

# MaxEMerge® Plus planters



***Strength, accuracy and convenience***



JOHN DEERE



# ADVANCING FARMING FOR THREE DECADES

It all began with the MaxEmerge Planter. The original row-unit design introduced the remarkable Tru-Vee opener and closing system with depth-gauging right at the point the seed enters the furrow. MaxEmerge Planters revolutionised planting . . . and soon garnered the respect of the entire agricultural industry, spawning numerous imitations.

Seeking further improvements in seed spacing, John Deere introduced the MaxEmerge 2® line of planters featuring an innovative vacuum-seed-metering system. The VacuMeter system brought a new level of accuracy to seed spacing and population control.

Meet the next generation of MaxEmerge technology . . . the MaxEmergePlus row-unit. Now, more than a dozen advancements are added to the proven Tru-Vee opener and VacuMeter system to give you all-new strength, accuracy, and convenience.

**MaxEmergePlus:** The new equation for planting success.

1 9 7 4  
**MaxEmerge**

1 9 8 5  
**MaxEmerge 2**

1 9 9 6  
**MaxEmergePlus**



# IMPROVE YOUR ACCURACY BY FINE-TUNING YOUR PLANTER



## Computer-Trak 250:

The Computer-Trak 250 Monitor displays tractor/planter speed, hectares, planted, row number, plant population, average seed spacing — a long list of useful information (see chart at right). Computer-Trak 250 is compatible with 4- to 16-row MaxEmergePlus, MaxEmerge 2, and MaxEmerge Planters. Radar is required.

EJ11378 4 row

EJ11379 6 row

EJ11380 8 row

Bundle includes monitor, regular curved seed tubes and wiring harness.

You have your choice of four shapes of seed tubes, each in two types – with sensors (if your planter has a seed monitor) or without. Accuracy is excellent with seed disks that have single rows for capturing seed (maize, sorghum, sugarbeets). Accuracy decreases slightly with multiple-row seed disks (cotton, soybeans, peanuts). Compatible with MaxEmergePlus and MaxEmerge 2 Planters.

## FEATURES

Seed population	x
Seed spacing	x
Row failure	x
Average population	x
Acre counter (field)	x
Total acreage	x
Ground speed	x
Maximum number of rows	24
Display	Liquid crystal
High/low warning	x



*Regular, curved seed tubes are recommended for maize, soybeans, acid-delinted cotton, sorghum, small edible beans, and other seeds up to 10 mm in diameter. One row.*

AA41591 (with sensor).  
A56788 (without sensor).

*Straight seed tubes work for the same crops as regular seed tubes, but deposit seed closer to the bottom of the opener. This is helpful for light, sandy soil that tends to close quickly. Also for very small, light seeds (such as sorghum). MaxEmerge 2 Planters require straight seed tube guard (A38818). One row.*

AA41592 (with sensor).  
A56789 (without sensor).

Order from Parts Department.



*Large, curved seed tubes are used to plant large seeds such as peanuts and edible beans. One row.*

AA41593 (with sensor).  
A56791 (without sensor).  
A57071 (plateless).  
Order from Parts Department.

*Small, straight seed tubes with small-seed-tube runner are specifically for sugarbeets, sorghum, and small cotton seeds. One row.*

A56787 (without sensor).  
With sensor, order from Parts Department.



## ORDERING CODES

### COMPUTER-TRAK

- 4-row ..... EJ11378
- 6-row ..... EJ11379
- 8-row ..... EJ11380

### Tractor mounting brackets:

- 6000/7000/7000 TEN Series  
Utility ..... BA26376
- 30/40/50/55 Series  
Utility ..... BA26056
- 7000/7000 TEN/8000/8000T/  
8000 TEN Series  
Row-Crop ..... BA26287
- 60/70/9000 Series 4WD/9000T  
Series..... BA26061
- 30/40/50/55/60 Series Row-Crop,  
30/40/50 Series 4WD .. BA26057
- 30/40/50/55/60 Series Row-Crop,  
30/40/50 Series 4WD (with half-  
width disconnect) ..... BA26058

### SEED TUBES

- Regular, curved (with sensor) AA41591
- (without sensor) ..... A56788
- Regular, straight (with sensor) AA41592
- (without sensor) ..... A56789
- Large, curved (with sensor) AA41593
- (without sensor) ..... A56791
- Small, straight (with sensor) See dealer
- (without sensor) ..... A56787
- Seed-tube inserts ..... BA27790
- Upper inserts ..... BA25986

# WHEN YOU LOOK AT THE ADVANCEMENTS

## Strength, accuracy, and convenience.

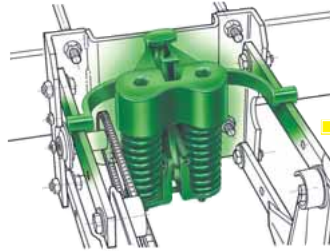
Look closely at all the inner value of the new MaxEmerge *Plus* row unit. With more than a dozen improvements in the areas of durability, seed-placement accuracy, and operating convenience, you'll quickly see how this row unit is *the new equation for planting success*.

The basic principles that made MaxEmerge 2 the most respected row unit in the industry are still at the heart of the new MaxEmerge *Plus* design. The revolutionary Tru-Vee opener with closing system ensures accurate seed depth and excellent seed-to-soil contact. And the proven VacuMeter system delivers single-seed precision in any crop.

With its "no-till tough" design, the new MaxEmerge *Plus* row unit stands up to the heavy residue and hard soils of today's conservation conditions. This durability lends itself to fence-row-straight planting and on-target fertiliser application. And numerous innovations simplify critical adjustments, making your planting time more productive and enjoyable.

### **1** Stronger Mount Maintains Row-Unit Position

Welded mounting bracket helps U-bolts stay torqued to maintain row-unit position on the frame.



### **2** Heavier-Duty Down-Force System Tackles No-Till\*

Adjust down-force to as much as 182 kg for conquering heavy soils and no-till conditions.

### **3** Reinforced Shank Provides Unyielding Strength

Welded spine in shank prevents side deflection on rolling ground and in tough soils. Four times stronger than previous row units, the MaxEmerge *Plus* unit is the industry's toughest.

### **4** Quick Snap-In Seed Tube and Cover

A longer wiring harness, make installation quick and easy.

### **5** Heavier Seed-Tube Guard Lengthens Seed-Tube Life

Heavier guard protects seed tube from wear.

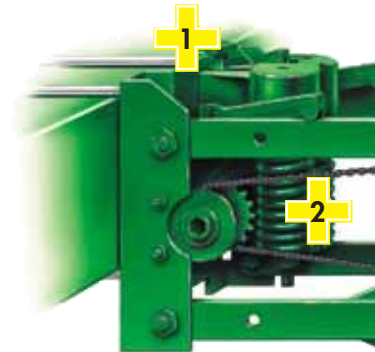
### **6** Centering Tab Boosts Seeding Accuracy

Holds seed tube in place to improve spacing and depth control. Also extends wear life of seed tubes.

### **7** Better-Firming In-Furrow Press Wheel Available\*

Firms seed into the furrow giving positive seed-to-soil contact for quick germination.

\*Optional attachments



### **8** Built-In Lock-Up Feature\*

A John Deere exclusive! Quickly locks up the optional in-furrow press wheel when soil is wet and sticky.





# WE ADDED, YOU'LL SEE THE PLUS IN...



**9 Sprocket Idlers Last Longer**  
Sprocket idlers replace smooth idlers to keep seed and chemical drive chains operating smoothly, and with less idler wear.

**10 Easier Gauge-Wheel Adjustment**  
No washers needed. Screw bushing and attaching bolt are locked together for proper spacing of wheel to disk opener.



**11 Chemical-Saver Metering System Cuts Costs\***  
Reduces wasteful chemical spillage when turning and in transport.

**12 Handier "Y" Chemical Bander\***  
Allows dual chemical application in one convenient in-furrow position. Perfect for cotton and peanut growers.

**13 Easy-to-Grasp T-Handles**  
T-shaped handles save scraped knuckles when adjusting seed depth and closing-wheel down-force.

**14 Cast Closing-Wheel Arm Stays on Track**  
Rugged cast arm takes on tough conditions and allows for more consistent alignment of the furrow.

**15 Staggered Closing Wheels Reduce Plugging**  
For better trash flow in heavy residue, try the standard position for closing wheels. Heavy duty bearings fitted to closing wheels for improved reliability.



Pictures used in this brochure may differ from the locally manufactured products which are subject to change without notice.

# TRU-VEE OPENER

## PLANTING ACCURACY IS PROVEN BY UNIFORM STANDS.

*The precision you need for planting success.*

Do the advancements found on the MaxEmergePlus row-unit affect planting accuracy? You bet they do.

The improved strength translates into even better seed spacing and placement, especially in tough no-till conditions, and on rolling ground, terraces, and contours. And over a long day of planting, you'll really appreciate the improved ease of adaptability and adjustment.

**Simplicity of design makes seed placement a science.** Tru-Vee disc openers create a uniform seed trench in all soil types and residue levels. Gauge wheels measure depth right where seed lands and angled closing wheels gently firm soil around seeds for quicker germination. As a whole, this opener/closing system gives you precise, predictable results. And that's exactly what you need to get each season off to a successful start.



*From start to finish, all major components work together as a simple, yet accurate, opening and closing system. Tru-Vee disc blades lead the way, carving a truer furrow. Gauge wheel location (next to where seed lands) ensures accurate seeding depth. And angled closing wheels finish the task, giving you good seed-to-soil contact.*



*Each Tru-Vee opener slices a narrow, V-shaped furrow, creating a prime environment for seed. The two disc blades easily carve through hard soil and heavy residue. Each seed drops to the bottom of the trench.*

## FARMING IS CONSTANTLY CHANGING. HERE'S HOW YOUR PLANTER ADAPTS.

**Today, your planter must also be a tillage tool and chemical applicator. The question is: how can you best equip it for your crops and conditions?**

No-till isn't the answer for everyone. But, if it works for you, you'll be glad to know the MaxEmergePlus Planters deliver unmatched performance in these tough conditions. And other John Deere planters can be equipped for no-till, too. Obvious areas to focus on are row cleaners, down-force, and closing. John Deere offers good choices for all three areas. Good choices are also available for accurate placement of chemicals.

Some operations deal with the other extreme. Dry, loose soil makes it tough to form a good furrow, and impossible to use certain types of closing systems and fertilizer openers. John Deere offers no fewer choices here.

The key is that the Tru-Vee™ opener is still at work in all conditions. It's the best system for gauging depth at the point where seed enters the ground. With proper seed-to-soil contact, you gain maximum germination and uniform emergence in all conditions.



The location of gauge wheels is key to their effectiveness in accurate seed-depth placement. Unlike other designs, the John Deere gauge wheel measures furrow depth right where seed lands. Planting depth is easily set with the easy-to-grasp T-handle. Choose from 17 settings in 5 mm increments for depths of 16 mm to 100 mm.

Now, gauge-wheel adjustment is easier than ever. The MaxEmergePlus design eliminates all those troublesome washers — replacing them with a simple screw bushing and attaching bolt. Proper clearance between the gauge wheel and opener disc is critical for seed-furrow formation and disc blade cleaning.



One of many advancements you'll find on the MaxEmergePlus row unit is a seed-tube centering guide for improved accuracy. And since there's less rubbing on disc openers, the seed tube lasts much longer. Snap-in seed tubes have a longer wiring harness for quicker installation, too. Find the seed tube that best fits your planting needs on page 2.



As the final step of the planting process, angled closing wheels gently firm soil around the seed, without compacting soil directly above. This process eliminates air pockets, avoids crusting, and creates positive seed-to-soil contact. Seed gets the best shot at quick germination for an even stand.



A rugged cast arm keeps closing wheels consistently aligned over the furrow — even in tough, no-till conditions. And now, centering the closing wheels over the furrow takes just two bolts — no cam adjustment necessary. You can also stagger the closing wheels to allow smoother trash flow. Plus, black nylon material on the gauge and closing wheels makes repair easier, and stretches their life.





# SEED METERING

## HIGHLY ACCURATE SEED SPACING FROM A SIMPLE, LOW-MAINTENANCE SYSTEM.

*Simply more-accurate seed spacing in any crop.*

The John Deere-designed VacuMeter system gently delivers one seed at a time into the furrow, placing each seed with incredible precision. Simplicity of design makes the VacuMeter seed metering system consistently accurate.

**Here's how the VacuMeter system works.**

A hydraulically driven pump creates a consistent vacuum at each row-unit. Seed from the hopper enters the reservoir, and a vacuum gently holds each seed on a rotating disc. Once the seed is positioned above the seed delivery tube, the vacuum is cut off to let each seed drop down the seed tube and into the furrow.

**It's a true low-maintenance system.** The interchangeable seed disc is the only moving part. And you can switch crops or seed size in less than a minute per row, all without tools.

Your bottom line benefits from even seed spacing and improved population control. Let the VacuMeter system make every seed count.



**PTO-driven hydraulic pump:**  
To operate the VacuMeter system using a tractor with open-centre hydraulics, you'll need this PTO-driven hydraulic pump. A 540 rpm PTO works with 4- through 9-row planters. A 1000-rpm PTO works with 4- through 15-row planters (except the 12-row-wide planters).

**Order BH78508 (540 rpm)\***

**Order BH78873 (1000 rpm)\***

**\*BH78871 Oil Cooler must be ordered with the codes above**

**Here are two more ways to customise the VacuMeter system to your crops:** Replace the regular brush with a short brush when planting medium and large edible beans, peanuts, or hill-drop cotton.

You can also set the vacuum-meter baffle in two positions. Use the upper position for large seeds such as maize, soyabeans, cotton, and peanuts; the lower position for sugarbeets, sorghum, oil sunflower, and popcorn. Both adjustments can be made without tools.



**VACUUM GAUGES FOR MAXEMERGEPLUS PLANTERS**

The VacuMeter system is unlike other air systems for all the right reasons. It doesn't blow seeds into the furrow — instead, a vacuum cut-off point lets seeds drop evenly into the trench. And vacuum is confined to the metering unit, so you don't have to hassle with sealed hoppers.

Field tests have proven the seed-spacing accuracy of the VacuMeter system. Compared to a finger-pickup meter, the VacuMeter system delivers up to 17 percent better seed spacing in maize and 28 percent better in soyabeans. For this reason, all MaxEmergePlus Planters come with the VacuMeter seed meter as standard equipment.

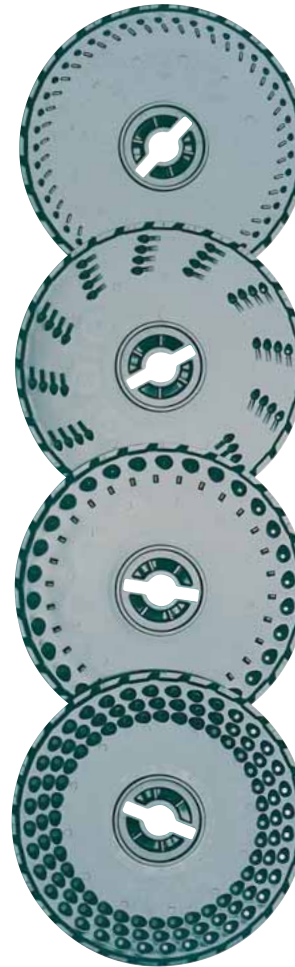
Hydraulics are critical for operation of the VacuMeter system, which runs off a closed-centre hydraulic system. See your dealer for all the details on hookup, gauges, and operation.



## USE THIS CHART TO SELECT THE BEST SEED DISCS FOR YOUR CROPS

CROP:	SEED DISC:	CROP:	SEED DISC:
<b>Maize</b>		<b>Peas</b>	Your dealer can help you match Small Cell, Small Flat, or Medium Flat seed discs to your variety and desired population. <sup>(2)</sup>
Large	Large Corn		
Medium	Standard Corn		
Small	Small Corn		
Popcorn (large)	Sunflower/Popcorn		
Popcorn (small)	Sorghum		
Sweet Corn (large)	Large Sweet Corn <sup>(1)</sup>	<b>Sorghum/Milo</b>	
Sweet Corn (small)	Small Sweet Corn <sup>(1)</sup>	Regular Rate	Sorghum <sup>(5)</sup>
		High Rate	Sorghum, High Rate
<b>Cotton (acid-delinted)</b>		<b>Soybeans</b>	Soybeans
Drilled	Acid-Delinted Cotton		
Hill-Drop	Hill-Drop Cotton <sup>(2)</sup>	<b>Sugarbeets</b>	
		Small Sugarbeet <sup>(6)</sup>	Small Sugarbeet
<b>Edible Beans (small)</b>	Your dealer can help you match Small Cell Bean seed discs to your variety and desired population.	Large Sugarbeet	Large Sugarbeet
<b>Edible Beans (medium)</b>	Your dealer can help you match Medium Cell, Large Cell, or Medium Cell Bean seed discs to your variety and desired population.	<b>Sunflowers</b>	
		Oil #2m #3, #4	Sunflower/Popcorn
		Confection (large)	Large Sweet Corn
		Confection (small)	Small Sweet Corn
<b>Edible Beans (large)</b>	Your dealer can help you match Large Cell or Edible Bean seed disks to your variety and desired population.	<b>Other Crops</b>	
		Vegetable/Melon	Blank seed disc for customised cells.
<b>Peanuts</b>	Large Cell Edible Bean <sup>(2)</sup> or Peanut <sup>(2,4)</sup>		

Choosing the correct seed disc is critical to preventing skips or doubles. You can easily change to another crop or seed size by quickly switching seed discs. Discs are easy to reach and no tools are needed, so conversion takes a little as a minute per row.



### VacuMeter seed discs:

Made exclusively for this John Deere system, these discs select and drop each seed individually for improved population and spacing control (including several crops that finger-pickup meters cannot handle accurately).

## ORDERING CODES

### VACUMETER

- VacuMeter seed meter 4r .. EJ11324
- VacuMeter seed meter 6r .. EJ11325
- VacuMeter seed meter 8r .. EJ11326

### Seed discs (two rows):

- Large maize ..... AA48362
- Medium maize ..... EJ11396
- Standard maize ..... BA24605
- Small maize ..... BA25332
- Sunflower/popcorn ..... BH78502
- Small sweet corn ..... BA25887
- Large sweet corn ..... BA26004
- Sorghum ..... BH78652
- Sorghum, high-rate ..... BA25946
- Soybeans ..... BA24607
- Acid-delinted cotton ..... BA26686
- Hill-drop cotton ..... BA28286
- Small cell edible bean .. BH78728
- Small flat edible bean .... BA25962
- Medium cell edible bean BA25683
- Medium flat edible bean BA25961
- Large cell edible bean .. BA25684
- Large flat edible bean .. BA25960
- Peanut ..... BA25764
- Small sugarbeet ..... BA25893
- Sugarbeet ..... BH78501
- Large sugarbeet ..... BA25772
- Blank ..... BA25917

# LEGENDARY METERING WITH SOMETHING NEW FOR MAIZE/SOYABEAN GROWERS.

Thirty years ago, John Deere revolutionised maize planting with the finger-pickup seed meter. Today, finger-pickup continues to be a very reliable metering system — especially if your primary crop is maize.

If you're a finger-pickup user and plant soyabeans, the radial bean meter, or RBM, will interest you. This mechanical bean meter is simple, just like the finger-pickup meter. Plus, the RBM is more accurate and costs less than the other brand's brush meters.

Here's how it works: Seed pools in the meter chamber until openings occur in the cell canals. Seed is then routed to the outer edge of the bowl into individual cells. Here, seed is held until it rotates to the drop-off area and gently falls through the seed tube into the furrow.

#### Maize/Sunflower finger-pickup mechanism:

Get simple, mechanical metering of maize and confectionery sunflower seeds.

AA31261 - maize

AA31262 - sunflower seeds

Order from Parts Department

## PLATELESS METERING



#### Radial bean meter (RBM):

*The perfect match for maize/soyabean growers who choose finger-pickup metering for maize. See description at left.*

For MaxEmergePlus and MaxEmerge 2 Planters:

BA27747 - 4 rows.

BA27748 - 3 rows.

For MaxEmerge Planters:

AA48999 - 1 row (from parts).

#### Feedcup seed meter:

*For metering of soyabeans, acid-delinted cotton, edible beans, or sorghum. Less feedcup and seed guide. One row.*

BA25880 - plus one of the following:

BA25219 Soyabean Feedcup - 1 row

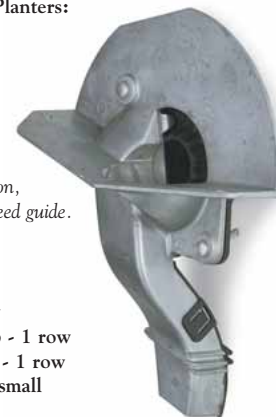
EJ11223 Edible Bean Feedcup - 1 row

EJ11224 High-Rate Sorghum Feedcup - 1 row

EJ11225 Low-Rate Sorghum Feedcup - 1 row

EJ11226 Acid-Delinted Cotton/Extra small

Soyabean Feedcup - 1 row.





# DRY AND LIQUID FERTILIZER

## JUMP START YOUR CROPS WITH ONE-PASS PRODUCTIVITY.

*Enjoy big capacity, efficient filling, and accurate application.* Make fertilizer application a convenient, one-trip process. Whether applying liquid or dry fertilizer while planting into conventional-, mulch-, or no-till fields . . . John Deere offers a complete system tailored to your needs.

**Big fertilizer capacity keeps you planting, not refilling.** Dry fertilizer hoppers hold 250 kg of granular product (per two rows).

Liquid fertilizer tanks vary in capacity, depending on your planter model, for more hectares between refills.

The 8-row 1750's two tanks each hold 550 litres.

Other MaxEmergePlus Planters feature one 250 litre tank for two rows.

**Quik-Fill system reduces refill time.** One convenient location saves liquid-fertilizer fill time.



*The Quik-Fill option gives you easy, one-point filling. A ball check valve with overflow tube on each tank cap minimises overflow when you're filling or planting on hillsides.*

*Each hopper holds about 250 kg of dry fertilizer for longer intervals between filling. The lid opens wide for fast filling with minimum spillage. And the entire hopper pivots for easy dumping and cleaning. Drives and transmissions are included — choose from 25 transmission rates, depending on the auger chosen (low-, regular-, or high-rate).*



*Another option is John Deere's consistent, reliable squeeze pump.*



*Big-capacity liquid fertilizer tanks let you cover more hectares between refill stops. Two 550 litre frame-mounted tanks (above) serve select 1750 8-row and 5- row Planters. The low-profile design offers better visibility. Other planter models have one 250 litre tank (below) dedicated to two rows.*



# JOHN DEERE 1750

## CONSERVATION PLANTERS

### MAINFRAMES TO MATCH YOUR PLANTING PRACTICE.

*Conventional to conservation: A frame to fit the full range of residue levels.* Whatever your farming practice – from no-till to clean-till – a 1750 MaxEmergePlus Drawn Planter will meet your planting needs.

Choose the mainframe that best suits your conditions. For planting into tough maize trash and rough seedbeds, the beefy 180 x 180 mm mainframe of the 1750 Conservation Planter stands up to the test. It also features a dependable wheel-module lift system.

Outfit the 1750 Conservation Planter with the attachments you need to work in a range of residue levels, as well as hard ground, sticky soil, and rocky fields. A wide selection is available from row-tillage and extra down-force to liquid fertilizer and insecticide applications.







All 1750 Drawn Planters have a simple seed transmission. Choose from 50 rates.



Count on this advanced tire-contact drive for consistent liquid fertilizer application. To prevent slippage that can lead to inconsistent metering, it features the industry's widest turf tire with the highest down-force pressure. A separate drive system operates vacuum seed metering.

Liquid fertilizer application makes the planting trip even more productive. Each 250 litre tank feeds two rows with your choice of squeeze pump or piston-pump delivery.



Planting into maize stalks or other heavy residue can really stress a planter's frame. But the massive 180 x 180 mm mainframe of the 1750 Conservation Planter proves its worth in the toughest field conditions on your farm. Plus, the beefy frame can handle just about any attachment from liquid fertilizer to row markers.



# CONSERVATION PLANTER RANGE



12 row Planter 0,9m rows,  
with Vacuum seed metering  
and Liquid fertilizer.



16 row Contact Drive Planter - Configured  
to 6 row 2,3m rows, Vacuum seed metering,  
Liquid fertilizer and Transport frame.





8 row Contact Drive Planter,  
with Vacuum seed metering,  
Liquid fertilizer and Single closing  
wheel system.



6 row 0,9m row Planter,  
with Vacuum seed metering  
and Liquid fertilizer.



3 row 2,3m Planter with  
Vacuum seed metering and  
Dry fertilizer.



4 row 0,9m row Planter  
with Plateless seed metering,  
Dry fertilizer, Herbicide/Insecticide,  
Disc furrow openers and Covering  
Knife attachments.



3 row 1,5m row Planter  
with Plateless seed metering  
and Dry fertilizer.

# PLANTER ATTACHMENTS

## ROW TILLAGE, CLOSING SYSTEMS AND MORE

### CUSTOMISE YOUR MAXEMERGEPLUS PLANTER TO YOUR CONDITIONS.

*Fine-tune your planters performance for any level of residue.*

Match your planting conditions to a tee with a customised MaxEmergePlus Planter. A full range of attachments and accessories allow you to tailor your planter to your specific soil types and residue levels . . . from no-till corn trash to sticky clay soil and everything in between.

To learn more about how to adapt your planter to match your fields, ask your John Deere dealer for the “PLANTER ATTACHMENTS BROCHURE.”



#### **Conservation disk furrower — cutout blade:**

*Sweeps residue and limited soil to the side, helping the opener plant into moist soil. Cutout blade improves ability to slice through residue. You can adjust depth and blade angle to match conditions. Requires chain shields if drive/gauge wheels are rear-mounted. Not compatible with coulters. EJ11057*



*Unit-mounted coulters arms use the weight and gauging ability of the planter unit in reduced-till conditions. Choose fluted or bubble blades. Frame-mounted coulters arms resist row-unit damage in rocky fields. Include parallel arms, special mounting bracket, and adjustable down-force springs. Compatible with bubble coulters. Remember: Never set coulters to run deeper than openers.*

**Bubble:** *Tills more aggressively as bubbles enter the seedbed zone. Opens a 2,5 cm wide slot. Penetrates and cuts through residue well. Tends to work well in wet and sandy soil.*

EJ11319



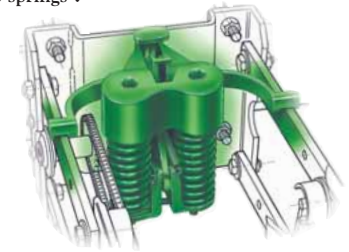
**Walking gauge wheels:**  
*Recommended when planting into heavy-residue or rocky conditions. Wheels raise independently to clear obstacles, helping keep Tru-Vee openers working at a consistent depth. Available for MaxEmergePlus and MaxEmerge 2 Planters. One row.  
EJ11320 - Narrow  
EJ11321 - Wide*

#### **DOWN-FORCE**

#### **Adjustable heavy-duty down-force springs :**

*For heavy residue, tough soil, and higher ground speeds. Four settings: 0, 57, 114, or 182 kg of down-force per row. Adjustments are made without tools. Compatible with MaxEmergePlus and MaxEmerge 2 Planters. One row. For use with regular parallel arms. BA28360.*

*For row-units with long parallel arms (splitter-units on narrow-row planters).*



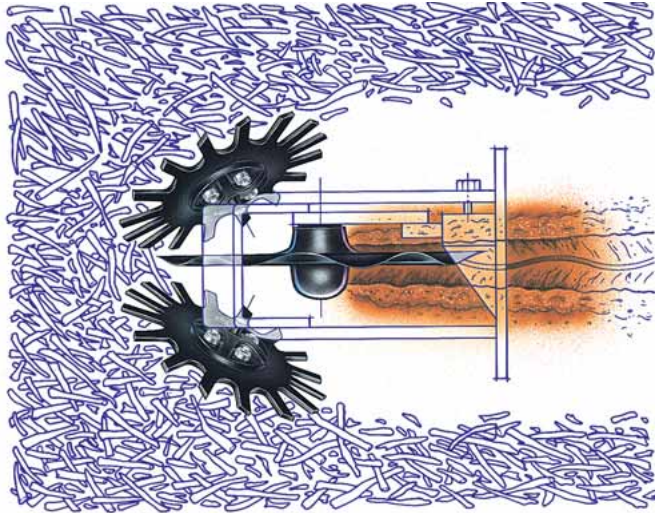
#### **Down-force springs – outside:**

*Non-adjustable, outside set. Applies approximately 41 kg of down-force per row. One row. BA23721.*

# GET TO THE RIGHT DEPTH, GET GOOD SEED-TO-SOIL CONTACT... IN ANY CONDITION



Get the best of both worlds with this coulter/row-cleaner combination. Row cleaners lead the way to clear residue from the path of Tru-Vee openers. This helps soil warm up faster, reduces hairpinning of residue, and prevents residue toxins from entering the root zone. The coulter blade is positioned in between row-cleaner wheels, directly in front of the opener to cut residue and slice soil. And it's unit-mounted to follow ground contours.



BA28224 - Row Cleaner for combination Row Cleaner/Coulter also order:  
EJ11319 - Coulter  
EJ11340 - Bracket  
BA28360 - Heavy-Duty Downforce Spring

Give Tru-Vee openers a smooth path by sweeping residue clear with this unit-mounted row cleaner. The 6 mm wheel works best in most conditions. Only in very tough, rocky conditions is the 10 mm wheel needed. The unit is fully adjustable – raise it completely out of action or set wheels to interlock.  
BA27617 - Row cleaner  
EJ11300 - Bracket



## CLOSING SYSTEMS



**Rubber-tyre closing wheels with cast closing-wheel arm:**  
Work well for most conventional to no-till fields. Adjust the spacing between the wheels, as well as stagger them for improved residue flow. One row.



**Disc closing system:**  
Recommended if you plant at shallow depths into very light and sandy soil. Discs push soil over the seed, while the wide press wheel applies light pressure for good seed-to-soil contact. It's a good alternative where angled closing wheels might push shallow-planted seeds out of the ground. One row.  
EJ11382 - Single Wheel and Bracket  
EJ11381 - Discs (requires EJ11382)



# HERBICIDE AND INSECTICIDE

## ADVANCEMENTS PROTECT BOTH YOU AND YOUR CROP.

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

Make each planting pass 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 32 kg of insecticide or herbicide, or 16 kg of each when used with a special hopper divider. Large detented knobs have easy-to-read digits for quick, accurate settings. An easy-to-reach, push/pull knob lets you disengage the drive when chemical application isn't needed.

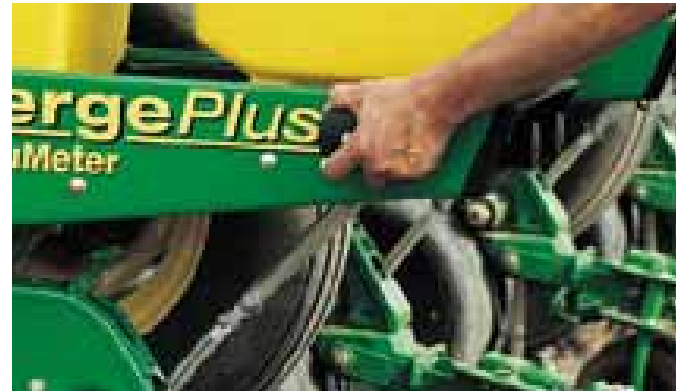
**The drive system automatically engages and disengages for each hopper.** And a single-pitch chain and sprocket idler provides smooth, reliable metering.

The options mentioned here are just a sampling. You can find details on all attachments available in a separate "Planter Attachments" brochure. Ask your John Deere dealer for a copy.

*Drives run smoother with spring-loaded sprocket idlers. Instead of skid-chain tighteners, these sprocket idlers keep seed and chemical drives operating smoothly. And idler wear is reduced for longer life.*



*Cut chemical costs with efficient metering. Available on all MaxEmergePlus Planters, the new Chemical-Saver meter roller (above, right) reduces leakage when turning and in transport. Apply herbicide and insecticide at rates of 227 g or less per 305 m, which covers more than 95 percent of the chemicals currently used. If higher rates are needed, use the black fluted roller (above, left).*



*A unique drive system easily engages and disengages for each hopper. If chemical application isn't desired, just disengage the drive manually with this easy-to-reach, push/pull knob.*



Place two chemicals in-furrow with one convenient hose position. The new “Y” hose adaptor (left) lets you place both insecticide and herbicide in one location.



A new L-shaped bracket (right) mounts to the front of the closing wheel casting for accurate in-furrow placement. Or, attach the front-mounted spreader to band chemicals in a 18 cm-wide pattern.



Place herbicide where it does the best job. You can band herbicide behind the closing wheels with this rear-mounted diffuser. Herbicide is distributed in a 356 mm-wide band. Add a rear-mounted windshield to keep the application pattern on target.



Apply both granulars behind the closing system. This rear-mount insecticide spreader with herbicide diffuser applies insecticide in a 18 cm band and herbicide in a 36 cm band.

Chemical application can be critical to the success or failure of your crop. Apply insecticide and herbicide at the same time, or put down one or the other. An adjustable orifice in the chemical meter determines material delivery.

Large, detented knobs with easy-to-read digits make it easy to quickly set the rate you want.



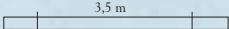
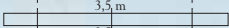
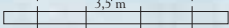
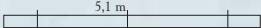
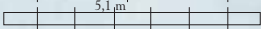
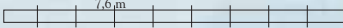
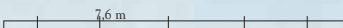
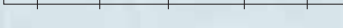
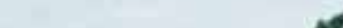


# Specifications

(Specifications and design are subject to change without notice and may vary from country to country. Check with your local dealer.)

## IDENTIFICATION OF MAIN FRAMES

### Main Frames

	Description/Row Spacing
	2 Row 2,3 m
	3 Row 1,5 m
	4 Row 0,76 m/0,80 m/0,86 m/ 0,90 m/0,96 m/1,00 m
<hr/>	
	3 Row 2,3 m
	6 Row 0,80 m/0,86 m/0,90 m
<hr/>	
	8 Row 0,80 m/0,86 m/0,90 m/0,96 m/1,00 m
	5 Row 1,5 m (Special order)
	16 Row 0,9 m
	12 Row 0,9 m

### Wheels:

Tyre size	7,60 x 15 6PR
2-, 3- and 4-Row	2 Wheels
5-, 6- and 8-Row	4 Wheels
12-Row	8 Wheels
16-Row	10 Wheels

### Main Frames:

180 x 180 mm high strength tubular steel. Common to all 1750 planters.

### Markers:

Hydraulic with an automatic sequence valve for raising and lowering alternate marker arms.

### Seed openers:

Tru-Vee or runner.

### Seed metering:

Vacuum, Finger Pickup or Feedcup.

### Capacities:

Dry fertiliser	250 kg
Liquid fertiliser	250 l
Seed	58 l
Herbicide (A)	16 kg
Insecticide (B)	16 kg
Combination (A&B)	32 kg

### Drive:

Carrying Wheel driven.

### Depth Gauging:

Adjacent to Openers.

### Seed depth gauge wheels:

Narrow or Wide spacings.

### Attachments:

Notched disc furrower  
Covering Knives  
Frame-mounted rippled coulters blade  
Herbicide/Insecticide tyne tooth incorporator  
Diffuser/Windshields  
Row coulters  
Unit mounted ripple coulters  
Heavy duty down force springs for planting unit  
Spike Tooth Furrower

