1700- and DB-series row-crop planters with MaxEmerge XP and Pro-Series XP row units
When it comes to putting seed in the ground, there’s no room for error. Which is why you need a planter that delivers precision and productivity, acre after acre. From bulk-seed capabilities with our Central Commodity System (CCS) to split-row models, and from narrow transport widths to multiple row-width configurations, John Deere has a planting solution for you.

And because needs in the field continue to evolve, our equipment does too. New to the lineup is a DB60 Split-Row Planter for our corn/bean customers. And the new 16-row 1720 CCS Stack-Fold Planter brings bulk-fill to the integral planter market.

Technology continues to improve, as well. The SeedStar™ 2 monitoring system works with your GreenStar™ 2 display to provide all vital planting information in one location. And our new RowCommand™ lets you turn off up to 16 sections while planting to eliminate seed waste.

So whether you choose new or tried-and-true, there’s no better way to get seed consistently and effectively in the furrow than with a John Deere planter.
At John Deere, our goal is always to get you “Ready To Plant.” That’s why we spend so much time refining our planters and their inner workings – including the seed meters. This year, for example, we made factory-installed double eliminators standard on Pro-Series row units. It’s a small change, but one that helps ensure you always get the best seed spacing possible when using the popular ProMAX 40 Flat Seed Disk.

The John Deere VacuMeter™ seed-metering system is the forefront for accuracy, efficiency, and reliability. Its design ensures that every seed is consistently released above the seed tube for improved seed drop and uncontested spacing. Here, seed is held by gentle suction until it rotates to the drop-off area and gently falls through the seed tube into the furrow.

**John Deere VacuMeter**

**Double Eliminator**

The factory-installed double eliminator on the Pro-Disk can only have a certain amount of seeds metered in the seed metering unit that are consistently released above the seed tube for even spacing. These settings are fine-tuned for every seed type. The double eliminator ensures the coverage of the seed at the seed tube, hence setting an upper limit on how many seeds are metered per row and for unobstructed accuracy across your planter. The outer meter offers the best of scalability, convenience, and usability.

**Seed Meter Options**

**VacuMeter**

It's these simple yet important updates that keep the John Deere VacuMeter™ system at the forefront for accuracy, efficiency, and reliability. Its design ensures that every seed is consistently released above the seed tube for improved seed drop and uncontested spacing.

Have more specialized planting needs? Prefer mechanical meters? Have more specialized planting needs? Prefer mechanical meters? Then equip your planter with the AccuCount seed sensor. This technology counts every seed, which makes it ideal for high-population crops. The chart below shows the sensor's accuracy, even at populations above 200,000. An external LED display lets you know the sensor is working. (For use with regular curved seed tubes only.)

**AccuCount Seed Sensor**

- **Finger-pickup meter**: Most commonly used where seed density is high, such as regular curved seed tubes. This mechanical meter does 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 lower edge of the bowl for individual cells. Here, seed is held until it releases from the drop-off area and gently falls through the seed tube into the furrow.

- **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 releases from 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 XP row units. Changing between finger-pickup meters and radial-bean meters requires only a few minutes. A popular choice on 7100 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 XP Row Unit

A one-piece, ductile-iron shank is the foundation of the MaxEmerge™ row unit. Ductile-iron castings deflect without bending, withstand impacts without cracking, and can be machined to close tolerances for precise assembly — reducing time and cost associated to bending and bending under the impacts and loads associated with the toughest no-till and contour planting conditions.

Pro-Series™ Drive option for all planters with a VacuMeter (not compatible with dry chemical system; see pages 8 and 9).

Durable, fully-enclosed, lubed-for-life and maintenance-free, the Pro-Shaft drive eliminates drive chains, residue shields, and the hassles that go with them.

Gauge wheels feature a bolt-through design for improved retention and easier maintenance. This design also helps to ensure proper spacing of the gauge wheels to the disk-opener blades, while a rugged bearing design provides more load capacity.

Positive-locking seed-tube guard protects the tube and helps maintain more-precise seed drop for more-consistent seed spacing. This enhanced design eliminates the troublesome roll-pin attachment.

Gauge wheels feature a bolt-through design for improved retention and easier maintenance. This design also helps to ensure proper spacing of the gauge wheels to the disk-opener blades, while a rugged bearing design provides more load capacity.

Positive-locking seed-tube guard protects the tube and helps maintain more-precise seed drop for more-consistent seed spacing. This enhanced design eliminates the troublesome roll-pin attachment.

John Deere XP Row Units: The foundation of precision

A pneumatic downforce system lets you match down-pressure to your conditions. A single-die forging unit goes out in every automatic down-pressure, up to 400 pounds per row.

The Pro-Series™ row unit utilizes the Pro-Shaft drive, which eliminates the chain drives and the residue shields that go with them. The Pro-Shaft drive is durable, lubed-for-life, and maintenance-free. Engaging and disengaging are accomplished with a simple turn of a knob. Not only will you get all the advantages of a smoother drive system, but you’ll also get to lose the oil can.

Pro-Series™ Row Unit

Positive-locking seed-tube guard protects the tube and helps maintain more-precise seed drop for more-consistent seed spacing. This enhanced design eliminates the troublesome roll-pin attachment.

Durable, fully-enclosed, lubed-for-life and maintenance-free, the Pro-Shaft drive eliminates drive chains, residue shields, and the hassles that go with them.

Gauge wheels feature a bolt-through design for improved retention and easier maintenance. This design also helps to ensure proper spacing of the gauge wheels to the disk-opener blades, while a rugged bearing design provides more load capacity.

Positive-locking seed-tube guard protects the tube and helps maintain more-precise seed drop for more-consistent seed spacing. This enhanced design eliminates the troublesome roll-pin attachment.

Gauge wheels feature a bolt-through design for improved retention and easier maintenance. This design also helps to ensure proper spacing of the gauge wheels to the disk-opener blades, while a rugged bearing design provides more load capacity.

Positive-locking seed-tube guard protects the tube and helps maintain more-precise seed drop for more-consistent seed spacing. This enhanced design eliminates the troublesome roll-pin attachment.

A pneumatic downforce system lets you match down-pressure to your conditions. A single-die forging unit goes out in every automatic down-pressure, up to 400 pounds per row.

The Pro-Series™ row unit utilizes the Pro-Shaft drive, which eliminates the chain drives and the residue shields that go with them. The Pro-Shaft drive is durable, lubed-for-life, and maintenance-free. Engaging and disengaging are accomplished with a simple turn of a knob. Not only will you get all the advantages of a smoother drive system, but you’ll also get to lose the oil can.

Pro-Series™ Row Unit

A pneumatic downforce system lets you match down-pressure to your conditions. A single-die forging unit goes out in every automatic down-pressure, up to 400 pounds per row.
Central Commodity System ... central to your planting success

The primary functions of the CCS are handling and delivery. The CCS tank delivers seed to the row unit and delivers seed to the mini hopper. cores precisely in the furrow created by the standard, plateless is available – and is then there, seed enters the meter – vacuum is where it’s deposited in a mini hopper. From air carries seed through a manifold at the metering and placement. The primary functions of the CCS is that refilling consumes valuable hours each of corn and beans.*) The bottom line with 1.9-bushel hoppers across 1,000 acres during an already-tight planting window. is that refilling consumes valuable hours when compared to a 31Row15 planter calculations, you can save a whopping 13 hours when compared to a 31Row15 planter.

Thanks to the smart use of technology, it is. But ultimately, it's a scenario that plays out repeatedly as you plant. And each time you stop, Start. Stop. Refill. Restart. Stop. Refill.

It’s a bulk-fill approach (either 70- or 100-bushel capacity) that helps you get through fields faster at arguably the most critical time of the year. That's why John Deere created the Central Commodity System (CCS) for seed delivery. It's a bulk-fill approach (either 70- or 100-bushel capacity) that's made to keep you planting, not refilling. And because it uses air to carry seed, it's as reliable as it is gentle on seed. Here's how it works: pressurized air carries seed through a manifold at the bottom of the bulk-fill tanks to the row unit, where it’s deposited in a mini hopper. From there, seed enters the meter – vacuum is standard, plateless is available – and is then placed precisely in the furrow created by the Tru-Vee opening and closing system. That's why John Deere created the Central Commodity System (CCS) for seed delivery. It's a bulk-fill approach (either 70- or 100-bushel capacity) that's made to keep you planting, not refilling. And because it uses air to carry seed, it's as reliable as it is gentle on seed. Here's how it works: pressurized air carries seed through a manifold at the bottom of the bulk-fill tanks to the row unit, where it’s deposited in a mini hopper. From there, seed enters the meter – vacuum is standard, plateless is available – and is then placed precisely in the furrow created by the Tru-Vee opening and closing system.

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

The system works like this: At the front, the fan drives the seed through a nozzle in the manifold, which pressurizes the tank. The air then picks up seed and moves out the other end of the nozzle into seed-delivery hoses. These hoses route the seed toward the hopper through the hose stops. Air flowing the opening is restricted, seed flow is then picked up by the meter and planted, and out through a vent. As the seed is brought into the hopper for seed corn planting patterns, such as that illustrated here.

The hopper fills with seed until the delivery hose is covered. Once the hopper is switched, seed flow through the hose stops. Air timing in the row outlet moves into the hopper and out through a vent. Its speed is picked up by the meter and planted. You just adjust the end of the delivery hose to conform. At that point, the air flow and seed delivery resumes, and the seed picks up the chopper in anticipation.

Refuge Plus option adds a third, 25-bushel tank ahead of the CCS seed tanks – it’s up to 125 bushels! (95 bushels on 12-row 1770NT CCS; 100 bushels on 30-foot 1790 CCS; 25 bushels on 15-foot CCS Planter models) Available on select CCS planters.

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

To preserve the benefits of Bt corn technology, implementing an Insect Resistance Management (IRM) plan is essential. Experts agree, and government regulations require Bt corn IRM plans to include planting of a non-Bt refuge in a block or strip of non-Bt corn planted close to or within your Bt corn acres.

Refuge Plus: Refuge Management and Seed Corn Production

Refuge Plus option adds a third, 25-bushel tank ahead of the CCS seed tanks – it’s up to 125 bushels! (By our *Factory-observed data.

Refuge Plus option adds a third, 25-bushel tank ahead of the CCS seed tanks – it’s up to 125 bushels! (95 bushels on 12-row 1770NT CCS; 100 bushels on 30-foot 1790 CCS; 25 bushels on 15-foot CCS Planter models) Available on select CCS planters.

Choice of seed hose routing. Whether you’re planting Bt and non-Bt corn hybrids, or male and female inbred seed for seed corn production, the Refuge Plus option allows you to easily customize your planting patterns.
Cut seed costs by cutting corners with new RowCommand

New RowCommand Row-Control System

New RowCommand Row-Control System

Get more return on your seed investment with Swath Control Pro for Planters

Swath Control Pro for Planters

New SeedStar 2

Seed Monitoring Systems
Providing you with additional productivity and efficiency is what every John Deere planter is made to do. To ramp up your efficiency even further, turn to John Deere GreenStar™ systems. GreenStar products are designed to help you make the most of your equipment investment. To use most GreenStar 2 products, you need only two common components. The StarFire™ receiver and a GreenStar 2 display work in tandem to create a fully integrated system that can be customized for your operation. These same components can be moved easily from a tractor to a sprayer to a combine, so one set is all you need.

The other key ingredient for the system is a GPS signal. John Deere offers four signal options: WAAS, a free differential correction signal; SF1, a free signal providing ±16-inch pass-to-pass accuracy; SF2, the most accurate satellite-based correction signal with ±4-inch accuracy, and RTK, a ground-based reference station that provides ±1-inch, repeatable accuracy. John Deere GreenStar systems have been assisting growers for years. The GreenStar 2 System will continue to do so — but a whole lot better. For starters, it’s simple. The GreenStar 2 Display 2600 comes preloaded with a powerful software package.

Applications include:

- Parallel Tracking
- Field Documentation
- Map-Based Prescriptions
- Harvest Documentation
- On-screen mapping

As you can see, many of these applications are must-haves for anyone putting in a crop. Second, it’s easy to use. The GSD 2600 offers intuitive touch-screen navigation. The display is in color, and special screen materials provide superior viewing in all light conditions.

Third, it’s customizable. You can configure screens to show only the applications and information you want to see. There are even pre-configured templates to get you started.

Finally, the system can grow with you. Enhance the system’s functionality with these Pro Modules and others:
- AutoTrac™ SF1
- AutoTrac™ SF2
- AutoTrac™ RTK
- Swath Control Pro
- iTEC Pro

Of course, the GreenStar 2 system is designed to work seamlessly with your John Deere equipment. It’s the green-on-green benefit you simply can’t get anywhere else. Talk to your dealer today!
Since its introduction, the 1790 Front-Fold Planter has become the split-row planter of choice for thousands of producers across the Corn Belt. This comes as no surprise to the John Deere seeding experts who brought this amazing tool to life.

This unique planter was designed for the particular needs of the corn/soybean grower: bulk fill, narrow transport, ample residue flow, easy serviceability, and more frame flexibility for planting along terraces and on contours. The 1790 has answered the needs of these many challenges. These features, and many others, set an unbelievably high standard for performance and reliability.

From no-till corn, to narrow-row soybeans, and even double-crop soybeans into standing wheat stubble, the 1790 has proven itself in a wide range of planting conditions. Plus, the knowledgeable staff at your John Deere dealership are ready and able to explain the many advancements found on this phenomenal planter, as well as show you how it works.

To find out how the 1790 can fit your operation, read on. Five configurations are available, so there’s sure to be a model that’s right for your planting requirements.

For the widest range of monitor functions, opt for the SeedStar 2 monitoring system, (shown) which works with the entire GS2 family of displays.

For the unbeat range of monitor functions, the SeedStar 2 monitoring system, (shown) which works with the entire GS2 family of displays.

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

From no-till corn, to narrow-row soybeans, and even double-crop soybeans into standing wheat stubble, the 1790 has answered the needs of these many challenges. These features, and many others, set an unbelievably high standard for performance and reliability.

If you like to get your corn off and growing with liquid starter fertilizer, a 420 U.S. gallon mounted tank is available for the 30-foot model (fertilizer frame only). For 40-foot models, liquid fertilizer options include pulling up to a 2,000 U.S. gallon nurse tank or mounting saddle tanks on the tractor.

The single-disk fertilizer opener works well for most no-till, double-crop, and reduced-till fields, plus some fall and conventional seedbeds. A 12-inch rubber wheel gauges depth and minimum planting. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.

Folding down to 12 ft. for transport (24-row 1790 folds to 12 ft., 11 in.), the 1790 takes a lot of worry out of road work, while a full 20 inches of underframe clearance when folded gives plenty of space to make a run over railroad grades and road crowns during transport.

The unique design of the 1790 eliminates negative hitch weight. The weight of the seed is positioned in front of the mainframe, not behind. This geometry transfers weight onto the tractor when the planter is raised. Plus, all tires get the same amount of pressure to the ground, thanks to improved hydraulics.

The single-disk fertilizer opener works well for most no-till, double-crop, and reduced-till fields, plus some fall and conventional seedbeds. A 12-inch rubber wheel gauges depth and minimum planting. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.

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

For the unbeat range of monitor functions, the SeedStar 2 monitoring system, (shown) which works with the entire GS2 family of displays.

The single-disk fertilizer opener works well for most no-till, double-crop, and reduced-till fields, plus some fall and conventional seedbeds. A 12-inch rubber wheel gauges depth and minimum planting. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.

Folding down to 12 ft. for transport (24-row 1790 folds to 12 ft., 11 in.), the 1790 takes a lot of worry out of road work, while a full 20 inches of underframe clearance when folded gives plenty of space to make a run over railroad grades and road crowns during transport.

The unique design of the 1790 eliminates negative hitch weight. The weight of the seed is positioned in front of the mainframe, not behind. This geometry transfers weight onto the tractor when the planter is raised. Plus, all tires get the same amount of pressure to the ground, thanks to improved hydraulics.

The single-disk fertilizer opener works well for most no-till, double-crop, and reduced-till fields, plus some fall and conventional seedbeds. A 12-inch rubber wheel gauges depth and minimum planting. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.

Folding down to 12 ft. for transport (24-row 1790 folds to 12 ft., 11 in.), the 1790 takes a lot of worry out of road work, while a full 20 inches of underframe clearance when folded gives plenty of space to make a run over railroad grades and road crowns during transport.

The unique design of the 1790 eliminates negative hitch weight. The weight of the seed is positioned in front of the mainframe, not behind. This geometry transfers weight onto the tractor when the planter is raised. Plus, all tires get the same amount of pressure to the ground, thanks to improved hydraulics.

The single-disk fertilizer opener works well for most no-till, double-crop, and reduced-till fields, plus some fall and conventional seedbeds. A 12-inch rubber wheel gauges depth and minimum planting. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.

Folding down to 12 ft. for transport (24-row 1790 folds to 12 ft., 11 in.), the 1790 takes a lot of worry out of road work, while a full 20 inches of underframe clearance when folded gives plenty of space to make a run over railroad grades and road crowns during transport.

The unique design of the 1790 eliminates negative hitch weight. The weight of the seed is positioned in front of the mainframe, not behind. This geometry transfers weight onto the tractor when the planter is raised. Plus, all tires get the same amount of pressure to the ground, thanks to improved hydraulics.

The single-disk fertilizer opener works well for most no-till, double-crop, and reduced-till fields, plus some fall and conventional seedbeds. A 12-inch rubber wheel gauges depth and minimum planting. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.

Folding down to 12 ft. for transport (24-row 1790 folds to 12 ft., 11 in.), the 1790 takes a lot of worry out of road work, while a full 20 inches of underframe clearance when folded gives plenty of space to make a run over railroad grades and road crowns during transport.

The unique design of the 1790 eliminates negative hitch weight. The weight of the seed is positioned in front of the mainframe, not behind. This geometry transfers weight onto the tractor when the planter is raised. Plus, all tires get the same amount of pressure to the ground, thanks to improved hydraulics.

The single-disk fertilizer opener works well for most no-till, double-crop, and reduced-till fields, plus some fall and conventional seedbeds. A 12-inch rubber wheel gauges depth and minimum planting. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.

Folding down to 12 ft. for transport (24-row 1790 folds to 12 ft., 11 in.), the 1790 takes a lot of worry out of road work, while a full 20 inches of underframe clearance when folded gives plenty of space to make a run over railroad grades and road crowns during transport.

The unique design of the 1790 eliminates negative hitch weight. The weight of the seed is positioned in front of the mainframe, not behind. This geometry transfers weight onto the tractor when the planter is raised. Plus, all tires get the same amount of pressure to the ground, thanks to improved hydraulics.

The single-disk fertilizer opener works well for most no-till, double-crop, and reduced-till fields, plus some fall and conventional seedbeds. A 12-inch rubber wheel gauges depth and minimum planting. A cast spout keeps soil from flowing into the furrow before fertilizer is delivered.
need a planter that offers twice the planting options? Then check out the 1780 Narrow-Row Planter. You can easily change row widths to accommodate different crops. Simply lock up every other row unit and plant your corn in 30-inch rows. When it's time to plant soybeans, just lower the splitter units to plant at half the row spacing of your corn. And one person is all it takes to raise and lower the splitter units. Using the handy tool stored inside the frame, you can switch row spacings in just minutes.

No matter which crop is in the hoppers, you'll benefit from a highly accurate VacuMeter seed-metering system, reliable tire-contact drive and efficient dry and liquid fertilizer capability. And you plant — and refill — with all the advantages of in-line row units.

To learn more about the versatile 1780 Planter, review the next few pages. Then, see your John Deere dealer for all the details.
The 1770nT Planters – they’re among the most productive and adaptable planters on the market. These planters get you there, get the job done, and then get you to the next field.

On the road, the 1770nT planters transport at a narrow 12 feet. Plus, the hydraulic system provides true “fold and go” without you leaving the cab. Together, these two features make the 1770nT planters just as productive between your fields as it is in them. And with 22 inches of under unit clearance, the 1770nT planters won’t leave you hanging when pulling in and out of your fields.

For even more in-field productivity, all three planters can be spec’d with the time-saving Central Commodity System (CCS) option. Carrying up to 100 bushels (70 bushels on 12Row30), our exclusive CCS configuration means you spend less time filling and more time planting.

To help you fight corn rootworms and other early-season pests safely and effectively, add the Central Insecticide System (CIS) to your new 1770nT. CIS combines the performance of liquid insecticide with the convenience of the CCS.

Get from field to field with some transport peace of mind. Even with the CCS option, the 1770nT planters transport at a compact 12 ft. wide, so crossing bridges poses no problem. In the field, the location of the CCS tanks on the frame has been optimized for excellent weight distribution.

Look at all this underframe clearance! A full 22 inches from the openers to the ground gives you plenty of reach to clear railroad tracks, potholes, and other obstructions that can chew up ground-engaging components.

For even more in-field productivity, all three planters can be spec’d with the time-saving Central Commodity System (CCS) option. Carrying up to 100 bushels (70 bushels on 12Row30), our exclusive CCS configuration means you spend less time filling and more time planting.

Three 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.

**Liquid Fertilizer**
- 450 U.S. gal. on 12 Row
- 600 U.S. gal. on 16 Row and 24 Row

**Liquid Insecticide**
- 225 U.S. gal. on 12 Row
- 300 U.S. gal. on 16 Row and 24 Row

**Granular Insecticide**
- Available only with MaxEmerge XP row units

* Liquid fertilizer tanks available on non-CCS planter family
** Liquid insecticide tanks available on planters without liquid fertilizer tanks
† Granular insecticide hoppers available only with MaxEmerge XP row units

---

**The 1770nT Planter Family:**

**12 Row 16 Row 24 Row**

MaxEmerge XP / Pro-Series XP

CCS 70 bu.

CCS 100 bu.

CIS (Pro-Series only)

**Liquid Fertilizer**
- 450 U.S. gal.
- 600 U.S. gal.

**Liquid Insecticide**
- 225 U.S. gal.
- 300 U.S. gal.

**Granular Insecticide**
- Available only with MaxEmerge XP row units
The best-selling 1770NT: its productivity explains its popularity

The 1770NT is our most popular planter for one simple reason: it's field performance. And one thing that makes this planter so effective in the field is its flex. In fact, the 1770NT has more wing flex than any other John Deere planter. The three-section design allows both wings to flex 21 degrees both up and down for consistent depth control on contours and terrains.

Other performance-enhancing features include a telescoping hitch that enables tighter turns and a hydraulic system that ensures level operation. And that's in addition to the proven benefits of our row units (you decide whether you prefer MaxEmerge XP or the Pro-Series XP row units).

So why not become part of the popular crowd? See your dealer to learn more about the entire lineup of 1770NT planters.

Fertilizer options that let you make the most of your seed investment

Give your seed every opportunity to reach its yield potential. Liquid at-plant fertilizer is an easy way to do just that. We offer several options for your 1770NT to help you get efficient, effective results.

A choice of row units on the 1770NT enables you to build a planter that exactly meets your needs. Choose MaxEmerge XP row units if you use dry chemicals; Pro-Series XP row units to add the convenience and reliability of PullCast technology.

A telescoping hitch allows the 1770NT to be coupled closer to the tractor for added maneuverability. Marker arms provide peace of mind. Marker arms come standard on 12- and 16-row models; fold-over markers are standard on 24-row 1770s.

Fertilizer options that let you make the most of your seed investment

Apply at-plant nutrients where they’re needed with our expanded single-disk liquid-fertilizer injection system. A single, 10-inch-wide coulter cuts through tough seedbeds, especially when paired with a pneumatic down-force system. A sturdy bracket and mounting arm position the blade 2 inches to the side of the row. The liquid fertilizer is injected into the row and directly behind the coulter.

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

A flow divider diverts equal amounts of fertilizer to each opener, eliminating potential "hot spots" within a field. A mesh strainer that’s in line with the piston pump protects the fertilizer system from contamination.

The 1770NT Planter Family

A choice of row units on the 1770NT enables you to build a planter that exactly meets your needs. Choose MaxEmerge XP row units if you use dry chemicals; Pro-Series XP row units to add the convenience and reliability of PullCast technology.

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

A flow divider diverts equal amounts of fertilizer to each opener, eliminating potential "hot spots" within a field. A mesh strainer that’s in line with the piston pump protects the fertilizer system from contamination.

The best-selling 1770NT: its productivity explains its popularity

The 1770NT is our most popular planter for one simple reason: it’s field performance. And one thing that makes this planter so effective in the field is its flex. In fact, the 1770NT has more wing flex than any other John Deere planter. The three-section design allows both wings to flex 21 degrees both up and down for consistent depth control on contours and terrains.

Other performance-enhancing features include a telescoping hitch that enables tighter turns and a hydraulic system that ensures level operation. And that’s in addition to the proven benefits of our row units (you decide whether you prefer MaxEmerge XP or the Pro-Series XP row units).

So why not become part of the popular crowd? See your dealer to learn more about the entire lineup of 1770NT planters.

Fertilizer options that let you make the most of your seed investment

Give your seed every opportunity to reach its yield potential. Liquid at-plant fertilizer is an easy way to do just that. We offer several options for your 1770NT to help you get efficient, effective results.

A choice of row units on the 1770NT enables you to build a planter that exactly meets your needs. Choose MaxEmerge XP row units if you use dry chemicals; Pro-Series XP row units to add the convenience and reliability of PullCast technology.

A telescoping hitch allows the 1770NT to be coupled closer to the tractor for added maneuverability. Marker arms provide peace of mind. Marker arms come standard on 12- and 16-row models; fold-over markers are standard on 24-row 1770s.

Fertilizer options that let you make the most of your seed investment

Apply at-plant nutrients where they’re needed with our expanded single-disk liquid-fertilizer injection system. A single, 10-inch-wide coulter cuts through tough seedbeds, especially when paired with a pneumatic down-force system. A sturdy bracket and mounting arm position the blade 2 inches to the side of the row. The liquid fertilizer is injected into the row and directly behind the coulter.

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

A flow divider diverts equal amounts of fertilizer to each opener, eliminating potential "hot spots" within a field. A mesh strainer that’s in line with the piston pump protects the fertilizer system from contamination.

The best-selling 1770NT: its productivity explains its popularity

The 1770NT is our most popular planter for one simple reason: it’s field performance. And one thing that makes this planter so effective in the field is its flex. In fact, the 1770NT has more wing flex than any other John Deere planter. The three-section design allows both wings to flex 21 degrees both up and down for consistent depth control on contours and terrains.

Other performance-enhancing features include a telescoping hitch that enables tighter turns and a hydraulic system that ensures level operation. And that’s in addition to the proven benefits of our row units (you decide whether you prefer MaxEmerge XP or the Pro-Series XP row units).

So why not become part of the popular crowd? See your dealer to learn more about the entire lineup of 1770NT planters.

Fertilizer options that let you make the most of your seed investment

Give your seed every opportunity to reach its yield potential. Liquid at-plant fertilizer is an easy way to do just that. We offer several options for your 1770NT to help you get efficient, effective results.

A choice of row units on the 1770NT enables you to build a planter that exactly meets your needs. Choose MaxEmerge XP row units if you use dry chemicals; Pro-Series XP row units to add the convenience and reliability of PullCast technology.

A telescoping hitch allows the 1770NT to be coupled closer to the tractor for added maneuverability. Marker arms provide peace of mind. Marker arms come standard on 12- and 16-row models; fold-over markers are standard on 24-row 1770s.

Fertilizer options that let you make the most of your seed investment

Apply at-plant nutrients where they’re needed with our expanded single-disk liquid-fertilizer injection system. A single, 10-inch-wide coulter cuts through tough seedbeds, especially when paired with a pneumatic down-force system. A sturdy bracket and mounting arm position the blade 2 inches to the side of the row. The liquid fertilizer is injected into the row and directly behind the coulter.

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

A flow divider diverts equal amounts of fertilizer to each opener, eliminating potential "hot spots" within a field. A mesh strainer that’s in line with the piston pump protects the fertilizer system from contamination.
To get the best crop, seed must be planted at the right time, at the right depth, with the right spacing and with the right fertilizer program. That’s why we made the 1770 Planters more flexible—to match the way you farm.

Metering systems provide precision spacing in any crop. For unbeatable single-seed precision, the VacuMeter comes standard. Or, choose the finger-pickup meter for your corn and the radial bean meter for planting soybeans.

Granular fertilizer gives seed a boost—apply granular fertilizer from frame-mounted hoppers. The drive system is positively accurate. The 12Row24 features extra-wide turf tires to drive seed metering and fertilizer application. Its 560 pounds of down-force are the industry’s best. For specifications, turn to page 44. Then, visit your John Deere dealer for a closer look.

Here’s a wing-fold that flexes, fertilizes, and fits your finances. Time is your most valuable commodity, especially in the spring. But it also can be your enemy. That’s why John Deere offers an affordable wing-fold planter that makes the most of your narrow planting window: the 1760 Wing-Fold Planter.

Apply liquid fertilizer while you plant. With frame-mounted liquid fertilizer tanks, the 1760 lets you do the work of two passes in one. The rugged 7x7-inch frame easily shoulders the maximum load of 450 U.S. gallons without compromising speed or accuracy.

Flex-wing design delivers accurate depth in undulating fields. Massive hinges allow the wings to flex 20 degrees up and 20 degrees down, so the 1760 accurately plants over hills and through swales.

The combination of a wing-fold design, flexible frame, and on-board liquid fertilizer make the 1760 Planter one productive machine for all your acres.

Getting the 1760 Planter ready for the field is easy with hydraulic fold. Simply unlatch the wings, unfold, and lower; then lock the wings and remove the lockout turnbuckle so the frame can flex.
As much as 300 gallons of fertilizer capacity on the 1760NT means you can work with fewer stops. You can vary application rates from 1.6 to 37.6 gallons per acre, making it easy to adjust from field to field.

Our heaviest no-till fertilizer opener is available on the 1760NT. The frame-mounted single-disk fertilizer opener system slices through residue to place nutrients where they’re needed – up to 2.5 inches off the row and 2- to 4-inches deep. Unit-mounted double-disk openers and injection single-disk openers are available.

Finally – a high-performance planter that easily glides across narrow bridges and down skinny country lanes.

It’s the 1760NT Planter, available in 6- and 8-row models. With its unique fold, this planter shrinks to just 12 feet wide for transport. This compact size fits easily within the width of the tractor’s duals, which means if the tractor can squeeze through a gate, so can the 1760NT.

Once you get into a field, the 1760NT is able to plant into whatever conditions you find there. This planter’s heavy-duty frame is built to handle everything from conventional till to true no-till, which makes the 1760NT as versatile as it is portable.

Of course you’ll get the planting results you expect from a 1760 Planter. The NT sports all the features of earlier models, and can be equipped with all the optional attachments for unbeatable planting performance. See the specs on page 44, and then talk to your dealer for more information.

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

Conventional to conservation: Choose the planter that fits your residue levels. Whatever your farming practice, there’s a 1750 Drawn Planter to meet your planting needs. For planting into tough corn trash and rough seedbeds, the sturdy 7x7-inch mainframe of the 1750 stands up to the test. Opt for this model with the attachments you need to work in residue, as well as hard ground, sticky soil, and rocky fields. Consider adding walking gauge wheels for more consistent depth control, or coulter blades for tillage action in front of the openers.
Ultra-wide, ultra-productive

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 and Bauer Built Manufacturing. These acre-hungry machines will help you get finished faster than you ever thought possible, thanks to their sheer size.

The DB Planters are available in nine configurations, with widths from 44 to 90 feet, for 20-inch, 22-inch and 30-inch row markets. There’s also a new split-row model. But there’s more to these planters than just size; they’ve got 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 7x7 steel framing to tie everything together.

Cover even more acres per day with the bulk seed handling capabilities of the CCS. Carrying up to 100 bushels in two on-board bulk seed tanks (125 bushels in three tanks when equipped with the Refuge Plus option), these acre-eating DB planters can now be driven at any contractual locations on the planter.

The Central Insecticide System is a revolutionary chisel-hilling system that’s designed to give you both effective corn insecticide control and exceptional planter productivity. 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 7x7 steel framing to tie everything together.

Can 44- to 90-foot planters really fold to a manageable transport size? You bet! In fact, the front-fold design of the DB Series Planters keeps transport widths between 15- and 17.6-feet. Lengths vary, but all are less than 55 feet. Ample underframe clearance 22 to 26 inches during transport makes it easy to clear obstacles.

The DB Planters are available in nine configurations, with widths from 44 to 90 feet, for 20-inch, 22-inch and 30-inch row markets. There’s also a new split-row model. But there’s more to these planters than just size; they’ve got 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 7x7 steel framing to tie everything together.

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

The DB CCS planters combine the best of two worlds: the proven size and strength of the Bauer Built toolbar frames, along with the capacity and productivity of the John Deere CCS. Bauer Built seed manifolds help deliver seed using the toolbar in theBauer Built valance.

The DB CCS planters combine the best of two worlds: the proven size and strength of the Bauer Built toolbar frames, along with the capacity and productivity of the John Deere CCS. Bauer Built seed manifolds help deliver seed using the toolbar in the Bauer Built valance.

The Daniel Inlay System is a revolutionary chisel-hilling system that’s designed to give you both effective corn insecticide control and exceptional planter productivity. 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 7x7 steel framing to tie everything together.

An easy-to-use control box lets you fold and unfold the DB Planter from the tractor cab.
New DB60 Split-row Planter

Versatility and amazing productivity. That’s what you’ll get from the new split-row DB60 47Row15 planter. It tackles 30-inch corn and 15-inch soybeans with a 100-percent get-it-done attitude.

Given the narrow spacing the tool is capable of, it was important to develop a design with excellent residue flow. We accomplished this by equipping alternating row units—the splitter rows—with long parallel arms. This off-sets row units by 7 inches in the rear to keep root balls and corn stubble from causing problems.

In addition to a stellar springtime performance, this tool also can pay dividends in the fall. Research conducted in Iowa since 2004 continues to show a yield increase of up to 4 bushels per acre when planting beans in narrow rows (less than 30 inches). To take advantage of the many benefits offered by the new DB60, talk to your John Deere dealer.

Plant corn and beans on 20-inch rows? John Deere has two DB models built to match your needs: the DB60, with 36 rows; and the DB80, with 48 rows. Like all DB models, these machines will knock out your acreage in no time!

If sugar beets and corn are your staple crops, then ask your John Deere dealer about the popular DB44. The 24Row22 configuration plants beets and corn with equal ease, making this single planter all you need. Want to cover more ground on every pass? We offer 58-, 66- and 88-foot models with 22-inch spacing.

Visit with your John Deere dealer to learn about the various configurations, as well as attachments, available for DB planters.
VacuMeter seed metering accuracy for cotton, corn, peanuts, and sorghum. With row spacing to 40 inches, in 4- to 10-row sizes, you’ll find a 1700 John Deere Rigid Integral Planter that’s just right for your operation. Available in several row spacings, you can work wide or narrow—whatever your crop requires. But no matter what you plant, the 1700 will save on seed costs and boost emergence, thanks to uniform VacuMeter seed spacing and the precision placement of the TruVee opening/closing system.

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

The 1700 Rigid Integral Planter has a strong following in conventional-to-reduced-till fields. Its rugged 7x7-inch steel mainframe and numerous features give you season after season of dependable planting performance. Avoid costly skips or overlaps by marking a clear sight line with John Deere row markers. You can choose the blade 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.

Heavy-duty components add up to longer life and reliability. And quick, convenient adjustments make it easy to match your row spacing.

For easy transport, the 12-row Vertical-Fold Planter travels at 20-feet 6-inches wide and 13-feet high when folded.

Lift and go in minutes with this folding integral. For simplicity and economy in a folding integral planter, you won’t find any other that compares to a 1710 Vertical-Fold Planter.

Just fold the wings hydraulically, lock them in place manually, and you’re moving to the next field in a matter of minutes. See page 43 for transport dimensions.

Plant on 30-inch spacing with the 12-row machine. Get 3-section field flexibility to maintain accurate seed depth over rolling ground and terraces. Wings flex 8 degrees up and 6.5 degrees down.

On flat land or beds, lock the wings in the rigid position so all four gauge wheels can drive the seed transmission. When the frame is allowed to flex, two center gauge wheels drive the transmission. See your dealer for details.

Proven performance and pick-up-and-go mobility

Avoid costly skips or overlaps by marking a clear sight line with John Deere row markers. You can choose the blade 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.
The 1720 Stack-Fold Planter – it has always been the planter of choice for those of you who plant on beds or are advocates of strip till. And now, with the addition of the Central Commodity System (CCS), the 1720 gives you the added benefit of greater productivity. Two 50-bushel CCS tanks will keep you in the field twice as long as 3-bushel hoppers. Factor in the time savings of bulk fill, and you can expect a big spike in the number acres covered daily.

But adding CCS to the 1720 didn’t diminish its maneuverability one bit. The integral design makes this planter a winner both in the field and on the road.

The 1720 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.

To learn more about the new 1720 CCS, and to determine whether it fits your needs, see your John Deere dealer.

SeedStar 2 monitoring is standard equipment on the 1720CCS. This advanced system gives you access to all important planter functions on a single color monitor. Plus, SeedStar 2 planting functions are fully integrated with all current GreenStar applications.

No need to empty hoppers. For wide planting but narrow transport, choose the 1720 John Deere Stack-Fold Planter. With 8-, 12-, and 16-row models available, you’ll cover fields in a hurry. But field-to-field transport won’t slow your pace. Simply fold the wings hydraulically over-center for travel. And, because the seed boxes stay upright during transport, you don’t have to empty the hoppers each time you move. Just choose the model and configuration that fits your needs. The 8-row plants 36-, 38-, or 40-inch rows with a rigid or flex frame. Or, choose a 12-row rigid- or flex-frame on 30-inch rows or a 12-row rigid frame on wider spacings – they’re ideal partners for new John Deere 6-row pickers. Finally, the 16-row model plants 30-inch rows. The wing sections can be operated in a rigid, or one of two flex modes, for greater ease of use.
John Deere has a fertilizer system to meet your needs — whether you apply liquid or dry fertilizer, and regardless of your tillage approach. Big fertilizer capacity keeps you planting, not refilling. Dry fertilizer hoppers hold 550 pounds of granular product (per two rows). Liquid fertilizer tanks vary in capacity, depending on your planter model.

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

With larger tractors, such as the one shown here, you can operate a 1730 without lift-assist. For use with smaller tractors, arched, dual lift-assist wheels are available for extra lift capacity and improved stability in the field and on the road.

With a 1730 John Deere Narrow-Row Planter, you have the convenient mobility of an integral planter and twice the planting versatility. Plant 6 or 8 rows of one crop on 30, 36, 38, or 40 inches; then lower the “splitter” row units to plant 11 or 15 rows at half the row spacing. Or with wheel skips, you’ll have a 9- or 13-row planter. To help keep soil and residue flowing through, splitter units are set back 7 inches on extra-long parallel arms. You can also mount most row-hopper attachments to the heavy-duty 7x7-inch main-frame. A front-mounted seed transmission is driven by a gauge wheel to give you 50 rate selections, just like the rear-mounted drive.

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

The single-piston, variable-stroke pump uniformly applies liquid fertilizer. Positive displacement produces delivery rates of 1.9 to 38 U.S. gallons per acre; low-rate hoses are available.

For consistent depth control, opt for the single-airbag pneumatic down-force system. This new design gives additional control for the final opener and is infinitely adjustable to provide 0-400 pounds of down-pressure.

Each fertilizer hopper holds 550 pounds of dry fertilizer to longer running intervals. The lid opens wide for fast filling, and the entire hopper pivots for easy dumping. Available on 1750, 1770, and 1780 Planters. Drives and transmissions are included.

A centrally-located 800 U.S. gallon fertilizer tank is available for the 16-row and 24-row 1770NT Planter. A 420 U.S. gallon frame-mounted fertilizer tank is offered with the 30-foot 1790 Planter. Other tank options are available for additional planter models; see your dealer for more information.

The single-disk opener is an excellent match for conventional- or reduced-till fields. (Not compatible with a frame-mounted coulter.)

With 600 U.S. gallon fertilizer tank available for the 16-row and 24-row 1770NT Planter. A 420 U.S. gallon frame-mounted fertilizer tank is offered with the 30-foot 1790 Planter. Other tank options are available for additional planter models; see your dealer for more information.

Unit-mounted double-disk openers for liquid fertilizer disturb less soil. Fertilizer can be placed even with seed depth or one inch below. The opener can be positioned up to 2¼ inches off the row. Ideal for conventional, reduced-MD, and light-4M fields.

With larger tractors, such as the one shown here, you can operate a 1730 without lift-assist. For use with smaller tractors, arched, dual lift-assist wheels are available for extra lift capacity and improved stability in the field and on the road.

This 3-bushel seed hopper increases capacity, yet maintains a narrow design for narrow-row planting. It is a standard row-spacing option or with 9- or 13-row planter to plant 11 or 15 rows at half the row spacing. This hopper is available in 550, 880, or 1100 bushels.

For the single-airbag pneumatic down-force system. This new design gives additional control for the final opener and is infinitely adjustable to provide 0-400 pounds of down-pressure.

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

This single-disk, variable-stroke pump uniformly applies liquid fertilizer. Positive displacement produces delivery rates of 1.9 to 38 U.S. gallons per acre; low-rate hoses are available.

The single-piston, variable-stroke pump uniformly applies liquid fertilizer. Positive displacement produces delivery rates of 1.9 to 38 U.S. gallons per acre; low-rate hoses are available.

A centrally-located 800 U.S. gallon fertilizer tank is available for the 16-row and 24-row 1770NT Planter. A 420 U.S. gallon frame-mounted fertilizer tank is offered with the 30-foot 1790 Planter. Other tank options are available for additional planter models; see your dealer for more information.

The single-disk opener is an excellent match for conventional- or reduced-till fields. (Not compatible with a frame-mounted coulter.)

This single-disk, variable-stroke pump uniformly applies liquid fertilizer. Positive displacement produces delivery rates of 1.9 to 38 U.S. gallons per acre; low-rate hoses are available. Application rates aren’t ground-speed dependent.

For consistent depth control, opt for the single-airbag pneumatic down-force system. This new design gives additional control for the final opener and is infinitely adjustable to provide 0-400 pounds of down-pressure.

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

The single-piston, variable-stroke pump uniformly applies liquid fertilizer. Positive displacement produces delivery rates of 1.9 to 38 U.S. gallons per acre; low-rate hoses are available.

A centrally-located 800 U.S. gallon fertilizer tank is available for the 16-row and 24-row 1770NT Planter. A 420 U.S. gallon frame-mounted fertilizer tank is offered with the 30-foot 1790 Planter. Other tank options are available for additional planter models; see your dealer for more information.

The single-disk opener is an excellent match for conventional- or reduced-till fields. (Not compatible with a frame-mounted coulter.)

This single-disk, variable-stroke pump uniformly applies liquid fertilizer. Positive displacement produces delivery rates of 1.9 to 38 U.S. gallons per acre; low-rate hoses are available.

For consistent depth control, opt for the single-airbag pneumatic down-force system. This new design gives additional control for the final opener and is infinitely adjustable to provide 0-400 pounds of down-pressure.

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

The single-piston, variable-stroke pump uniformly applies liquid fertilizer. Positive displacement produces delivery rates of 1.9 to 38 U.S. gallons per acre; low-rate hoses are available.

A centrally-located 800 U.S. gallon fertilizer tank is available for the 16-row and 24-row 1770NT Planter. A 420 U.S. gallon frame-mounted fertilizer tank is offered with the 30-foot 1790 Planter. Other tank options are available for additional planter models; see your dealer for more information.

The single-disk opener is an excellent match for conventional- or reduced-till fields. (Not compatible with a frame-mounted coulter.)

This single-disk, variable-stroke pump uniformly applies liquid fertilizer. Positive displacement produces delivery rates of 1.9 to 38 U.S. gallons per acre; low-rate hoses are available. Application rates aren’t ground-speed dependent.

For consistent depth control, opt for the single-airbag pneumatic down-force system. This new design gives additional control for the final opener and is infinitely adjustable to provide 0-400 pounds of down-pressure.

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

The single-piston, variable-stroke pump uniformly applies liquid fertilizer. Positive displacement produces delivery rates of 1.9 to 38 U.S. gallons per acre; low-rate hoses are available.

A centrally-located 800 U.S. gallon fertilizer tank is available for the 16-row and 24-row 1770NT Planter. A 420 U.S. gallon frame-mounted fertilizer tank is offered with the 30-foot 1790 Planter. Other tank options are available for additional planter models; see your dealer for more information.
Stabilized opener arms can be adjusted for plant-to-plant spacing with no tools required. The pneumatic down-force system allows you to control depth and blade angle to match different soil conditions. The disk closing system is designed to improve seed-to-soil contact. The drag closing system is recommended for planting at shallow depths in light, sandy soil. The disk packer wheel pushes seed into moist soil, while the drag brings loose soil across the Southwest. The seed packer wheel pushes seed into moist soil, while the drag brings loose soil across the Southwest.

**Customize your John Deere Planter for your conditions**

- Get the best of both worlds with this coulter-row-cleaner combination. Row cleaners lead the way to clean residue from the path of the planter unit. This keeps seed up near the soil surface, enhances humification of residue, and prevents moisture forces from entering the seed zone. The coulter blade is positioned between row-cleaner elements. Directly in front of the opener, it cuts soil and cuts trash. And it's self-adjusting to handle ground contours.

- Standard rubber closing wheels work well for most conditions. In no-till fields, you can adjust the spacing between the wheels, as well as adjust them to improve residue flow.

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

**Row-unit attachments**

- Delta N Berm: Great for no-till conditions. It fractures the soil more, opening a wider slot when used in tilled soil. 
- Bubble: Gives more aggressive soil disruption at slower speeds. It fractures the soil more, opening a wider slot when used in tilled soil.
- 13-Wave (0.7-inch): Tills more aggressively as bubbles head to side. Works well on sticky gumbo and sticky clay and can be raised completely. 

- To closely match your specific conditions, this system is infinitely adjustable up to 400 pounds per row. And once you set the desired down-force, while double springs offer up to 180 pounds per row.

- 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.

- The pneumatic down-force system allows you to control depth and blade angle to match different soil conditions. The disk closing system is designed to improve seed-to-soil contact. The drag closing system is recommended for planting at shallow depths in light, sandy soil. The disk packer wheel pushes seed into moist soil, while the drag brings loose soil across the Southwest. The seed packer wheel pushes seed into moist soil, while the drag brings loose soil across the Southwest.

- The drag closing system is designed to improve emergence in “baked-and-crusted” soil conditions. The pneumatic down-force system allows you to control depth and blade angle to match different soil conditions. The disk closing system is designed to improve seed-to-soil contact. The drag closing system is recommended for planting at shallow depths in light, sandy soil. The disk packer wheel pushes seed into moist soil, while the drag brings loose soil across the Southwest. The seed packer wheel pushes seed into moist soil, while the drag brings loose soil across the Southwest.

- To closely match your specific conditions, this system is infinitely adjustable up to 400 pounds per row. And once you set the desired down-force, while double springs offer up to 180 pounds per row.

- Standard rubber closing wheels work well for most conditions. In no-till fields, you can adjust the spacing between the wheels, as well as adjust them to improve residue flow.

- The pneumatic down-force system allows you to control depth and blade angle to match different soil conditions. The disk closing system is designed to improve seed-to-soil contact. The drag closing system is recommended for planting at shallow depths in light, sandy soil. The disk packer wheel pushes seed into moist soil, while the drag brings loose soil across the Southwest. The seed packer wheel pushes seed into moist soil, while the drag brings loose soil across the Southwest. The disk packer wheel pushes seed into moist soil, while the drag brings loose soil across the Southwest.
Advancements that protect both you and your crop

Become more efficient during the planting season with the Central Insecticide System. Designed to work with Force® CS, this closed-handling system gives you 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.

Become more efficient during the planting season with the Central Insecticide System. Designed to work with Force® CS, this closed-handling system 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.

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

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 220 U.S. gallon liquid insecticide tank can be factory-installed on both standard and CCS-equipped 1770NT planters. CCS-equipped planters get an appropriately-sized tank. A rear-mounted tank with a holding capacity of 2,000 U.S. gallons is available for low behind fertilizer units.

Apply insecticide and herbicide at the same time, or separately. An adjustable orifice in the chemical meter determines material delivery. Large knobs and big numbers make it easy to set the rate.

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

Available on all John Deere Planters, the Chemical-Saver meter roller reduces leakage when turning and in transport. A rear hitch with a towing capacity of 2,000 U.S. gallons is available for tow-behind fertilizer carts.

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

A 225 U.S. gallon liquid insecticide tank can be factory-installed on both standard and CCS-equipped 1770NT planters. CCS-equipped planters get an appropriately-sized tank. A rear-mounted tank with a holding capacity of 2,000 U.S. gallons is available for low behind fertilizer units.

Apply insecticide and herbicide at the same time, or separately. An adjustable orifice in the chemical meter determines material delivery. Large knobs and big numbers make it easy to set the rate.

The granular chemical hopper holds 70 pounds of insecticide or herbicide, or 35 pounds of each when used with a split hopper divider. Large detented knobs have easy-to-read digits for quick, accurate settings. An easy-to-clean, 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 provides smooth, reliable metering.

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

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. The granular chemical hopper holds 70 pounds of insecticide or herbicide, or 35 pounds of each when used with a split hopper divider. Large detented knobs have easy-to-read digits for quick, accurate settings. An easy-to-clean, 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 provides smooth, reliable metering.

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

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. The granular chemical hopper holds 70 pounds of insecticide or herbicide, or 35 pounds of each when used with a split hopper divider. Large detented knobs have easy-to-read digits for quick, accurate settings. An easy-to-clean, 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 provides smooth, reliable metering.

The options mentioned here are just a sampling. For more options, see your John Deere dealer.
<table>
<thead>
<tr>
<th></th>
<th>1750 DRAWN</th>
<th>1760 WING-FOLD</th>
<th>1760 WING-FOLD CONSERVATION</th>
<th>1770 FRONT-FOLD CONSERVATION</th>
<th>1770NT RIGID/NARROW/TRANSPORT</th>
<th>1770NT CENTRAL COMMODITY SYSTEM</th>
<th>1780 RIGID/NARROW-ROW</th>
<th>1780 RIGID FRONT-FOLD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Configuration:</strong></td>
<td>4 rows (W)</td>
<td>4, 6, 8 rows (N)</td>
<td>12 rows (N)</td>
<td>12 rows (N)</td>
<td>12/16, 24 rows (N)</td>
<td>16/32 (W)</td>
<td>12/11, 16/23 rows (N)</td>
<td>24 rows (N)</td>
</tr>
<tr>
<td><strong>Frame Type:</strong></td>
<td>Rigid</td>
<td>Rigid</td>
<td>Rigid</td>
<td>Flex (optional)</td>
<td>Flex (optional)</td>
<td>Flex</td>
<td>Flex</td>
<td>Flex</td>
</tr>
<tr>
<td><strong>Mainframe Size:</strong></td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
</tr>
<tr>
<td><strong>Flexibility:</strong></td>
<td>None</td>
<td>2-section</td>
<td>3-section</td>
<td>3-section</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>3-section</td>
</tr>
<tr>
<td><strong>20 deg. up, 20 deg. down</strong></td>
<td>20 deg. up, 30 deg. down</td>
<td>21 deg. up, 21 deg. down</td>
<td>21 deg. up, 21 deg. down</td>
<td>21 deg. up, 21 deg. down</td>
<td>15 deg. up, 15 deg. down</td>
<td>15 deg. up, 15 deg. down</td>
<td>15 deg. up, 15 deg. down</td>
<td>15 deg. up, 15 deg. down</td>
</tr>
<tr>
<td><strong>Lift System:</strong></td>
<td>Wheel module</td>
<td>Wheel module</td>
<td>Wheel module</td>
<td>Wheel module</td>
<td>Wheel module</td>
<td>Wheel module</td>
<td>Wheel module</td>
<td>Drop axle</td>
</tr>
<tr>
<td><strong>Hydraulic Control:</strong></td>
<td>Series-replacement, master cylinder</td>
<td>Master/cylinder replacement parts</td>
<td>Master/cylinder replacement parts</td>
<td>Master/cylinder replacement parts</td>
<td>Master/cylinder replacement parts</td>
<td>Master/cylinder replacement parts</td>
<td>Master/cylinder replacement parts</td>
<td>Master/cylinder replacement parts</td>
</tr>
<tr>
<td><strong>Fold:</strong></td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>Manual lock</td>
<td>Hydraulic fold</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Drive Disconnect:</strong></td>
<td>Yes</td>
<td>Automatic</td>
<td>Automatic</td>
<td>Automatic</td>
<td>Automatic</td>
<td>Automatic</td>
<td>Automatic</td>
<td>Automatic</td>
</tr>
<tr>
<td><strong>Number of Drive Wheels:</strong></td>
<td>4 (optional)</td>
<td>2 (optional)</td>
<td>1 for seed; 1 for liquid fertilizer (opt.)</td>
<td>1 for seed; 1 for liquid fertilizer (opt.)</td>
<td>1 for seed; 1 for liquid fertilizer (opt.)</td>
<td>1 for seed; 1 for liquid fertilizer (opt.)</td>
<td>1 for seed; 1 for liquid fertilizer (opt.)</td>
<td>1 for seed; 1 for liquid fertilizer (opt.)</td>
</tr>
<tr>
<td><strong>Turn to the inside back cover for transport dimensions.</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Turn to the inside back cover for transport dimensions.

**Integral Planter Specifications**

<table>
<thead>
<tr>
<th></th>
<th>1750 RIGID</th>
<th>1760 VERTICAL-FOLD</th>
<th>1780 STACK-FOLD</th>
<th>1780 NARROW-ROW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Configuration:</strong></td>
<td>4, 6, 8 rows (N)</td>
<td>12 rows (N)</td>
<td>12 rows (N)</td>
<td>6/11, 16/23 rows (N)</td>
</tr>
<tr>
<td><strong>Frame Type:</strong></td>
<td>Rigid</td>
<td>Vertical-fold</td>
<td>Stack-fold; Rigid; Flex</td>
<td>Rigid</td>
</tr>
<tr>
<td><strong>Mainframe Size:</strong></td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
<td>7x7 in. (177x177 mm)</td>
</tr>
<tr>
<td><strong>Flexibility:</strong></td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Ritch and Lift System:</strong></td>
<td>Cat. 2 with Quick-Coupler; Cat. 3 with Quick-Coupler</td>
<td>Cat. 2 with Quick-Coupler; Cat. 3 with Quick-Coupler</td>
<td>Cat. 2 with Quick-Coupler; Cat. 3 with Quick-Coupler</td>
<td>Cat. 2 with Quick-Coupler; Cat. 3 with Quick-Coupler</td>
</tr>
<tr>
<td><strong>Fold:</strong></td>
<td>Hydraulic vertical-wing-fold</td>
<td>Hydraulic vertical-wing-fold</td>
<td>Hydraulic vertical-wing-fold</td>
<td>Hydraulic vertical-wing-fold</td>
</tr>
<tr>
<td><strong>Transmission:</strong></td>
<td>One rear-mounted</td>
<td>One rear-mounted</td>
<td>One rear-mounted</td>
<td>One rear-mounted</td>
</tr>
<tr>
<td><strong>Drive Wheels:</strong></td>
<td>2</td>
<td>2 (flex-frame)</td>
<td>2 (flex-frame)</td>
<td>2 (rigid-frame)</td>
</tr>
<tr>
<td><strong>Dual Lift-Assist Wheels:</strong></td>
<td>Straight</td>
<td>Straight</td>
<td>Straight</td>
<td>Arched</td>
</tr>
<tr>
<td><strong>(Specifications and design subject to change without notice.)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Drawn Planters**

<table>
<thead>
<tr>
<th>Model</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB44</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB55</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB56 – 36R</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB56 – 47R</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB66</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB75</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB80 – 32R</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB80 – 48R</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB88</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB90</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
</tbody>
</table>

**INTEGRAL PLANTERS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (20 in.)</th>
<th>Capacity (30 in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1750 Rigid Integral</td>
<td>200 bushels</td>
<td>300 bushels</td>
</tr>
<tr>
<td>1750 Stack-Fold</td>
<td>200 bushels</td>
<td>300 bushels</td>
</tr>
<tr>
<td>1750 Pneumatic</td>
<td>400 bushels</td>
<td>600 bushels</td>
</tr>
<tr>
<td>1750 NARROW-ROW</td>
<td>100 bushels</td>
<td>200 bushels</td>
</tr>
</tbody>
</table>

**Transport Dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB44</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB55</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB56 – 36R</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB56 – 47R</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB66</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB75</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB80 – 32R</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB80 – 48R</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB88</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
<tr>
<td>DB90</td>
<td>12 ft. 3 in. (3.7 m)</td>
<td>13 ft. 6 in. (4.1 m)</td>
</tr>
</tbody>
</table>

**Drawn Planters Specifications and Transport Dimensions**

- **Model**: Drawn Planters
- **Width**: 12 ft. 3 in. (3.7 m) to 13 ft. 6 in. (4.1 m)
- **Height**: 12 ft. 3 in. (3.7 m) to 13 ft. 6 in. (4.1 m)

**INTEGRAL PLANTERS**

- **Model**: Integral Planters
- **Capacity**: 200 bushels to 600 bushels

**Transport Dimensions**

- **Model**: Transport Dimensions
- **Width**: 12 ft. 3 in. (3.7 m) to 13 ft. 6 in. (4.1 m)
- **Height**: 12 ft. 3 in. (3.7 m) to 13 ft. 6 in. (4.1 m)
To make a great stand even better, you’ve got to be running at your best. And that means operating at the correct speed, using the correct vacuum pressure, and keeping your planter in top shape. For sound advice on optimizing your planter’s performance to get unbeatable spacing, count on the planting experts at your John Deere dealership and the resources at www.ReadyToPlant.com. Many dealerships host Ready to Plant Clinics where you’ll learn the latest on seed spacing, how to get the biggest return out of a flat-disk planting solution, which cell disk is right for your operation, plus how you can easily improve your planter’s performance in just a few simple steps. See your John Deere dealer for details.

www.ReadyToPlant.com

Important: Always read and follow label instructions before buying or using Force CS. Force 3G and Force CS are Restricted Use Pesticides. Force CS is not registered for use or sale in Canada. Force® and the Syngenta logo are trademarks of a Syngenta Group Company. Central Insecticide System™ is a trademark of Deere & Company. This literature has been compiled for North American circulation. While general information, pictures, and descriptions are provided, some illustrations and text may include finance, insurance, product options and accessories NOT AVAILABLE in all regions. PLEASE CONTACT YOUR LOCAL JOHN DEERE DEALER FOR DETAILS. John Deere reserves the right to change specifications, design and price of products described in this literature without notice. John Deere’s green and yellow color scheme, the leaping deer symbol, and JOHN DEERE are trademarks of Deere & Company.

www.JohnDeere.com/Ag