

PLANTING SOLUTIONS

Planters, Row units, Precision Upgrades



JOHN DEERE



ELEVATE YOUR PLANTING

Take control of your planting with John Deere Planting Equipment. It's crucial to get those seeds in the ground swiftly, with precise depth and spacing to cultivate success.

That's why John Deere offers a comprehensive lineup of planting equipment designed for nearly any crop or cropping system. Our row units ensure accurate, consistent, and efficient seed placement, with optional features tailored for various conditions so you can elevate your planting success.

Hit Your Optimal Planting Window

Timing matters—and it directly affects your yield. Every moment counts because time is money.

That's why John Deere solutions like ExactEmerge™ deliver fast, accurate planting—even at speeds up to 10 mph (16.1 km/h)—with impressive population uniformity, helping you hit your optimal planting window with confidence.² EasyStart™ and the Integrated 56V Tractor Power Tether Harness, along with Downforce Automation powered by FurrowVision™, help you get there faster, reducing daily maintenance with aftermarket parts and allowing for fewer manual adjustments.

Achieve Uniform Emergence

Uneven emergence leads to inter-plant competition and reduces your total yield potential. Uniform emergence can, however, add 10-18 bu./acre (870.8-1,567.4 L/ha) to your yield¹, making correct seed depth crucial to avoid uneven emergence. Solutions like ExactDepth™ ensure precision, while high-residue management tools such as FurrowVision and EasyAdjust™ Row Cleaners help mitigate delays. Downforce Automation powered by FurrowVision also prevents compaction or collapse of the furrow.

Create Uniform Seed Spacing

Creating proper seed spacing contributes an extra 2-4 bu./acre (174.16-348.31 L/ha) to your yield.¹ ExactEmerge brush belt technology, carrying the seed without losing control, leads to accuracy at almost any speed. Enjoy picket-fence stands with spacing that is 4.7-7.4% better than competitors.²

Feed the Seed: Proper Nutrient Management

Proper nutrient management can boost yields by 10-15 bu./acre (870.78-1,306.16 L/ha)¹, supported by solutions like ExactShot™, which places nutrients directly on the seed—both supporting your best yield outcomes and cutting in-furrow nutrient costs up to 66%.³

¹Source: Coulter, J. 2012. Planting Date Considerations for Corn. Minnesota Crop News. University Of Minnesota Extension. Based on 200 bu/acre (17416 L/ha)

²Based on the 2025 Beck's Planter Showdown Study

³Based on internal tests of an ExactShot System applying a 5.1 cm (2 in) dose on seeds with 15.2 cm (6 in) in-seed spacing. Reduction in fertilizer inputs may vary depending on population and length of dose.



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ADVANCED ROW INTELLIGENCE

Designed as a complete planting system, our row units deliver the precision and adaptability today's conditions demand. John Deere's innovative row units are engineered to enhance seed placement accuracy, allowing you to achieve uniform emergence and maximize yield potential. With advanced features like precise depth control, adaptable settings for varying conditions, and robust designs that handle a range of crop types, our row unit technology empowers you to optimize your planting operations.

Customizable for Your Conditions

Tailor your planter to your specific soil types and residue levels with a wide range of options. Talk to your John Deere dealer to learn more about the full array of available features.



ExactEmerge™ Row Unit

Experience unparalleled accuracy at speeds up to 10 mph (16 km/h), ensuring precise seed placement and uniform spacing. The exclusive BrushBelt™ Delivery system places each seed accurately at the bottom of the trench, eliminating bouncing and rolling for consistent emergence. Plant a wide variety of seed shapes and sizes without mechanical adjustments thanks to a high-performance vacuum meter. New components, like the poly-tine doubles eliminator, enhance seed singulation, providing precise population control even on sloping terrain. Experience a 7% higher soybean survival rate¹ compared to other manufacturers' row units and enhance your productivity on every pass.

ExactEmerge™ Row Units are available factory installed or as a Precision Upgrade to your existing equipment.



MaxEmerge™ 5e Row Unit

Designed for versatility, it handles curved and oddly-shaped fields with ease. Electric drive meters eliminate the chatter and wear typical of mechanical drives, ensuring consistent population accuracy. With row-by-row shutoff capabilities, you can achieve perfect spacing while planting around corners and curves. Corn and soybean growers can see an overall yield potential improvement of 1-2%² compared to traditional row units, and a 2-4% seed input savings, making this option ideal for variable rate planting systems.

MaxEmerge™ 5e Row Units are available factory installed or as a Precision Upgrade to your existing equipment.



MaxEmerge™ 5 Row Unit

Delivers exceptional performance and value. Compared to previous-generation row units, it features an improved doubles eliminator that ensures accurate populations across a wide variety of crops. Experience improved³ performance on slopes along with plumbing and hopper improvements that virtually eliminate plugging.

With a broad range of hopper and insecticide options, the MaxEmerge 5 can be tailored to your unique operation while you enjoy the confidence of population accuracy.

MaxEmerge™ 5 Row Units are available factory installed or as a Precision Upgrade to your existing equipment.





¹Darr M. Bergman R. High Speed Planting Technology. Iowa State University Extension and Outreach, Integrated Crop Management. 2020 March 13. <https://crops.extension.iastate.edu/cropnews/2020/03/high-speed-planting-technology>

²Internal John Deere comparison between MaxEmerge 5e row units and components with original MaxEmerge row units and components.

³Compared to previous models

⁴Based on average savings across 21 fields in an internal study comparing a 60 ft (15,24 m) 24R MaxEmerge 5e planter versus a ground drive planter with mechanical shutoffs. Seed savings will vary depending on field shape and conditions.

PRECISION FROM THE GROUND UP

One of the most impactful drivers for uniform emergence- and optimal yields- is a constant seed trench. From residue management to in-furrow visibility and depth control, John Deere offers a full suite of technologies designed to optimize residue handling, seed trench quality, downforce, and in-furrow visibility.

Individual Row Hydraulic Downforce (IRHD)

The Individual Row Hydraulic Downforce system ensures consistent planting depth and optimal seed-to-soil contact, even in rapidly changing field conditions. Adjust downforce up to five times per second, making precise adjustments quickly to suit varying terrains. The integrated accumulator absorbs shock, enhancing your planter's overall performance and ensuring each seed is placed at the same depth for a perfect stand.

You wouldn't drive your truck without shocks, so don't take your planter to the field without IRHD.

- Promotes up to 9% higher grain yield potential¹
- Features an integrated accumulator to help protect row units from shock
- Ensures each seed is placed at the same depth
- Promotes optimal seed-to-soil contact for a picture-perfect stand
- Make adjustments of 100 lbs (45.4 kg) in less than one second
- IRHD Gen 2 is 58% faster than pneumatic systems²



Row Cleaning and Residue Management

Residue near the seed delays emergence. Row cleaning is key for optimizing planting performance. Every John Deere planter offers various standard coulters and row cleaners. For maximum versatility, consider EasyAdjust™ row cleaners available on ExactEmergence™ and MaxEmergence™ 5e Row Units. EasyAdjust™ allows you to easily choose from three preset heights directly from the cab with the touch of a button—no tools or climbing under the planter required.



TruVee™ Opener Blade

Replace worn blades with TruVee openers that feature a redesigned hub, bearing, and rivets. Available for MaxEmergence™ XP and newer row units.

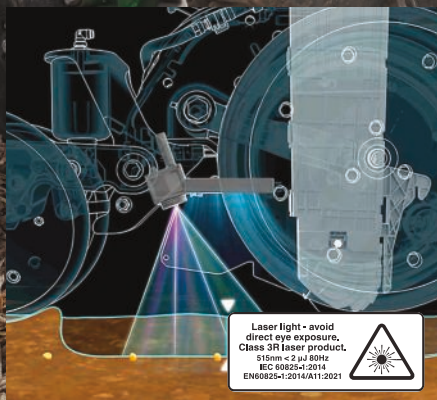


Closing Wheels

Closing wheels play a crucial role in achieving uniform emergence through effective seed-to-soil contact. John Deere offers a full selection of closing systems to tailor your planting setup to your crops and conditions. Options include pneumatic closing wheels for quick adjustments from the cab, standard rubber-tire wheels for conventional and no-till fields, cast-iron wheels for tougher soils, and disk closing systems for shallow planting in lighter soils, ensuring optimal performance in various conditions.

¹Planting Outcome Effects on Corn Yield, Crop Insights by Tom Doerge, Mark Jeschke and Paul Carter https://www.pioneer.com/us/agronomy/corn_planting_outcome_effects.html

²Compared to active pneumatic system John Deere internal study, Illinois.



FurrowVision™

A simple yet profound solution to optimizing your yield, FurrowVision™ technology allows you to see how your seed is being planted— without the need to stop and check seed depth or trench quality. It provides near real-time metrics on depth, residue, and furrow condition, boosting productivity and confidence in planting quality while you save time during tight planting windows. Equipped with three in-furrow cameras, it offers a sectional view of the furrow and depth measurements, ensuring optimal planter performance.



Downforce Automation

Downforce Automation is designed to achieve uniform emergence by maintaining the correct planting depth and reducing furrow collapse. Easy to use, this feature automates adjustments for various field conditions, simplifying the process and allowing you to stay in the cab. It takes into account ground contact and soil resistance to effectively optimize downforce.



Exact Depth™

Hitting the right seed depth is foundational to your yield. Exact Depth™ technology provides uniform emergence by ensuring seeds are planted at the correct depth. Plant with peace of mind, knowing that you are planting at the right depth, while minimizing inconsistencies caused by hidden variables. This electric depth control solution allows for in-cab adjustments and features individual row unit depth calibrations, enabling precise depth management tailored to specific fields and sub-field zones.

PLACE EACH DROP WHERE IT COUNTS

Maximize your planting efficiency with innovative application systems: ExactShot™, ExactChem™, and ExactRate™. Each of these advanced technologies is designed to enhance nutrient delivery and pest management while improving overall productivity.

ExactRate™

Improves nutrient availability by allowing you to apply nitrogen during each planting pass. This innovative system can lead to an average reduction in fertilizer costs of 4.3% (up to 12%), enhancing your bottom line while delivering performance at speeds of up to 10 mph (16.1 km/h).¹ Experience the benefits of consistent nutrient application and improved efficiency in your planting operations.

¹ Compared to previous models.



ExactShot™

The ExactShot™ system enhances nutrient availability and helps you hit critical planting windows by reducing the frequency of fills. By minimizing input costs while maintaining yields, it increases your profit margins and overall productivity. Offered on the ME 5e, this technology features a 4 inch (10.16 cm) dose length with improved dose placement and map coverage, ensuring precise nutrient application and cutting in-furrow nutrient costs up to 60%.²



ExactChem™

ExactChem™ provides essential protection from pests, giving you greater flexibility and accuracy in insecticide management. By incorporating electric drive technology, this system allows for precise application rates between 1-13 lb/ac (1.12-14.57 kg/ha) while operating at planting speeds of 1.2-10 mph (1.93-16.09 km/h). With row-by-row section control independent of the seed, you can target applications exactly where they're needed.

²Based on internal tests of a prototype ExactShot system performed across 21 farms in six Midwestern states applying a 51 cm / 2 in.) dose on seeds with 15.2 cm / 6 in.) in-row seed spacing.

DUAL PRODUCT TANK CONFIGURATION

The Dual Product Tank Configuration enhances nutrient availability, ensuring crops receive the right nutrients at the optimal growth stage for higher yields. This system features dual liquid tanks and stainless steel fertilizer lines, with pumps relocated under the tanks for improved efficiency. Each tank is equipped with fertilizer level sensing, allowing for precise management of your nutrient applications.

Dual Tanks and Application

The dual-tank configuration allows for simultaneous application of “pop-up” fertilizer in-furrow and “starter” fertilizer off to the side, providing corn with essential nutrients at critical growth phases. Designed as a factory option, this integrated system is designed to maximize the planter’s carrying capacity while optimizing nutrient delivery.

Agitation, Auxillary and Rinse Tank

The agitation system ensures that fertilizers, chemicals, and micronutrients remain mixed for even coverage, enhancing nutrient availability. The auxiliary tank enables the use of high-value micronutrients, biologicals, fungicides, and insecticides. Features include an adjustable liquid tank agitation system controlled from the cab, electric actuation, and auto shut-off based on tank levels. You can also add a rinse tank on the left side for direct injection applications, providing versatility and efficiency in your planting operations.

Tank Level Sensing

Know how much liquid fertilizer is left in the tank from the convenience of your cab. The fertilizer level is displayed on the G5 CommandCenter™ Display in the SeedStar™ app, eliminating the need for the operator to manually set the fertilizer tank volume and enter the specific gravity. Fertilizer tender drivers and farm managers can remotely view fertilizer tank levels from a smart connected device using the John Deere Operations Center™ mobile app.





TECH THAT WORKS AS HARD AS YOU DO

Discover the latest in planter technology designed to enhance your planting efficiency and accuracy. These advanced solutions streamline the planting process, allowing you to hit your targets with confidence while reducing manual intervention and stress.

Active Vac Automation

Automatically adjust vacuum pressure in real time to deliver optimal seed placement and target population—no matter seed size or field conditions. Say goodbye to mental guesswork and optimize your planting performance by letting Active Vacuum Automation correct for skips or doubles as they occur.

Level Sensing

Keep an eye on your fertilizer levels from the comfort of your cab. Externally mounted sensors give readings on the planter's liquid level remotely—no manual settings needed—so you and your team can better coordinate your fertilizer tendering plans, using the John Deere Operation Center mobile app. Have confidence that everyone is in the right place at the right time to cover more acres while seeding.

Liquid Transfer Automation

Get a near real-time, cumulative view of fertilizer levels on both your 8RX ExactRate™ tanks and planter liquid tank levels in your G5 CommandCenter™, so you can automatically transfer liquid to maintain consistent planter tank levels across the field. Status indicators in the G5 Display show system readiness and active transfer, helping you to simplify liquid management and reduce operator workload.



SeedStar™ 5

Provides a significant agronomic benefit by helping you achieve your planting window with less manual checking. This advanced system improves mapping accuracy, which is designed to minimize the need for in-ground validation from the operator, making the planting process smoother. Additionally, software updates ensure that initial startup performance does not skew mapping data, allowing for accurate performance representation beyond the first 15 feet (4.57 m).



EasyStart™

Designed to help you hit your planting windows by reducing startup time. This feature boosts productivity and decreases stress during the planting process. With a guided workflow, EasyStart™ simplifies the planter startup process by detecting and utilizing planter equipment information to automatically populate necessary details on one convenient screen, ensuring a seamless transition into your planting tasks.



PLANTING SOLUTIONS PLANTER TECHNOLOGY

AutoPath™

This technology uses the first pass of the year, either with a planter or strip-till rig, to establish precise row locations for all subsequent field operations, regardless of implement width or machine type. Operators know which rows to start on and can precisely follow automatically generated guidance lines, increasing the efficiency of field operations throughout the growing season and harvest operations.

Work Plans

Put more plan in your planting. AutoPath integrates with Work Planner, so you can set guidance lines for your entire season during planting. Using strip till and planting data, AutoPath automatically creates full-field guidance lines for all future secondary passes, including application and harvest. AutoPath comes standard in Automation 4.0, which bundles four of our most advanced precision technologies into one package.

Mobile Row Unit Run Off

Determine the optimal meter settings – from your mobile device, for each variety – before you go to the field. Plus, you can quickly troubleshoot and resolve planter row unit performance issues, reducing the time and acreage required to identify issues and dial in the fix.

AutoTrac™ Turn Automation and Implement Guidance

Automates tractor and implement functions on end-row turns; both work through the Gen 4 4600 CommandCenter or 4640 Universal Display to automatically slow the tractor, raise the implement, turn the tractor, and reengage the implement, then maintain the planter's path on the guidance line.





JDLink¹

The bridge between you, your team, and your connected equipment. Working with your StarFire receiver, display, and John Deere Operations Center, JDLink enables you to:

- Share field and equipment data with your dealer, crop advisors, or anyone else you choose.
- Access, view, and share your data any time, from anywhere, with web-based and mobile apps.
- Move field and operational data to and from your machines, easily and securely.
- Monitor, manage and analyze equipment performance and utilization, and uptime.
- Create and manage equipment maintenance plans, and order maintenance parts.



G5 Universal Display

Enjoy a large, 10.1 inch (25.7 cm) touchscreen with 1080p HD resolution that is 35% larger than previous models. With a processor that is three times faster than previous models, you will have quicker cold boot times. Remote Display Control, enabled by Remote Display Access, allows you to check on work in progress or assist operators in need.



G5Plus CommandCenter™ Display

Bigger. Faster. Clearer. The G5Plus Display gives you more space to see and do more, with a 35% larger screen space. A 3x faster processor for faster boots. And a crisp, 1080p high definition resolution gives you visual clarity in almost any condition².



JDLink™ Boost¹

Boost the strength of your JDLink modem and maintain satellite connectivity in areas with limited or no mobile connectivity with JD Link Boost. Make fast, near real-time decisions with continuous machine and field monitoring capabilities.

¹You can turn on JDLink connected service in your John Deere Operations Center account for free. JDLink requires a cellular connection to transfer information from machine to Operations Center. Consult your John Deere Dealer for coverage availability.

²Compared to previous models.

THE TOTAL PLANTING SOLUTION

Combine the efficiency of a John Deere planter with the high-horsepower 8R and 8RX for your total planting solution. The JD-14 13.6L engine, paired with the Peak Power Intelligent Power Management, provides the strength to tackle changing conditions without losing speed. Enjoy seamless HD transfer via the G5 display, and 14-hour run times, so you can spend more time planting and less time stressing.

Available in 12R30, 16R30, and 24R30 configurations, this planter combines impressive planting capacity with a front-folding design that reduces to a convenient 12-foot (3.66 meter) transport width. With a full 21 degrees of wing flex, the 1775NT ensures consistent planting depth, even on rolling or terraced ground.

Get your seeds in the ground at the right time, in the precise place. The 1775NT can be ordered with ExactEmerge™, MaxEmerge™ 5, or MaxEmerge™ 5e row units. ExactEmerge™ gives you an agronomic advantage by combining precise seed placement, uniform depth, and high-speed planting— all of which directly influence emergence, stand quality, and yield potential.

It offers configurations in 12-row split 23/24 and 16-row split 31/32 with either 15/30 inch (38.1/76.2 cm) spacing or 24 rows with 20 inch (50.8 cm) spacing. The unique frame design transfers weight onto the tractor when the planter is raised, eliminating negative hitch weight.

To further reduce compaction, consider the optional factory-installed center-section tracks, providing a larger footprint for improved stability and efficiency.



The **ExactRate™** fluid transfer system enhances agronomic benefits by enabling application accuracy at speed, ensuring you hit your planting windows while maximizing nutrient availability. Coupled with Individual Row Hydraulic Downforce (IRHD), it promotes uniform emergence for healthier crops. This planter is one of the most flexible and technologically advanced planting systems available.



BUILT FOR SPLIT ROWS. READY FOR ANYTHING.

Available in configurations tailored to a variety of row counts and spacings, the 1795 combines John Deere's most practical and productive planting technologies. With the Central Commodity System (CCS) offering bulk seed delivery in 70, 100, or 130 bushel (1.91, 2.72, 3.54 metric tons) capacities, the 1795 ensures you have the capacity to meet your planting needs.

The 1795 Planter is available in 12-row split 23/24 and 16-row split 31/32 configurations, both with 15/30 inch (38.1/76.2 cm) spacing, or a 24-row option with 20 inch (50.8 cm) spacing. MaxEmerge™ 5 Row Units come standard, with options for ExactEmerge™ or MaxEmerge™ 5e Row Units. The unique frame design positions seeds in front of the mainframe, transferring weight onto the tractor when raised and eliminating negative hitch weight.

With the 1795, you can hit planting windows with precision, enhance nutrient availability, and achieve uniform emergence.



The available **ExactRate™** fertilizer system provides impressive application accuracy at speed, while compatibility with **Individual Row Hydraulic Downforce (IRHD)** maintains seed depth and soil contact regardless of soil conditions. Supported by a rugged frame that folds to an easy-to-manage 12 foot (3.66 meter) transport width, this planter is designed for efficiency and convenience.



BIG ACREAGE? TIGHT WINDOWS? NO PROBLEM.

When time is tight and your acres need covered, the DB Series Planters are your solution. Available in 13 front-folding configurations, with widths ranging from 44 to 120 feet (13.4 to 36.58 m) and row spacings of 20, 22, and 30 inches (50.8, 55.9 and 76.2 cm)—including a split-row model—these planters are engineered for efficiency. With up to 15 degrees of flex in each wing, you can ensure consistent planting depth on rolling terrain. The DB Series features a variety of row units and seed-carrying capacities, along with an impressive factory-installed fluid capacity of up to 600 gallons (2271 L), all supported by a rugged 7x7 steel frame.

The DB Series Planters can be ordered with Individual Row Hydraulic Downforce™, pneumatic downforce, or heavy-duty spring downforce systems. It comes equipped with the John Deere Curve Compensation system (available only with MaxEmerge™ 5e and ExactEmerge™ row units), which adjusts the rate of inside row units during turns to prevent over-population.





EVERY SEED.EVERY PASS. EVERY SPRING.

Cotton growers can elevate their planting capabilities with the new 1725C planter. Available with or without a Central Commodity System (CCS™) tank, this planter provides agronomic technology that helps you achieve uniform emergence, uniform spacing, correct population, and precise nutrient placement.

You can choose between ExactEmerge™ or MaxEmerge™ 5e row units and select from spacing options of 30, 36, 38, or 40 inches (76.2, 91.44, 96.52, or 101.6 cm). Additionally, the planter offers flexibility with a CCS™ tank that features a folding staircase or one of three factory-installed hopper options: 1.6 bu (56.4 L) MaxEmerge™ 5e or ExactEmerge™, 2.7 bu (95.1 L) ExactEmerge™, or 3.0 bu (105.7 L) MaxEmerge™ 5e.

The agronomic benefits of the 1725C planter include uniform emergence, uniform spacing, correct population, and effective nutrient placement. Designed specifically for cotton growers, this planter enhances your technological capability and ensures optimal planting performance.

With advanced features and specifications, including the ExactEmerge™ and MaxEmerge™ 5e row units, the 1725C is built to maximize your planting efficiency.

Technologies include:	Additional Features:
Electric Drive Row Units	12 row or 16 row option
Pneumatic Row Cleaners	55 bu (1938.2 L) CCS Tank
Pneumatic Closing Wheels	Folding Step Ladder
Individual Row Hydraulic Downforce	3 Factory Installed Hopper Sizes
ExactRate™	



VERSATILITY REDEFINED

For versatile planting performance in a stack-fold design, choose the DR Series Planters. Equipped with John Deere MaxEmerge™ 5, MaxEmerge™ 5e, or ExactEmerge™ Row Units, these planters feature durable bars from Orthman® Manufacturing, ensuring robust functionality and reliability. Available in 12-, 16-, 18-, or 24-row configurations with a variety of spacing options, the DR Series offers the flexibility and capacity essential for enhancing planting efficiency.

The agronomic benefits of the DR Series include ensuring uniform emergence through effective downforce options. This powerful performance in a stack-fold design allows you to maximize productivity while minimizing operational challenges.

With features like rugged, hard-working bars from Orthman® Manufacturing, the DR Series is built to handle the demands of modern farming. Enjoy the peace of mind that comes with flexible configurations, tailored spacing options, and advanced downforce systems, all designed to enhance your planting experience and efficiency.

FLEXIBLE, COMPACT, COMPATIBLE.

The 1745 Planter delivers exceptional performance, maneuverability, and customizability in a compact design that's easy to handle on narrow roads and compatible with older, smaller tractors.

Configured to plant soybeans in 15R15 and corn in 8R30 setups, this planter offers liquid or dry fertilizer options on non-bulk-fill models, with a capacity of 300 gallons (1,136 L) for liquid or 35.3 cu ft (1,000 L) for dry. When outfitted with the Central Commodity System, the 1745 provides 50 bushels (1.36 metric tons) of seed-carrying capacity and bulk-fill capability, making it suitable for a wide range of crops.

Corn growers will benefit from fewer skips and overlaps, achieving average seed savings of 4.3% with the available Section Control.¹

The mechanical radial bean meter ensures improved soybean spacing and population control, allowing seeds to pool in the meter chamber before being routed to individual cells for gentle delivery into the furrow. The ProMAX 40 Flat Disk accurately singulates corn seeds of various sizes and shapes, enabling optimal release from above the seed tube while requiring fewer revolutions to achieve the desired population, minimizing agitation and reducing the risk of seed damage.

Experience the efficiency and flexibility of the 1745 Planter, equipped with bulk filling and carrying capacity through the Central Commodity System, now available for your planting needs.

¹Based on an Auburn University study comparing planters equipped with and without Section Control.





FIND YOUR PERFECT PLANTING SOLUTION

The 1765 Planter is available in standard, flex, and narrow-transport (NT) configurations; the flex and rigid versions give you 12R30 capability, while the 1765NT gives you 6R30 planting. Both the rigid and NT versions can be ordered with a liquid fertilizer system featuring either 300 gallon (1135.6L, 8-row configurations) or 450 gallon (1703.4 L, 12-row configurations) of liquid carrying capacity. For growers with rolling or terraced ground, the 1765 Flex allows up to 20 degrees of flex to help maintain consistent seed depth.

TIME TO LEVEL UP

Elevate your planting efficiency with a John Deere precision upgrade, designed to enhance performance and ensure optimal seed placement. They give you the tools you need to achieve uniform emergence, maximize yield potential, and streamline your planting operations. With features that improve accuracy, reduce manual adjustments, and enhance overall productivity, our precision upgrades are tailored to meet the demands of modern farming. Explore the advancements that will transform your planter into a powerful, efficient machine, ready to tackle any field with confidence.

Ultimate Planter Upgrades

This complete solution includes new factory row units to replace worn components and improve reliability.

- ExactEmerge™ or MaxEmerge™ 5e electric meters.
- Individual Row Hydraulic Downforce and active pneumatic downforce.
- Customizable technology to meet your specific needs, such as fertilizer, granular insecticide, LED lights, and more.
- Upgrade your in-cab experience to SeedStar 5™, a planter monitoring system.



Meter Upgrade Kits

Easily turn your existing mechanical drive planter into an ExactEmerge or MaxEmerge 5e electric drive planter, all while keeping your existing row units.

- Works with a wide variety of John Deere planters and crop types.
- Great option for a grower who wants to upgrade meters but doesn't need to replace downforce systems, closing wheels, gauge wheels, etc.



Liquid Systems

ExactShot™ and ExactRate™ enhance nutrient application efficiency with precise delivery systems.



Individual Row Hydraulic Downforce (IRHD) Gen 2

IRHD promotes uniform emergence by adjusting downforce up to 100 lbs (45.4 kg) five times per second. Features include improved actuator durability, a dual accumulator, and a pressure sensor for optimal performance.



Frame Weight Distribution

Ensure uniform emergence by reducing compaction and increasing downforce on row units. This Precision Upgrade redistributes weight to the wings for enhanced stability.



Downforce Automation Powered by FurrowVision™

Maintain proper planting depth and prevent furrow collapse by automatically adjusting to changing field conditions. Monitor ground contact and soil resistance to optimize downforce—keeping emergence uniform while you stay in the cab.



Ultimate LED Lighting

Meet your planting windows by working into the night with Ultimate LED Lighting. Offers full illumination across the toolbar and improved visibility for obstacle detection and seed level monitoring.



RAISE THE BAR ON TECHNOLOGY

Population. Spacing. Uniform Emergence. These are key to ensure you have a great start to your season. So, if worn out parts on your planter are costing you yield, consider adding these precision upgrades so you can have the newest technology available when you hit the ground running.



Planting Window



Uniform Spacing/Emergence



Correct Population

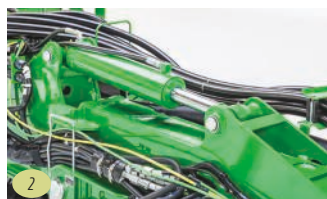


Nutrient Placement



Color-Coded Hydraulic Hose Handles

Quickly connect your planter hydraulic hoses to the tractor with extend and retract icons on these color-coded hose handles.



Frame Weight Distribution

Reduce compaction in the center section of CCS planters by redistributing weights to the wings to increase downforce on each row unit.



Ultimate LED Lighting

Extend working days into night by providing improved visibility beyond the ends of the planter to better detect obstacles, plugs and more.



Ultimate Planter Upgrade

Boost your planter's productivity and reliability with new ExactEmerge™ or MaxEmerge™ 5e factory built row units and replace wear parts like gauge wheels, parallel arms, and closing wheels.



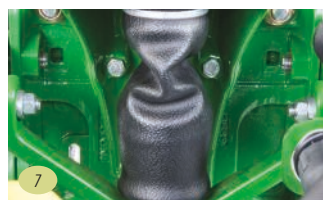
Easy Adjust Row Cleaners

Make on-the-go adjustments from the cab with the push of a button for wet areas, waterways, or end rows.



Individual Row Hydraulic Downforce (IRHD)

Obtain peak planting performance at high speeds with 5 times per second adjustments to ensure consistent planting depth and optimal seed-to-soil contact.



Active Pneumatic downforce

Increase or decrease pressure and maintain row-unit target margin values from the comfort of the cab with active pneumatic downforce.



ExactChem™

ExactChem is an intergrated granular insecticide upgrade designed specifically for John Deere electric drive planters. It gives you more flexibility, more accuracy, and more time savings.



ExactEmerge™

With ExactEmerge™, place seed precisely at the bottom of the trench, with no bouncing or rolling for precise population control – even on sloping terrain and at speeds of up to 10 mph (16 km/h).



MaxEmerge™ 5e

Maintain population accuracy throughout the field with electric drive meters and row-by-row shutoff for perfect spacing – even around corners and curves.



Meter Upgrade

Upgrade your planter's performance by converting your existing meters to ExactEmerge™ or MaxEmerge™ 5e electric drive. It's a cost-effective way to boost accuracy and efficiency without the larger investment of an Ultimate Planter Upgrade.



Pneumatic Closing Wheels

Improve seed-to-soil contact for uniform emergence and better yield potential by adjusting the closing wheels in just seconds and providing consistent closing in rough field conditions.



ExactRate™ Liquid Fertilizer System

Offered in 2x2 or in-furrow configuration, ExactRate applies nutrients at the time of planting with individual row shutoff and curve compensation.



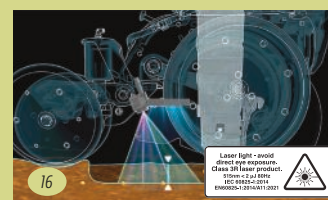
ExactShot™

Promote early root development and save on fertilizer cost by delivering a dose of starter fertilizer to the seed and surrounding area compared to a steady consistent flow in the row.



Yetter Twister Closing Wheels

Optional closing wheels ensure consistent trench closure by breaking up the side wall with the center ring design of Yetter twister closing wheels.



FurrowVision™

Measure seed depth and view the planting trench with FurrowVision. Save time and keep running when you can verify accurate planting depth right from the seat of your cab.

PLANTING SOLUTION AFTERMARKET



RUN IT YOUR WAY

When you choose John Deere, you get more than just hard-working, durable equipment. You get game-changing technology that provides clear, reliable information for you to get the most out of your planter.

With **John Deere Operations Center™** and **Equipment Mobile** – along with the convenience of purchasing parts, attachments, and accessories from your dealer online at **Shop.Deere.com** – it's now easier to use, maintain, diagnose, repair, and protect your planter for the long run.

Whether you perform the work yourself – or partner with your local John Deere dealer – keep your planter running with our valuable digital tools and OEM parts.

JOHN DEERE OPERATIONS CENTER™

Manage your planter's performance and maintenance with the John Deere Operations Center. Tap into the free Service Overview tool to track maintenance intervals, machine insights, diagnostic trouble codes, and more. Upgrade to an Operations Center PRO Service license for detailed diagnostics, AI-assisted technical manuals, and guided support to keep your planter running at its best.

EQUIPMENT MOBILE

With the free, user-friendly Equipment Mobile app, you're just a few taps away from searchable Operator's Manuals, maintenance tracking, seamless parts ordering, machine setup tips, and other valuable planter information.

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Get the parts you need when you need them. Experience choice when you place your order – along with support from your local John Deere dealer – and often have product delivered right to your door.

Learn more at JohnDeere.com/RunItYourWay.



Tru-Vee™ Opener Blade

Replace worn blades with Tru-Vee openers (AA105716) that feature a redesigned hub, bearing, and rivets. Available for MaxEmerge™ XP and newer row units.



Gauge Wheel Arm Rebuild Kit

Plant seeds at a more consistent and accurate depth by replacing worn gauge wheel arms and bushings with this cost-savings kit (AA103998).



One-piece Closing Wheels

Reduce component wear and limit soil disturbance and mud packing with one-piece closing wheels. Options include standard (AA97549) and heavy duty (AA101967).



Hydraulic Hoses

Your local John Deere dealer can replace worn or damaged hydraulic hoses on your planter with all new hoses.



Greases & Lubricants

John Deere offers a proprietary line of high-performance greases and lubricants that helps equipment owners maintain reliability and keep up with routine service needs.



Equipment Mobile

Download the Equipment Mobile app to easily track service intervals, view Operator's Manual, and access parts information for your planter.

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