



## 3600 Twin Row Pivot Fold Planters: Standard & Optional Features

Feature/Option	Descriptions	16 Twin Row 30
<b>Planter Frame/Toolbar</b>		
Frame Style	3 section double frame, lift and rotate	S
Toolbar	Two parallel 5" x 7" x 1/4" tubes with 3 section flex	S
Center Post	7" x 7" stainless steel-clad center post with Nylatron plastic wear pads	S
Flexibility	7 degrees flex up and down at each wing	S
Industrial-Grade Hydraulic Cylinders	Superior reliability over ag-grade cylinders used by competition.	S
Row Markers	3-fold with 16" diameter solid concave blade with cast iron 4-bolt hub and metal depth band on blades.	O
Hydraulic Weight Transfer	Keeps wing row units in the ground. Reduces potential pinch row compaction on the center section.	O - conventional S - bulk fill
Wings	# of rows per wing	S (6)
Tongue/Hitch	Telescoping, hydraulically operated, adjustable height cast iron single clevis hitch	Y
2 Pt Hitch Adapter	Converts planter from drawn to semi-mounted	O
Tires-Transport	255 - 70R 22.5 radial load range 'H' tubeless rib implement with center groove	S (4)
Tires-Wing/Lift	7.5" X 20" 8 Ply rib implement tires with center groove (# of tires per wing)	S (2)
Rock Guard Package	Shields transport tires from rocks. Includes 8 half moon tire shields and mounting hardware to attach to transport wheel arms.	O
<b>Row Units</b>		
Pull Row Unit	Double disc "V" openers; cast inner and formed outer scrapers; welded shank; 2 load equalizing depth gauge wheel arms with two wheels and 4" x 16" rubber tires; "V" closing wheel arm with 5 position quick-adjust down force spring handle; drive components and meter clutches for plateless meters.	S
Closing Wheels	Rubber V (two, adjustable width, 1" x 12" rubber tired plastic closing wheels with double-row sealed ball bearings) or Cast Iron (two, adjustable width, 1 x 12" cast iron closing wheels with double-row sealed ball bearings). Dual position mount allows staggered or straight "V" mounting.	O
Split Row Push Units	Push row units to reduce row spacing to 1/2 of the planter's original row spacing. Packages include row units, drive kit with required sprockets, chains and 7/8" hex drill shafts; manual shut-off clutch allows disengagement of split row drive without chain removal; manual row unit lockup. Closing Wheels (Rubber or Cast Iron), Down Pressure (Quick-Adjustable Down Force Springs or Pneumatic Down Pressure) and Automatic Swath Control options available.	S
Even Row Push Row Unit Package	One Push Row Unit, mounting hardware, 7/8" hex drill shaft extension and coupler to add a push row unit to the left hand end of planter.	S
Quick Adjustable Down Force Springs	Includes four quick-adjustable down force springs, two upper parallel arm spring anchor castings and two locking pins. Provides four positions of down pressure adjustment	O
Pneumatic Down Pressure	Includes upper and lower 150 psi-rated air spring mounting castings with mounting hardware; 12 VDC air compressor with three gallon capacity air tank; mounting components and shields; wiring harnesses; 3/8" O.D. nylon hose and fittings; dual solenoid air valve and stainless steel, 160 psi, 2" liquid-filled gauge; planter wiring harness and cab-mounted control console.	O

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Dual Gauge Wheel Package	Includes (2) 4" x 16" tire and wheel assemblies and mounting hardware/spacers	---
Residue Wheel Attachment	(1) 12" diameter 12-tine residue wheel for various residue/tillage conditions. Available for mounting on Row Units, Frame or Coulters (some restrictions apply).	O
Row Unit Mounted Disc Furrowers	12" Diameter notched or solid. Clears clods and trash for a residue-free seedbed.	O
Row Unit Mounted No Till Coulters	Choose from 1" bubbled, 1" fluted, or 3/4" fluted	O
Frame Mounted No Till Coulters	Adjustable coil springs apply up to 500 lbs of down force. Choose from 1" bubbled, 1" fluted, or 3/4" fluted	O
Granular Chemical Attachments	Includes row unit hopper panel extension with mounting hardware, 1.4 cu. Ft. hopper with lid, drive components with spring-loaded idler and clutch, centered single die-cast meter with agitator roller and metering gate. Tubes and slope-compensating spreaders allow front 4 1/2 inch banding or straight drop in-furrow placement. (not compatible with split rows)	O
<b>Seed Handling</b>		
Conventional Seed Hoppers	1.9 bu. Capacity with Mechanical Meters; 1.75 bu. Capacity with Vacuum Meters	O
Bulk Fill Seed Hoppers w/Air Seed Delivery	2 centrally mounted 40 bu. Seed hoppers for 80 bu. total capacity	O
Bulk Fill Seed Hopper Scale Package	Accurately select/balance seed levels for each variety and exact acres	O
<b>Metering</b>		
Vacuum Seed Metering	4000 Series Vacuum Meter. Plant corn, soybeans, milo/grain sorghum, sugar beets, cotton, popcorn, edible beans (black turtle, navy, pinto & great northern), low-rate soybean or sunflowers (seed discs sold separately for appropriate crop selection).	O
Mechanical Finger Pickup	For corn and sunflowers	O
Brush-Type Seed Meters	For soybeans, milo/grain sorghum or cotton (seed discs sold separately for appropriate crop selection)	O
<b>Monitors &amp; Control</b>		
KPMIII Electronic Seed Monitor	Includes LCD monitor with mounting brackets and hardware, power cable w/adaptor, harnesses, tie wraps and seed tube brush. Comes with Magnetic or Radar Distance Sensor.	O
Ag Leader PMM	Includes Planter monitor module (PMM) with cover; planter power harness; mounting hardware and implement cable. Requires Kinze display package or customer-supplied Ag Leader Integra display with associated cab harnesses.	O
ISOBUS PMM	Includes an ISOBUS compatible population monitoring module (PMM), seed sensors, harness to connect the PMM to an ISOBUS display, seed sensor harness, module mount and hardware kit.	O
ISOBUS Product Control	Includes an ISOBUS compatible control module and harnesses	O
INTEGRA Display	12.1" diagonal color, touch-screen display with RAM mount, planter harness, power cable, module switch box and module power control relay	O
GPS AutoSwath or Manual Control	Single row clutches turn planter sections on and off using GPS and coverage maps, or do it manually by overriding the system.	O
Variable Hydraulic Drive	Dual motor, variable rate hydraulic driveline to adjust population rates on-the-go from the tractor manually or via GPS mapping	O
Electric Single Row Clutches	Includes row unit mounted electric clutches, cables, row unit hardware kit and #41 roller chain.	S
<b>Transmission/Drive System</b>		
Spring-Loaded Contact Drive	4.80" x 8" contract drive tires (# of tires per wing)	S (2)
End-Mounted Transmissions	(2) end-mounted, quick adjust with #40 chain	S
Half Rate (2 to 1) Drive Reduction	Includes sprockets and extended chains required to reduce driveline speed (and application rates) to approximately 50% of standard.	O

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<b>Fertilizer Packages</b>		
Liquid Fertilizer Packages	(4) 150 gallon 30" diameter poly tanks (total 600 gallon capacity) with lids	---
Liquid Fertilizer Double Disc Openers	15" diameter offset "V" blades. Effective depth range 1-4"	---
Liquid Fertilizer Notched Single Disc Openers	16 3/4" diameter flat notched blade. Effective depth range 1-4"	---
Liquid Fertilizer Heavy Duty Single Disc Openers	18" diameter single angled blade. Effective depth range 2-5"	---
Liquid Fertilizer Pump Packages	CDS-John Blue Squeeze Pump or Piston Pump	---
Low Rate Liquid Fertilizer Check Valve	Includes check valves and hose clamps for in-line installation at fertilizer openers to help equalize row-to-row liquid fertilizer delivery at low rate settings and reduce dribbling from openers on turns	---
Dry Fertilizer Packages	(1) 550 lb capacity fiberglass hoppers with lids (one per two rows)	---
Dry Fertilizer Double Disc Openers	15" diameter offset "V" blades. Effective depth range 1-4"	---
Dry Fertilizer Notched Single Disc Openers	16 3/4" diameter flat notched blade. Effective depth range 1-4"	---
Dry Fertilizer Heavy Duty Single Disc Openers	18" diameter single angled blade. Effective depth range 2-5"	---
Rear Trailer Hitch	Tow a 3 or 4 wheel wagon behind the planter	---
<b>Miscellaneous</b>		
Tractor-Mounted Hydraulic Pump	Single stage pump; Alleviates hydraulic requirement of the tractor	O - (not available with conventional/mechanical)
Planter-Mounted 2-Section Hydraulic Pump	Dual stage pump; Alleviates hydraulic requirements of the tractor	---
Hydraulic Lift System	Master/slave rephasing cylinders	S - (2 master; 4 slave)
Safety Chain	40,500 lb rated 1/2" chain	S
Parking Jack	7,000 lb. side crank	S
Auxiliary Work Light Package	(2) 50 watt, 3" x 5" halogen flood lamps with brackets and hardware to mount lights at the top of the lift cylinder; wiring harness with connectors to plug into existing planter light harness	O