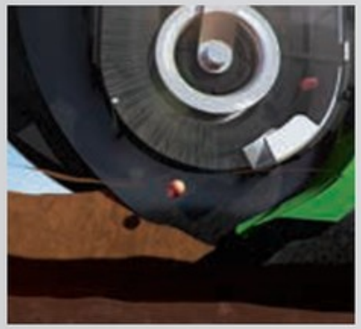
High-Performance Vacuum Meter



No BrushBelt 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 mobile 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 paddock to vary rates on the go.

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

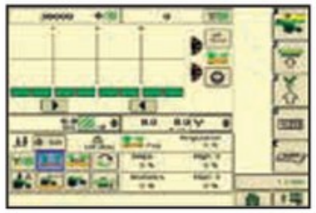
John Deere Operations Center

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 paddock, that information is waiting for you in the Operations Center to make adjustments and improvements for the next year.

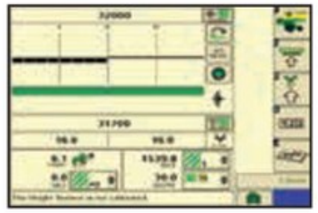
SeedStar XP Monitoring and Documentation

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-colour 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 don'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, colour 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 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.

The 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.

SeedStar Mobile

Know exactly how your planter is performing ... anytime, anywhere

SeedStar Mobile visualises row by row information of your planter's performance onto an iPad; enhancing your experience during the most critical farming operation – planting. SeedStar Mobile provides you with the confidence you need to successfully plant your crops with a high level of precision.

SeedStar Mobile enhances the planting experience by working directly with the SeedStar XP or SeedStar 3 HP monitoring system on the planter. By utilising the capabilities of the iPad, SeedStar Mobile displays the row by row information in high definition maps. These high definition maps will help you optimise your planter performance, quickly identifying any issues that can negatively impact the yield potential of your crops. SeedStar Mobile maps and documents these nine data attributes:

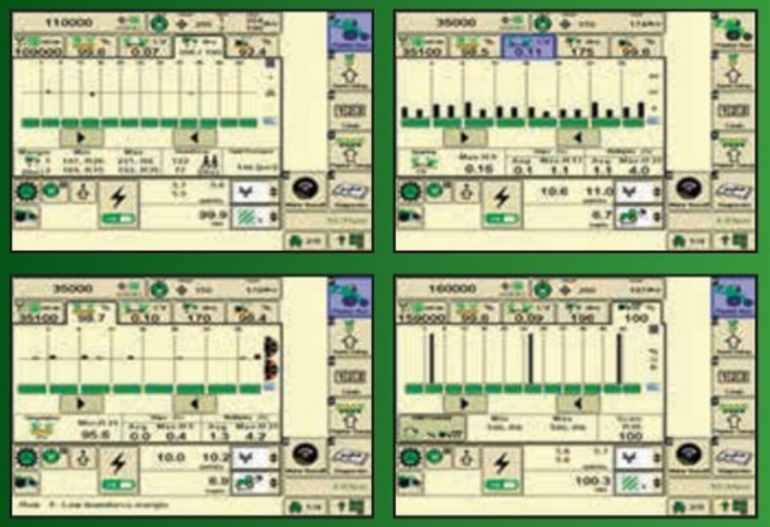
- Actual Population
- Target Population
- Singulation
- Seed Spacing CV (coefficient of variation measurement)
- Variety
- Appled Down Force
- Gauge Wheel Margin
- Ride Quality
- Ground Speed

Having this capability on the iPad enables the near real-time transfer of the high definition planting data to the John Deere Operations Center. Here, the planter performance can easily be remotely monitored and the planting data securely shared with trusted advisors. With the planting data on the iPad, SeedStar Mobile can be taken back out to the paddock for basic crop activities or utilised anywhere you need quick access to the high definition planting data.

SeedStar 3 HP Monitoring System

See speed meet accuracy in real time

Specifically designed for our new ExactEmerge™ row unit, the innovative SeedStar 3 HP monitoring system provides improved functionality with your GS3 2630 display. User-friendly layout allows you to view live data without scrolling. Get accurate information straight from the new seed sensor. No hard-to-read icons. No important information condensed in the corner. Instead, you get quick, simple data that you can grasp at-a-glance to help keep you on track. With the new Fast Start feature the system eliminates skips in the paddock when you start planting from a stop. No more need to back up to get rid of skips. This new software allows growers to perform pre-season planter or meter run-offs on the planter. No need to run off meters on test stands.



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-colour, 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.

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 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 – Whether it's you in the cab or a less-skilled operator, a GreenStar 2 or GreenStar 3 guidance system delivers a quick payback. Choose the type of manual or hands-free guidance – and the level of accuracy you need, from +/- 229 mm (9 in.) pass-to-pass, to +/- 25 mm (1 in.)accuracy with the RTK system.

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 Display, to automatically slow the tractor speed... raise the implement, turn the tractor... and reengage the implement, all automatically.

1705: 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 fertiliser to your 1705 to help you get more done in the paddock. And add the optional lift assist wheel to complete the total 1705 package.

Plus, 3-point-hitch mounting offers instant mobility for convenient manoeuvring 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.

Avoid costly skips or overlaps by marking a clear sight line with John Deere row markers. You can choose the best blade for your conditions. Heavy-duty components add up to longer life and reliability. And quick, convenient adjustments make it easy to match your row spacing.

1715: 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 paddock 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 762 mm (30 in.) 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 paddock-to-paddock 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 paddocks.

NEW 1725C Stack-Fold Planter – We're confident cotton growers will approve of this machine. Agronomically speaking, we're talking their language. The 1725C provides all the agronomic advantages ExactEmerge™ offers – dual electric motors, BrushBelt™ delivery system, and an industry-best 16 km/h planting speed. Or go with MaxEmerge™ 5e. Either way, it comes as a 12-row configuration in available spacings of 914, 965 or 1,016 mm (36, 38 or 40 in.). Plus, you get a 35 bushel Central Commodity System (CCS) tank without lift assist wheels to get in the way, so you can move through paddocks with superior pace and precision. You get all the manoeuvrability needed for operating in bedded crops or at the end of rows. Plus, hydraulic wing locks make moving from paddock-to-paddock a breeze.

NEW 1725NT Stack-Fold Planter – 8-row 762 mm (30 in.) spacing model means growers will smaller paddocks 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 3 m (10 ft.) in width. Of course, you have your choice of MaxEmerge 5e or ExactEmerge so you can maximise your output.

NEW FT180 front-mounted tank option – a single dry fertiliser option for the 1725NT Planter with a narrow 3 m transport width. The frame-mounted fertiliser openers are optionally available to place dry fertiliser alongside and below the seed trench. An 1,800 kg front-mounted fertiliser hopper with electrical metering precisely controls fertiliser rates. Further details on page 49.

ExactEmerge

1725C Additional Features

(ExactEmerge only)

With enhancements to the ExactEmerge 1725 frame, we're giving customers 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 lock, 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 8 km/h. And double acting cylinders apply force to the wings to make them heavier, while transferring the weight off the centre frame. This eliminates bouncing on the outside row units and helps control ride quality and seeding depth.

1725: Growing the Family

The 1725 Stack-Fold Planter – For wide planting but narrow transport, choose the 1725 Stack-fold. With 8-, 12-, and 16-row models available, you'll cover paddocks in a hurry. But paddock-to-paddock transport won't slow your pace. Simply fold the wings hydraulically over-centre 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 914, 965 or 1,016 mm (36, 38 or 40 in.) row spacings. Or get 762 mm (30 in.) 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 paddock longer than traditional hoppers, so you can knock out more hectares faster. But don't think you've traded flexibility for speed. Adding CCS to the 1725 didn't diminish its manoeuvrability one bit. The integral design makes this planter a winner both in the paddock 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 – The1725 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 914 or 965 mm (36 or 38 in.) 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.

1735: 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 paddock, you've found it.

No matter your paddock 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 paddocks 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 178 mm (7 in.) 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: Ready for the big time

The 1755 may be compact, but it's a big-time performer in the paddock. 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 178x178 mm (7x7 in.) 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 fertiliser and chemical systems to tack on to the 1755 – as well as additional tillage attachments, that way you can really go to work in residue, hard ground, sticky soil, or rocky paddocks.

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

Each fertiliser hopper holds about 250 kg (550 lb.) of dry fertiliser. The entire hopper pivots for easy dumping. Drives and transmissions are included. Choose from 25 transmission rates, depending on the auger chosen.

1765: Give new meaning to 'flex spending'

Now here's a planter that fits in your paddock and 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, 762 mm (30 in.) spacing design, the 1765 is great for just about any paddock type. A 3.7 m (147 in.) hitch ensures ample turning radius during transport when using a tractor with duals.

Greater productivity can be yours, too, when you apply liquid fertiliser while you plant. Frame-mounted liquid fertiliser tanks on the 1765 let you do the work of two passes in one. And a rugged 178x178 mm (7x7 in.) frame easily shoulders the maximum load of 1,703 L without compromising speed or accuracy.

1765NT: 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, 762 mm (30 in.) spacing planter folds into a tight transport width of only 4 m (12 ft.). Meaning, if your tractor can get through the gate, then the 1765NT can, as well.

Once you get into a paddock, 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 1,136 L of fertiliser capacity on the 1765NT means you can work with fewer stops. You can vary application rates from 15 to 352 L per hectare, making it easy to adjust from paddock-to-paddock.

Our heaviest no-till fertiliser opener is available on the 1765NT. The frame-mounted single-disk fertiliser opener system slices through residue to place nutrients where they're needed – up to 64 mm (2.5 in.) off the row and 51 to 102 mm (2 to 4 in.) deep. Unit-mounted double-disk openers and injection single-disk openers are available.

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

Let's talk output. Well then, you're speaking the 1775NT's language. 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, paddock conditions, or number of paddocks.

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 4 m (12 ft.) transport width, making maneuverability more simplistic. And it provides 559 mm (22 in.) of under-unit clearance so you won't snag or pull getting in and out of your paddocks. What's more, the 1775NT features more wing flex than any other planter in our lineup. You'll certainly notice the effective performance in the 21-degrees of up-down flex when working rolling ground and terraces, while still maintaining consistent depth.

Get from paddock-to-paddock 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 paddock, the location of the CCS tanks on the frame has been optimised 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; fold-over markers are standard on 24-row 1775NTs.

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
CIS (Mini-Hopper only)	X	X	X
Liquid Fertiliser*	1,703 L	2,271 L	2,271 L
Liquid Insecticide**	852 L	1,136 L	1,703 L
Granular Insecticide†	X	X	X

* Liquid fertiliser tanks available on non-CCS models only.
** Liquid insecticide tanks available on planters without liquid fertiliser tanks.
† Granular insecticide hoppers available only with MaxEmerge 5 row units.

1775: Perfect match of size and ability

Not only is the 1775 the perfect match of size and ability, it can fit into just about any farming practice. This 12-row, 762 mm (30 in.) spacing machine is our largest planter with dry fertiliser capability, so you can plant and enrich your land on more hectares 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 movability. This allows you to glide over terrain that can prove challenging for other planters, like terraces and slopes.

1785: 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 762 mm (30 in.) spacing for one crop, and a second crop at 381 mm (15 in.) 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 381 to 700 mm (15 to 27.5 in.), 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 178 mm (7 in.) – important for getting good residue and soil flow through the planter in virtually any paddock type.

1795: Maximise 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 762 mm (30 in) spacings, while the back rank of row units is on 762 mm (30 in.) spacings, as well, but offset from the front rank to provide a 381 mm (15 in.) spacing pattern.

This highly proficient planter fills the need of corn and soybean growers in a variety ways. Thanks to CCS seed delivery, you can enjoy the productivity of bulk fill that serves up to 100 bushels of seed capacity. And check out our Refuge Plus option for enhanced planting of your Bt corn with refuge or simultaneous planting of male and female seed corn. There's also the 4 m (12 ft.) 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 (shown), or SeedStar 3 HP (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 tyres get the same amount of pressure to the ground, thanks to improved hydraulics.

Up to 1,194 mm (47 in.) 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.

381 or 762mm 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 centre rows on rear rank are lowered manually.)

Get your corn off and growing with liquid starter fertiliser. A 1,590 L mounted tank is available for the 9 m (30 ft.) model. For 12 m (40 ft.) models, liquid fertiliser options include pulling up to a 7,571 L nurse tank or mounting saddle tanks on the tractor.

The single-disk fertiliser opener works well for most no-till, double-crop, and reduced-till paddocks, plus firm-soil conventional seedbeds. A 330 mm (13 in.) rubber wheel gauges depth and minimises soil disruption. A cast spout keeps soil from flowing into the furrow before fertiliser 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 9 and 12 m (30 and 40 ft.) 1795s on 762 mm (30 in.) spacing with either MaxEmerge™ 5, MaxEmerge 5e, or ExactEmerge™ row units and the Central Commodity System (CSS).

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 hectare-hungry machines will help you finish faster.

The DB Planters are available in ten configurations, with widths from 13.4 to 36.6 m (44 to 120 ft.), for 508, 559 and 762 mm (20, 22 and 30 in.) 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 new 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 178x178 mm (7x7 in.) steel framing to tie everything together.

*CCS available with all row units.
**Central Insecticide System available with CCS machines only.

Steerable Axles: With long planters like these, tight turns could give you some uneasiness. 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 paddock 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**	381 mm (15 in.) row spacing	508 mm (20 in.) row spacing	559 mm (22 in.) row spacing	762 mm (30 in.) row spacing
13.4 m (44 ft.) - 24-row	X	X	X	X				X	
18.3 m (60 ft.) - 24-row	X	X	X	X	X				X
18.3 m (60 ft.) - 36-row	X	X	X	X			X		
18.3 m (60 ft.) - 48-Split-row	X	X	X	X		X			X
18.3 m (60 ft.) - 47-Split-row	X	X	X	X	X	X			X
18.3 m (60 ft.) - 72-Twin-row			X	X			Twin-row only		
20.1 m (66 ft.) - 36-row	X	X	X	X				X	
24.4 m (80 ft.) - 48-row	X	X	X	X			X		
24.4 m (80 ft.) - 32-row	X	X	X	X	X				X
26.8 m (88 ft.) - 48-row	X	X	X	X				X	
27.4 m (90 ft.) - 36-row	X	X	X	X	X				X
27.4 m (90 ft.) - 54-row			X	X			X		
36.6 m (120 ft.) - 48-row			X	X					X

You're definitely carrying a lot of weight into your paddock with a DB planter. Makes sense to bring over our frame weight distribution feature to some of the DB Series, and so we have. Now you can have the weight more evenly spread across the entirety of a DB60 model bar and take the pressure off the centre of the frame.

An easy-to-use control box lets you fold and unfold the DB Planter from the tractor cab.

Can 13 to 37 m (44 to 120 ft.) 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 4.6 to 5.4 m (15 to 17.6 ft.). Lengths vary, but all are less than 19 m (62 ft.). Ample underframe clearance 559 to 660 mm 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.

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.

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 centre section.

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.


DEERE

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 1795 31Row15 Planter with 1.9 bushel hoppers across 405 hectares (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 paddocks faster at one of the most significant times of the farming cycle. So we made sure to equip it on some of our most labour-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 pressurises 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 pressurises 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.

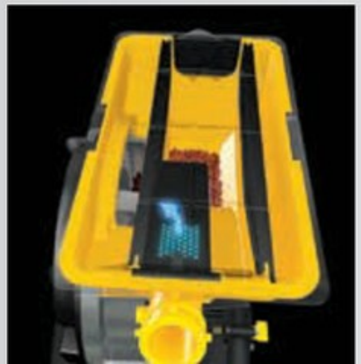
'Cap-size': Get extra capacity for higher seed corn production

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! (95 bushels on 12-row 1775NT CCS Refuge Plus and 9.1 m (30 ft.) 1795 planter with the CCS Refuge Plus option). 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 customise 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.



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.

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.

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? An electric clutch on each row, and a controller in the cab lets you set up 16 different sections. For a 24-row planter, you can pair two rows together for 12 sections, or three rows for 8 sections, or any other combination. A 16-row planter can be configured 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-hectare and row-crop applications. You'll also realise 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 fertiliser system to meet your needs – whether you apply liquid or dry fertiliser, and regardless of your tillage approach. Plus, it's available for MaxEmerge 5, MaxEmerge 5e, and ExactEmerge™.

Big fertiliser capacity keeps you planting, not refilling. Dry fertiliser hoppers hold 250 kg (550 lb.) of granular product (per two rows). Liquid fertiliser 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 paddocks.

Each fertiliser hopper holds about 250 kg (550 lb.) of dry fertiliser 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 fertiliser tanks (2,271 L on 16-row and 24-row, 1,703 L 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 fertiliser nurse tank.

The squeeze pump offers reliable liquid fertiliser application. Regular-rate hoses apply 47 to 493 L per hectare; low-rate hoses are available.

Unit-mounted double-disk openers for liquid fertiliser disturb less soil. Fertiliser can be placed even with seed depth or 25 mm (1 in.) below. The opener can be positioned up to 57 mm (2.25 in.) off the row. Ideal for conventional, reduced-till, and light no-till paddocks.

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

The single-disk fertiliser opener works well for no-till, double-crop, and reduced-till paddocks, plus firm-soil conventional seedbeds. A 330 mm (13 in.) rubber wheel gauges depth and minimises soil disruption. A cast spout keeps soil from flowing into the furrow before fertiliser is delivered.

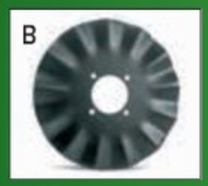
This frame-mounted double-disk opener is an excellent match for conventional- or reduced-till paddocks. (Not compatible with a frame-mounted coulter.)

Add More

Customise your John Deere planter for your conditions

Match your planting conditions to a tee with a customised John Deere Planter. A full range of attachments and accessories allows you to tailor your planter to your specific soil types and residue levels.

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 paddocks and planting conditions, ask your John Deere dealer for specifics.



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

A) 25-Wave (16 mm): Creates extremely fine tilth in an area about 22 mm (⅞ in.) wide. Works well on wet, spongy soil that can be tight and difficult for proper furrow closing.

B) 13-Wave (18 mm): Tills an area about 25 mm (1 in.) wide at speeds under 10 km/h. 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 25 mm (1 in.) wide slot. Penetrates soil and cuts through residue well.

Unit-mounted coulter arms use the weight and gauging ability of the planter unit in reduced-till conditions. Choose fluted or bubble blades. Frame-mounted coulter arms (not shown) resist row-unit damage in rocky paddocks. Includes parallel arms, special mounting bracket, and adjustable down-force springs. Compatible with bubble coulters. Remember: Never set coulters to run deeper than openers.

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 330 mm (13 in.) cutout leading blades provide for aggressive cutting. You can adjust depth and blade angle to match conditions. Effectiveness is limited by the cutting ability of the disks. This attachment is not compatible with unit- or frame-mounted coulters.

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 guage wheels - the close proximity allows the guage wheels to control the depth of the row cleaner, as well as the row unit. Plus, the compact design also offers greater compatibility with fertiliser openers and other planter attachments.

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

Downforce

The pneumatic down-force system (left) offers a centralised location for quick, easy adjustment for all row-units. To closely match your specific conditions, this system is infinitely variable up to 181 kg (400 lb.) 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.

Keep row units from bouncing in heavy residue or tough soil with adjustable, heavy-duty down-force springs (left). You get four down-force settings per row: 0, 57, 113 or 181 kg (0, 125, 250 or 400 lb.). And you can make adjustments without tools as your soil and residue conditions change. In conventional-till paddocks, consider nonadjustable down-force springs (not shown). Single springs apply up to 40 kg (90 lb.) of down-force, while double springs offer up to 82 kg (180 lb.) per row.

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

B) 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.

C) 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.

D) The drag closing system* is designed to improve emergence in "baked-and-crusted" soil conditions across the Southwest. The seed packer wheel pushes seed into moist soil, while the drag brings loose soil into the furrow without compaction.

*Not available on the Pro-Series row unit.

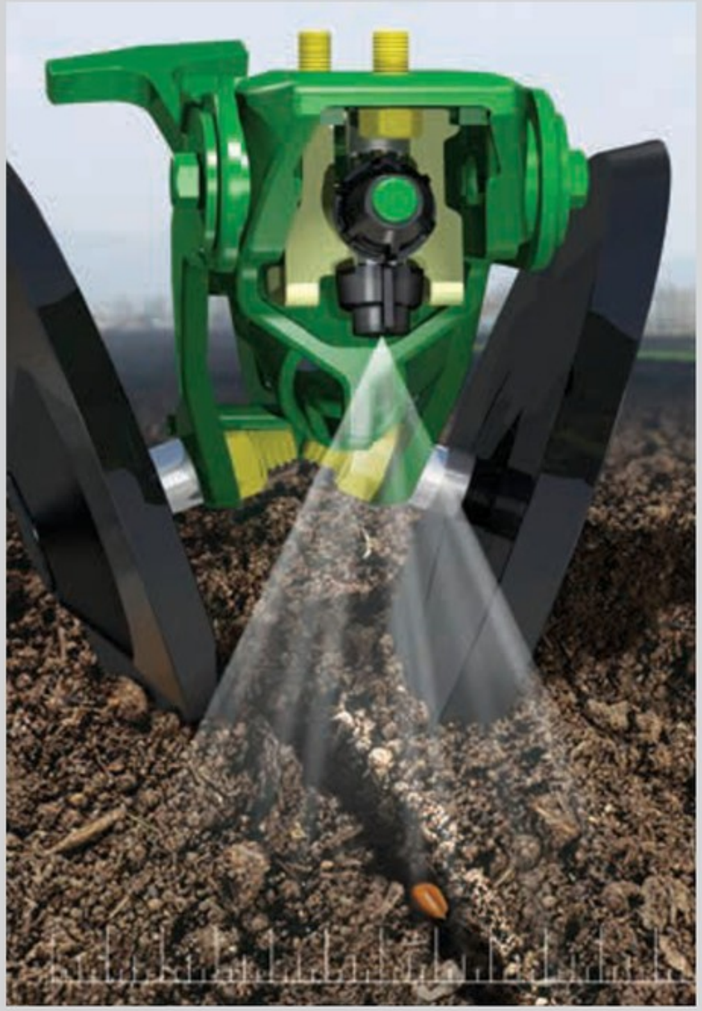
One-pass herbicide and/or insecticide application... convenience at it's best.

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 32 kg (70 lb.) of insecticide or herbicide, or 16 kg (35 lb.) 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.

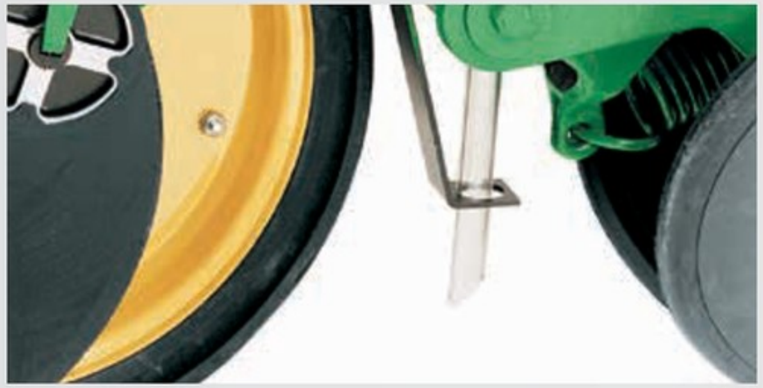


Spray nozzles apply the solution in a T-band over the furrow. The nozzle reduces drift and sprays close to the ground so the solution won't get on seed tubes or closing wheels.

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 227 grams or less per 305 m (1,000 ft.), 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.

A 852 L 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 7,570 L is available for tow-behind fertiliser 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 178 mm 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 356 mm (14 in.) 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 178 mm (7 in.) band and herbicide in a 356 mm (14 in.) 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.

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					EE / ME5e / ME5	ME5	EE / ME5e / ME5
Configurations: W = 914 or 965 mm (36 or 38 in.) N = 762 mm (30 in.)							
4 rows (W) 4, 6, 8 rows (N)	8 rows (N)	12 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			Rigid	Flex
Mainframe Size							
178x178 mm (7x7 in.)							
Flexibility							
N/A		2-section 20 deg. up, 20 deg. down		3-section 21 deg. up, 21 deg. down		N/A	3-section flex 15 deg. up, 15 deg. down
Lift System							
Wheel module						Drop axle	Wheel module
Hydraulic Control							
Series rephasing; master cylinder	Master/slave rephasing pairs		N/A			Hooked parallel to drop axle	N/A
Fold							
N/A	Manual (6Row); hydraulic (8Row)	Hydraulic	Hydraulic fold with manual lock	Hydraulic front-fold		N/A	Hydraulic front-fold
Drive Type							
Single-pitch, chain, optional hydraulic drive	Tyre-contact, optional hydraulic drive				Tyre-contact, optional hydraulic drive, or electric	Tyre-contact	Tyre-contact, optional hydraulic drive, or electric
Drive Disconnect							
Yes	Automatic						
Number of Drive Wheels							
4 (8Row); 2 (4Row; 6Row)	1 for seed; 1 for liquid fertiliser (opt.)		1 for seed; 1 for fertiliser	1 for seed; 1 for liquid fertiliser (opt.)		1 for seed; 1 for fertiliser (opt.)	

Specifications and design subject to change without notice.

DRAWN PLANTER TRANSPORT DIMENSIONS		
	WIDTH	HEIGHT
1755 Drawn		
4-row (762, 914, 965 mm)	3.5 m (11 ft. 6 in.) w/o marker 4 m (13 ft. 1 in.) w/ marker	2.9 m (9 ft. 6 in.)
6-row (762 mm)	4.3 m (14 ft. 1 in.) w/o marker 4.8 m (15 ft. 9 in.) w/ marker	3.5 m (11 ft. 6 in.)
8-row (762 mm)	6.0 m (19 ft. 8 in.)	3.5 m (11 ft. 6 in.)
1765NT Wing-Fold		
6-row (762 mm)	3.7 m (12 ft.)	3.6 m (11 ft. 8 in.)
8-row (762 mm)	3.7 m (12 ft.)	3.3 m (10 ft. 9 in.)
1765 Wing-Fold Conservation		
12-row (762 mm)	4.8 m (15 ft. 8 in.)	3.5 m (11 ft. 6 in.)
1775 Front-Fold Conservation		
12-row (762 mm)	4.8 m (15 ft. 8 in.)	3.5 m (11 ft. 6 in.)
1775NT		
12-row (762 mm)	3.5 m (11 ft. 6 in.)	3.5 m (11 ft. 6 in.)
16-row (762 mm)	3.7 m (12 ft.)	3.8 m (12 ft. 6 in.)
24-row (762 mm)	4.2 m (13 ft. 10 in.)	4.2 m (13 ft. 10 in.)
1775NT Central Commodity System		
12-row (762 mm)	3.5 m (11 ft. 6 in.)	3.5 m (11 ft. 6 in.)
16-row (762 mm)	3.7 m (12 ft.)	3.8 m (12 ft. 6 in.)
24-row (762 mm)	4.2 m (13 ft. 10 in.)	4.2 m (13 ft. 10 in.)
1785 Rigid Narrow-Row		
6/11-row (762/381 mm)	5.0 m (16 ft. 3 in.)	3.4 m (11 ft.)
8/15-row (762/381 mm)	7.0 m (23 ft. 1 in.)	3.0 m (9 ft. 9 in.)
1795 Front-Fold Planter		
12/23-row (762/381 mm)	4 m (13 ft. 1 in.)	4 m (13 ft. 1 in.)
12/24-row (762/381 mm)	4 m (13 ft. 1 in.)	4 m (13 ft. 1 in.)
16/31-row (762/381 mm)	4 m (13 ft. 1 in.)	4 m (13 ft. 1 in.)
16/32-row (762/381 mm)	4 m (13 ft. 1 in.)	4 m (13 ft. 1 in.)
24-row (508 mm)	4.5 m (14 ft. 9 in.)	4 m (13 ft. 1 in.)

INTEGRAL PLANTER MODEL						
1705 RIGID	1715 VERTICAL-FOLD	1725 STACK-FOLD	1725 TWIN-ROW	1725 C	1725 NT	1735 NARROW-ROW
Row Units						
ME5				EE / ME5e		ME5
Configurations: W = 914, 965 or 1,016 mm (36, 38 or 40 in.) N = 762 mm (30 in.)						
4, 6, 8 rows (W) 6x2 twin-row 4, 6, 8, 10 rows (N)	12 rows (N)	8, 12 rows (W) 12, 16 rows (N)	12x2 rows (W)	12 rows (W)	8rows (N)	6/11, 8/15 rows (W) 6/11, 8/15 rows (N) 12 rows (559 mm) 13 rows (457, 483 or 508 mm)
Frame Type						
Rigid	Vertical-fold	Stack-fold: Rigid, Flex*	Stack-fold	Stack-fold: Rigid, Flex	Stack-fold: Rigid while planting	Rigid
Mainframe Size						
178x178 mm (7x7 in.)						
Flexibility						
N/A	3-section 8 deg. up, 6.5 deg. down	3-section 5 deg. up, 20 deg. down 16Row30 10 deg. up, 7 deg. down	3-section 8 deg. up, 8 deg. down		3 section	N/A
Hitch and Lift System						
Cat. 2 with or without Quick-Coupler; Cat. 3 with Quick-Coupler		Cat. 3 with Quick-Coupler		Cat. 3 with Quick-Hitch	Cat. 3 with or without Quick-Hitch	Cat. 2 with or without Quick-Coupler; Cat. 3 with Quick-Coupler
Fold						
N/A	Hydraulic vertical wing-fold with manual locks	Hydraulic over-centre stack-fold				N/A
Seed Transmissions						
One rear-mounted	One rear-mounted 16Row30, Variable-Rate Drive	Tyre-contact, optional hydraulic drive	3 mechanical transmissions w/ground drives, or 3 VRD hydraulic motors	Electric Drive only		One front-mounted
Drive Wheels						
2	2 (flex-frame); 4 (if locked rigid)	2 (flex-frame); 4 (rigid-frame)	4	N/A		2
Dual Lift-Assist Wheels (optional)						
Straight		Straight 16Row30, Base equipment	Straight	N/A		Arched

Base-equipped machines. Specifications and design subject to change without notice.
*A 3-section flex-frame is available on 8Row36/38/40 and 12, 16Row30 only.
**For 1725NT Planter only.

INTEGRAL PLANTER TRANSPORT DIMENSIONS		
	WIDTH	HEIGHT
1705 Rigid Integral		
4-row (762, 914, 965, 1016 mm)	3.7 m (12 ft.) w/o marker 4.1 m (13 ft. 5 in.) w/ marker	2.9 m (9 ft. 6 in.)
6-row (762 mm)	4.6 m (15 ft. 1 in.) w/o marker 7.1 m (23 ft. 4 in.) w/ marker	2.9 m (9 ft. 6 in.)
6-row (914, 965, 1016 mm)	4.6 m (15 ft. 1 in.) w/o marker 7.1 m (23 ft. 4 in.) w/ marker	3.1 m (10 ft. 1 in.)
6x2 twin-row (914, 965 mm)	5.7 m (18 ft. 8 in.)	3.1 m (10 ft. 1 in.)
8-row (762 mm)	5.9 m (19 ft. 4 in.) w/o marker 7.1 m (23 ft. 4 in.) w/ marker	3.1 m (10 ft. 1 in.)
8-row (914, 965, 1016 mm)	8.2 m (26 ft. 11 in.) w/o marker 8.8 m (28 ft. 10 in.) w/ marker	3.8 m (12 ft. 4 in.)
10-row (762 mm)	8.2 m (26 ft. 11 in.) w/o marker 8.8 m (28 ft. 10 in.) w/ marker	3.8 m (12 ft. 4 in.)
1715 Vertical-Fold		
12-row (762 mm)	3.5 m (11 ft. 6 in.) w/o marker 4.0 m (13 ft. 1 in.) w/ marker	4.0 m (13 ft.)
1725 C		
12-row (914, 965, 1016 mm)	6.7 (21 ft. 9 in.) to 7.1 m (23 ft. 4 in.) w/o marker	4.2 m (13 ft. 7 in.)
1725 NT		
8-row (762 mm)	3 m (9 ft. 8 in.)	4 m (13 ft. 1 in.)
1725 Stack-Fold		
8-row (914 mm)	3.9 m (12 ft. 10 in.) w/o marker 5.0 m (16 ft. 5 in.) w/ marker	3.4 m (11 ft. 2 in.)
8-row (965, 1016 mm)	3.9 m (12 ft. 10 in.) w/o marker 5.4 m (17 ft. 9 in.) w/ marker	3.4 m (11 ft. 2 in.)
12-row (762 mm)	5.5 m (18 ft. 1 in.) w/o marker 6.2 m (20 ft. 4 in.) w/ marker	3.6 m (11 ft. 8 in.)
12-row (914 mm)	5.5 m (18 ft. 1 in.) w/o marker 6 m (19 ft. 8 in.) w/ marker	4.1 m (13 ft. 3 in.)
12-row (965, 1016 mm)	5.5 m (18 ft. 1 in.) w/o marker 7.3 m (23 ft. 11 in.) w/ marker	4.1 m (13 ft. 3 in.)
16-row (762 mm)	7.2 m (23 ft. 8 in.) w/o marker 8.2 m (26 ft. 11 in.) w/ marker	4.1 m (13 ft. 3 in.)

INTEGRAL PLANTER TRANSPORT DIMENSIONS		
	WIDTH	HEIGHT
1735 Narrow-Row		
6/11-row (762/381 mm)	4.6 m (15 ft. 1 in.) w/o marker 5 m (16 ft. 5 in.) w/ marker	3.5 m (11 ft. 5 in.)
6/11-row (914/457, 965/483, 1016/508 mm)	5.9 m (19 ft. 4 in.) w/o marker 7.1 m (23 ft. 4 in.) w/ marker	2.9 m (9 ft. 6 in.)
8/15-row (762/381 mm)	5.9 m (19 ft. 4 in.) w/o marker 7.1 m (23 ft. 4 in.) w/ marker	2.9 m (9 ft. 6 in.)
8/15-row (914/457, 965/483, 1016/508 mm)	7.7 m (25 ft. 3 in.) w/o marker 8.8 m (28 ft. 10 in.) w/ marker	2.9 m (9 ft. 6 in.)
12-row (559 mm)	7.7 m (25 ft. 3 in.) w/o marker 8.8 m (29 ft. 2 in.) w/ marker	3.8 m (12 ft. 4 in.)
FT180 Dry Fertilister Tank**		
Tank capacity	1,800 L	
Weight with front press	1,030 kg	
Weight without front press	490 kg	
Hydraulic requirement	35 Lpm high compressor	
Hitching	Cat. II coupling hitching on 3 points linkage	
Maximum fertilise rate	Depends on fertiliser up to 30 kg/min = 188 kg/ha → 16 km/h	
Monitor	Pilot display	
Option	Dry fertiliser openers with distribution tower mount	

DB PLANTER MODEL							
	DB44	DB60 – 24R	DB60 – 36R	DB60 – 47R SPLIT-ROW	DB66	DB80 – 32R	DB80 – 48R
Row Unit	EE / ME5e / ME5						
Frame (Bauer Built Mfg)							
Control	Frame control						
Type	3-section front-fold					3 or 5-section front-fold	
Tool bar	178x178 mm (7x7 in.)						
Location of row units on frame							
Centre section	8 units	6 units	10 units	13 units	10 units	6 units	10 units
On each wing	8 units	9 units	13 units	17 units	13 units		19 units
Flexibility (wings)							
	Each wing flexes 15 degrees up and down relative to each other						
Lift system type (wheel module)							
	Electrohydraulic series rephasing cylinders						
Tyres							
Drive tyres/wings	4 – 31 - 13.5 x 15						
Transport tyres	4 – 31 - 13.5 x 15	4 – 445/50R 22.5					
Drives	Hydraulic variable-rate drive opt. electric drive with tractor power generation						
Number of rows							
	24 rows on 559 mm spacing	24 rows on 762 mm spacing	36 rows on 508 mm spacing	47 rows on 381 mm spacing	36 rows on 559 mm spacing	32 rows on 762 mm spacing	48 rows on 508 mm spacing
Planting units (John Deere)							
Meter	Vacuum - 2 blower system			Vacuum - 3 blower system	Vacuum - 2 blower system		Vacuum - 4 blower system
Central Commodity System (CCS)							
	100 bushels; 125 bushels with Refuge Plus option						
Capacities per row							
Seed	0.6 m³ (1.6 bu.) or mini seed hoppers*	Mini seed hoppers only	0.6 m³ (1.6 bu.) or mini seed hoppers*	Mini seed hoppers only	0.6 m³ (1.6 bu.) or or mini seed hoppers*		Mini seed hoppers only
Granular Insecticide	70 lb. (32 kg)						
Additional Specs							
Marker system:	Fold-over hydraulic markers						
Monitor system:	SeedStar™ 2 (standard)						
Tractor hitch required:	Drawbar (with heavy-duty drawbar support system) standard on all models						

* Not compatible with granular chemical hopper. **Will not show singulation or coefficient of variation. *** Not compatible with insecticide or herbicide.

DB88	DB90	DB90-54R	DB120
EE / ME5e / ME5		ME5	
Frame control			
3 or 5-section front-fold	5-section front-fold	3-section front-fold	5-section front-fold
178x178 mm (7x7 in.)			
10 units	6 units	12 units	6 units
19 units	8 inner, 7 outer	12 inner, 9 outer	9 inner, 12 outer
Each wing flexes 15 degrees up and down relative to each other			
Electrohydraulic series rephasing cylinders			
4 – 31 - 13.5 x 15	8 – 31 - 13.5 x 15		
4 – 445/50R 22.5			
Hydraulic variable-rate drive opt. electric drive with tractor power generation			
48 rows on 559 mm spacing	36 rows on 762 mm spacing 54 rows on 508 mm spacing	54 rows on 508 mm spacing	48 rows on 762 mm spacing
Vacuum - 4 blower system	Vacuum - 3 blower system	Vacuum - 4 blower system	
100 bushels; 125 bushels with Refuge Plus option		100 bushels	125 bushels with Refuge Plus option
Mini seed hoppers only		Mini seed hoppers only***	Mini seed hoppers only
70 lb. (32 kg)			
Fold-over hydraulic markers			
SeedStar 2 (standard)			
Drawbar (with heavy-duty drawbar support system) standard on all models			

DB PLANTER TRANSPORT DIMENSIONS

	WIDTH	HEIGHT	LENGTH	UNDERFRAME CLEARANCE	ESTIMATED WEIGHT (BASE MODEL)
DB44	4.6 m (†15 ft.)	3 m (10 ft.)	11.3 m (37 ft.)	559 mm (22 in.)	12,247 kg (27,000 lb.)
DB60–36R	4.9 m (16 ft.)	3 m (10 ft.)	12.5 m (41 ft.)	559 mm (22 in.)	13,517 kg (29,800 lb.)
DB60–47R Split-Row	5.3 m (17 ft. 6 in.)	3 m (10 ft.)	12.5 m (41 ft.)	559 mm (22 in.)	14,515 kg (32,000 lb.)
DB66	5.3 m (17 ft. 6 in.)	3.7 m (12 ft.)	14 m (46 ft.)	559 mm (22 in.)	13,835 kg (30,500 lb.)
DB80–32R	4.9 m (†16 ft.)	3.7 m (12 ft.)	15.2 m (50 ft.)	660 mm (26 in.)	14,515 kg (32,000 lb.)
DB80–48R	4.9 m (†16 ft.)	3.7 m (12 ft.)	15.2 m (50 ft.)	660 mm (26 in.)	15,876 kg (35,000 lb.)
DB88	5.3 m (17 ft. 6 in.)	3.7 m (12 ft.)	16.8 m (55 ft.)	660 mm (26 in.)	16,329 kg (36,000 lb.)
DB90	4.9 m (16 ft.)	3.7 m (12 ft.)	16.8 m (55 ft.)	660 mm (26 in.)	15,422 kg (34,000 lb.)
DB90-54R	4.9 m (16 ft.)	3.7 m (12 ft.)	16.8 m (55 ft.)	660 mm (26 in.)	21,727 kg (47,900 lb.)
DB120	4.6 m (15 ft.)	3.7 m (12 ft.)	19.0 m (62 ft.)	660 mm (26 in.)	18,273 kg (40,200 lb.)

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

Base-equipped machines. *Specifications and design subject to change without notice.* †DB Planters w/CCS option transport at 300 mm (12 in.) less than non-CCS models.