

DL SERIES PLANTER



CONTROL WHAT YOU CAN

No matter the crop you grow or how many hectares you plant, one thing remains true: getting the best yields possible starts with getting the most uniform stand possible. And that means getting seed into the ground fast, within the optimum planting window and with consistent depth and spacing.

Overlooking depth, spacing and population uniformity can easily reduce yield potential of your crop from the start – potential you will never regain even if you do everything else perfectly for the rest of the growing season.

That's why John Deere offers a complete solution with the DL Series planter configurations to handle nearly any crop or cropping system, equipped with robust row units designed for accurate, consistent and efficient seed placement as well as optional features and accurate fertiliser metering with placement tools to accommodate a range of planting conditions.

So, it only makes sense to control what you can – by selecting the most appropriate variety and hybrid and counting on John Deere Row Unit technology to get those seeds into the ground as quickly as possible without costly skips at consistent depth and spacing.

THE MOST ADVANCED CORN AND SOYBEAN PLANTER AVAILABLE



The DL Series planter offers the most flexible and technologically advanced planting system on the market. Available in 12 Row and 16 Row frame configurations with popular row spacings and bulk carrying fertiliser equipment, the DL Series brings together the most practical and productive John Deere planting technologies to meet a wide range of planting requirements.

With base configuration offerings including the MaxEmerge 5e electric metering units equipped with 150 l seed hoppers, bulk Dry Fertiliser capacity of 6200 l with precision rate controlled fertiliser metering, the planter is already setup for unmatched seed singulation and spacing, and accurate fertiliser application at speed. With the Individual Row Unit Hydraulic Down Force included as base equipment, seed depth and soil contact is accurately maintained regardless of the soil condition.

- The DL Series planter is available in both Conventional Till as well as Minimum Till frame configurations. Both configurations are offered in 12 Row frame sizes for 0,762 m and 0,914 m row spacings as well as 16 Row frame sizes for 0,762 m and 0,914 m row spacings.
- The high performance MaxEmerge 5e electric driven Row Units are standard equipment on DL Series planters. The precision ExactEmerge Row Units are also available to be ordered with the DL Series planters.
- The DL Series planter comes standard equipped with the latest in advanced John Deere SeedStar monitoring technology, including map based variable rate planting and fertiliser application, as well as Connect Mobile.

CAPACITY, MANEUVERABILITY, FLEXIBILITY AND PRODUCTIVITY



With both the Conventional Till and Minimum Till frame designs equipped with the 6200 l bulk fertiliser tank fitted with accurate rate controlled fertiliser metering and distribution systems for either dry or liquid fertiliser, the DL Series planters are ready to keep you in the field longer, increasing the hectares you can plant per day and boosting overall field productivity and efficiency. Accurate fertiliser metering, distribution and placement of fertiliser is equally important to ensure uniform crop emergence and plant physiological development occur from the start to secure maximum yield potential.

- The Conventional Till frame is equipped with the heavy duty Single Disc Fertiliser openers while the robust Minimum Till frame is equipped with the heavy duty Tine Fertiliser Opener, designed and manufactured to provide reliable and trouble free operation in any soil type and seedbed residue condition.

- Equipped with a Dry Fertiliser or Liquid Fertiliser Rate Controller that allows for exact calibration and metering of Fertiliser together with accurate distribution and placement of fertiliser across the frame width of the planter.
- Wing frames can flex 10 degrees up and down to follow the ground contour while maintaining equal frame height to the planting units through the unique hydraulic load balancing system across the frame.
- Wing frames can be easily folded to the vertical position for quick and smooth transportation to the next field and resume planting.

Equipped with heavy duty Row Cleaners as standard equipment on DL Series Planters, final preparation of the seedbed ahead of the Row Units ensures a leveled seedbed ideal for accurate singulation, delivery and placement of the seeds, allowing you to continue planting at a productive pace and with confidence that this most important operation is executed to perfection no matter the variation in seedbed conditions.

PRO-LEVEL PLATING POWER

MaxEmerge 5e Row Unit

THE MOST VERSATILE OPTION WITH
SOLID PERFORMANCE

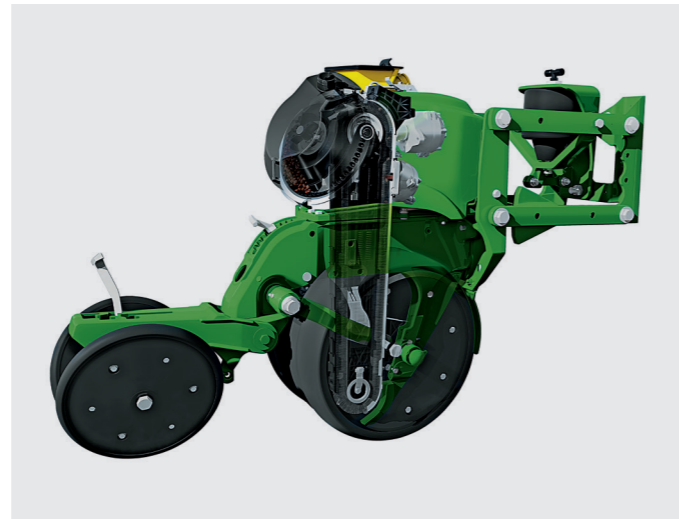


Curved and oddly-shaped fields are no problem for the MaxEmerge 5e Row Units. Electric drives allow the outer units to maintain population accuracy around curves and make the MaxEmerge 5e Unit perfectly suited to variable-rate planting systems. Corn and soybean growers can see overall yield potential improved by 1% to 2% thanks to more precise population and spacing¹. DL Series planters are standard equipped with MaxEmerge 5e Row Units, which directly offer you;

- Electric drive metering units that eliminate the chatter and wear typical of mechanical drives.
- Row-by-row shutoff for perfect spacing when you are planting around corners and curves.
- The largest approved list of crops planted.

ExactEmerge Row Unit

INCREASED ACCURACY UP TO 16 KM/H



The industry-leading ExactEmerge Row Units is designed to do one thing; put seed into the ground at speed with pinpoint population and spacing accuracy. The key is the exclusive BrushBelt delivery system. The BrushBelt system does not drop seed; it places each seed precisely at the bottom of the furrow with no bouncing or rolling that might affect seed spacing.

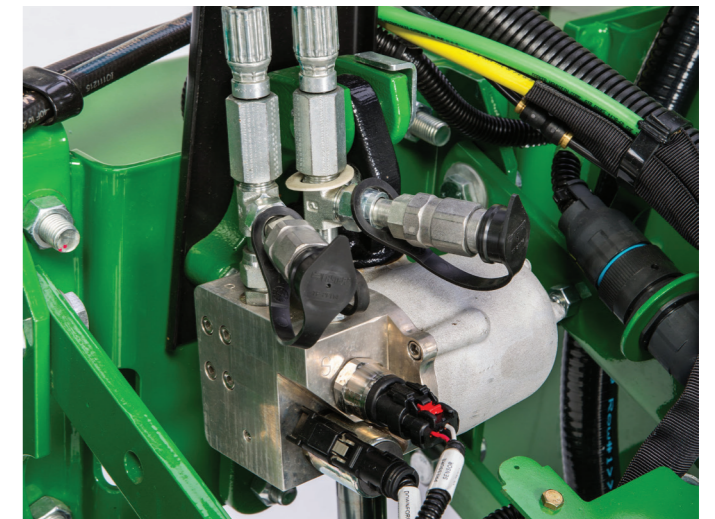
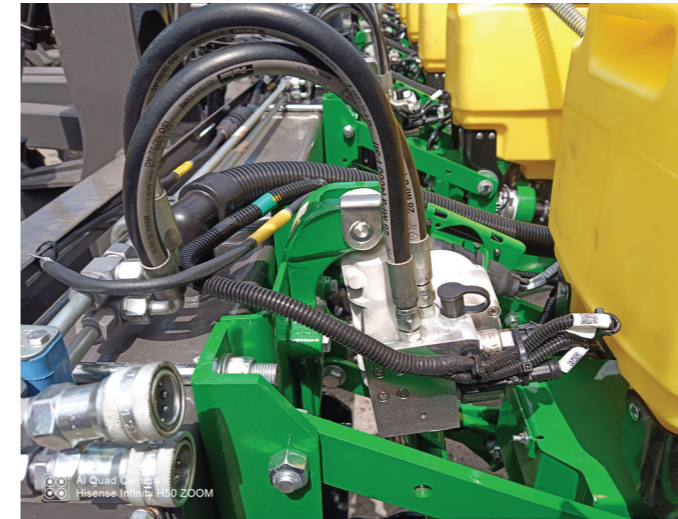
Feeding the BrushBelt is a high-performance electric-driven vacuum meter that lets you plant a wide range of seed shapes and sizes all at once, with no mechanical adjustments. New and updated components like the poly-tine doubles eliminator and redesigned concave deliver singulated seed accurately and gently to the BrushBelt, giving you precise population control, even on sloping terrain and at speeds of up to 16 km/h.

So when minutes count, look at the ExactEmerge to get you in and out of the field quickly, with pinpoint population and spacing accuracy.

- A 7 percent higher soybean survival rate as compared to other manufacturer's row units².
- Super-accurate placement, even at planting speed of up to 16 km/h.
- Unmatched population uniformity.

Individual Row Hydraulic Downforce (IRHD)

THE BEST SYSTEM FOR FIELD VARIABILITY



Individual Row Hydraulic Downforce helps ensure consistent planting depth and optimal seed-to-soil contact, even in rapidly changing field conditions. IRHD adjusts downforce up to 5 times per second and can make a 50 kg adjustment in less than 1 second ... Nearly 40% faster than other manufacturers' systems³. Our built-in accumulator helps take the shock out of the row unit and assists with your planter's overall ride.

- Promotes up to 9% higher grain yield potential⁴.
- Features an integrated accumulator to help protect row units from shock.
- Ensures each seed is spaced at the same depth.
- Promotes optimal seed-to-soil contact for a picture-perfect stand.

1. Dorr 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/2020/03high-speed-planting-technology>.
2. Internal John Deere comparison between MaxEmerge 5e row units and components with original MaxEmerge row units and components.
3. Internal John Deere comparison between John Deere IRHD components with downforce components from other manufacturers.
4. Planting Outcome Effects on Corn Yield. Crop Insights by Tom Doerge, Mark Jeschke and Paul Carter: http://www.pioneer.com/us/agronomy/corn-planting_outcome_effects.htm/

CUSTOMISABLE FOR YOUR CONDITIONS

A range of options to customise your planter to your specific soil types and residue levels. Talk to your John Deere dealer to learn more about the full range of available options.



CCS (Central Commodity System) for seed

Should you require a CCS system for handling bulk seed, you can order the planter with the 2200 I CSS bin and seed metering/distribution system. Your planter row units will then be equipped with the MaxEmerge 5e Mini Hopper system that comes with the CCS.

Fertiliser Options

6200 I Dry or Liquid Fertiliser with precision rate-controlled fertiliser metering. Liquid squeeze pump or diaphragm pump with flow monitor and individual delivery tubes to the fertiliser openers.

Closing Wheels and Systems

Good seed-to-soil contact is critical for fast, uniform emergence of the crop. That's why we offer a full selection of closing systems so you can tailor your planting system to your crops and conditions. Your DL Series planter is standard equipped with the Standard Rubber-tire Closing Wheels.



Poly Spike Closing Wheels

Best for planting in sandy soils. Leaves the soil surface crusted to prevent a hardened layer.



Disk Closing System

Best for planting at shallow depths in lighter soils. This pushes soil against and over the seed while the press wheel applies pressure for good seed-to-soil contact.

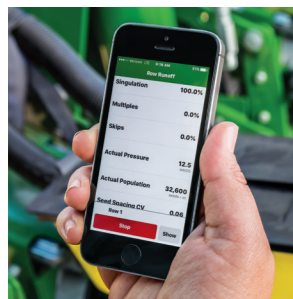


Cast Iron Closing Wheels

Best for tough soils and heavier residue when you need more pressure to close the furrow. Like the standard wheels, the cast iron wheels are adjustable for stagger, spacing and angle.

JOHN DEERE TECHNOLOGY SOLUTIONS

From advanced row unit monitoring to convenience features, you will wonder how you ever lived without it. John Deere offers a complete line of technology products and applications, all designed to help you make the most of every hour, every seed, and every hectare.



Mobile Row Unit Run Off

lets you 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 any planter row unit performance issues, reducing the time and hectares required to identify issues and dial in the fix.



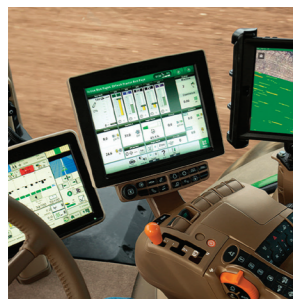
Setting Manager

lets you save settings for a particular crop, condition, or management practice and then quickly recall those settings when you head to the field. With one button, you can recall seeding rates, fertiliser rates, downforce, alarm preferences and tractor settings.



SeedStar 4HP

monitoring system lets you view multiple functions at once in a simplified overview layout. Touch the bar chart, and you can zoom into any row for detailed information on that row. Use-configurable run pages lets you arrange SeedStar modules according to your or your operator's preferences.



John Deere Connect Mobile

provides the framework for planting, spraying and harvesting operations to let you easily document and visualise your agronomic and performance data, all from within a single app on your Apple iPad. Connect Mobile integrates easily with existing John Deere technology and allows you to document and visualise row-by-row planter performance, monitor job performance in real time and make informed decisions from the cab, and review multiple map layers across production steps.



AutoTrac Turn Automation and Implement Guidance

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

CONNECTED TECHNOLOGY



TURN YOUR PLANS INTO ACTION

The technology you use is only as valuable as the advantages it delivers. In your case, that means helping you make decisions that result in higher yields, reduced costs and more acres farmed in less time.

That's exactly what you will get with John Deere Operations Center.

The combination of equipment, data transfer technology and apps allows you to:

- See what is happening in your operation currently and learn from performance over time.
- Collaborate with the right people and use the right tools to optimise performance and profitability.
- Turn plans into action and make calculated adjustments as conditions change.

The bottom line – *John Deere Operations Center* provides easy access to crucial information about your farming operation when you need it and where you need it.

JDLink is the bridge between you, your team, and your connected equipment. Working with your StarFire receiver, display, and John Deere Operations Center, JDLink enables seamless, automatic transfer of equipment, field and operator data to and from the Operations Center, allowing you to;

- Share field and equipment data with your dealer, crop advisors or anyone else you choose.
- Access, view, and share your data anytime, from anywhere, with web-based and mobile apps.
- Move field and operational data to and from your machines easily and securely.
- Monitor, manage and analyse equipment performance and utilisation and avoid costly downtime.
- Create and manage equipment maintenance plans, and order maintenance parts.

From equipment utilisation to operator efficiency to field and any data, the information you harvest this year is the foundation for decision-making next year ... as long as that information is easy to access, analyse and share.

DL Planter Model	DL12-CT9	DL12-MT9	DL12-CT11	DL12-MT11	DL16-CT12	DL16-MT12	DL16-CT14	DL16-MT14
TYPE	Conventional Till	Minimum Till	Conventional Till	Minimum Till	Conventional Till	Minimum Till	Conventional Till	Minimum Till
ROW UNIT	EE/ME5e	EE/ME5e	EE/ME5e	EE/ME5e	EE/ME5e	EE/ME5e	EE/ME5e	EE/ME5e
Base Equipment	ME5e	ME5e	ME5e	ME5e	ME5e	ME5e	ME5e	ME5e
Option	EE	EE	EE	EE	EE	EE	EE	EE
Monitor System	4 HP	4 HP	4 HP	4 HP	4 HP	4 HP	4 HP	4 HP
FRAME (ROVIC LEERS MFG)								
Control	Frame Control	Frame Control	Frame Control	Frame Control	Frame Control	Frame Control	Frame Control	Frame Control
Type	3-section VF	3-section VF	3-section VF	3-section VF	3-section VF	3-section VF	5-section VF	5-section VF
Toolbar & Width	100 mm Sq. - 9 m	100 mm Sq. - 9 m	100 mm Sq. - 11 m	100 mm Sq. - 11 m	100 mm Sq. - 12 m	100 mm Sq. - 12 m	100 mm Sq. - 14 m	100 mm Sq. - 14 m
FLEXIBILITY								
Wings	Each wing flexes 10 degrees up and down. Wings are controlled with balanced active down force.				Each wing flexes 10 degrees up and down. Wings are controlled with balanced active down force.			
LIFT SYSTEM								
Wheel Module	Hydraulic rephasing cylinders			Hydraulic rephasing cylinders				
TIRES								
Drive/Transport Tires (2)	500/60 R22.5	500/60 R22.5	500/60 R22.5	500/60 R22.5	500/60 R22.5	500/60 R22.5	500/60 R22.5	500/60 R22.5
Wing Tires (2)	400/55 R22.5	400/55 R22.5	400/55 R22.5	400/55 R22.5	400/55 R22.5	400/55 R22.5	400/55 R22.5	400/55 R22.5
SEED & FERTILISER DRIVE								
Seed Drive	Electric variable-rate	Electric variable-rate	Electric variable-rate	Electric variable-rate	Electric variable-rate	Electric variable-rate	Electric variable-rate	Electric variable-rate
Fertiliser Drive	Hydraulic variable-rate	Hydraulic variable-rate	Hydraulic variable-rate	Hydraulic variable-rate	Hydraulic variable-rate	Hydraulic variable-rate	Hydraulic variable-rate	Hydraulic variable-rate
NUMBER OF ROWS & SPACING								
	12R on 0.762 m	12R on 0.762 m	12R on 0.914 m	12R on 0.914 m	16R on 0.762 m	16R on 0.762 m	16R on 0.914 m	16R on 0.914 m
PLANTING UNITS (JOHN DEERE)								
Meter	Vacuum - 1 Blower (6 ccm)	Vacuum - 1 Blower (6 ccm)	Vacuum - 1 Blower (6 ccm)	Vacuum - 1 Blower (6 ccm)	Vacuum - 1 Blower (6 ccm)	Vacuum - 1 Blower (6 ccm)	Vacuum - 1 Blower (6 ccm)	Vacuum - 1 Blower (6 ccm)
SEED HOPPER								
Option	75L	75L	75L	75L	75L	75L	75L	75L
Base Equipment	150L	150L	150L	150L	150L	150L	150L	150L
CENTRAL COMODITY SYSTEM								
Seed (Option)	2200L	2200L	2200L	2200L	2200L	2200L	2200L	2200L
Fertiliser Granular	6200L	6200L	6200L	6200L	6200L	6200L	6200L	6200L
Fertiliser Liquid	6200L	6200L	6200L	6200L	6200L	6200L	6200L	6200L
FERTILISER OPENERS								
Single Disc (560 mm dia)(100 - 150 mm depth)	CT		CT		CT		CT	
Tine w/Coulter (100 - 185 mm depth)		MT		MT		MT		MT
ROW UNIT ATTACHMENTS								
HD Row Cleaner - mechanical	Base Equipment	Base Equipment	Base Equipment	Base Equipment	Base Equipment	Base Equipment	Base Equipment	Base Equipment
RU Hydraulic Downforce	Base Equipment	Base Equipment	Base Equipment	Base Equipment	Base Equipment	Base Equipment	Base Equipment	Base Equipment
TRACTOR HP REQUIREMENT								
Tractor HP	200hp - 320hp	200hp - 320hp	200hp - 320hp	200hp - 320hp	270hp - 380hp	270hp - 380hp	270hp - 380hp	270hp - 380hp
DIMENSIONS								
Length (m)	8,5	8,5	8,5	8,5	8,5	8,5	8,5	8,5
Working Width (m)	9,0	9,0	10,6	10,6	12,1	12,1	14,3	14,3
Transport Height (m)	3,7	3,7	4,0	4,0	5,0	5,0	5,2	5,2
Transport Width (m)	6,3	6,3	7,0	7,0	6,3	6,3	7,0	7,0
FRAME SIZE AND CONFIGURATION								
Frame Size	DL12 - 12Row CT 9 m Frame	DL12 - 12Row MT 9 m Frame	DL12 - 12Row CT 11 m Frame	DL12 - 12Row MT 11 m Frame	DL16 - 16Row CT 12 m Frame	DL16 - 16Row MT 12 m Frame	DL16 - 16Row CT 14 m Frame	DL16 - 16Row MT 14 m Frame

PARTS AND SERVICE SUPPORT TO KEEP YOU RUNNING



INSPECTIONS

Your planter will perform like new for years to come, with comprehensive inspections from your local John Deere dealer. The best-trained technicians in the industry will replace worn parts and tune up other key areas to ensure your planter is up and running before you start your planting operation.

SUPPORTED BY ONE OF THE MOST RESPONSIVE NETWORKS IN THE BUSINESS

Nobody cares more about keeping your equipment in solid working order than your John Deere dealer. With a complete inventory of genuine John Deere parts, highly trained service technicians, and a thorough understanding of your business, your John Deere dealer knows how to keep your equipment up and running.

A strong name in equipment and a strong dealership network – get it all with John Deere.

