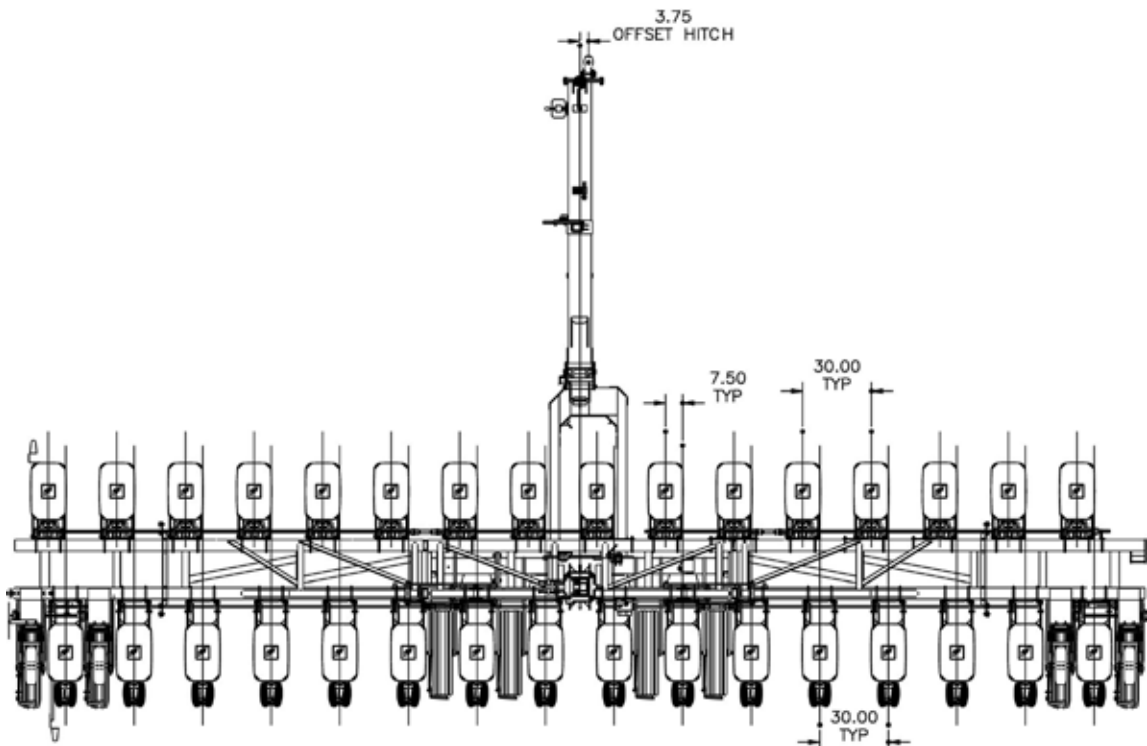


New Products

- 3600TR Twin-Line® Planters
- 3600V Twin-Line® Planters with KINZE Vision™
- All-New 3660 Twin-Line® Planters

3600TR 16 Row 30" Twin-Line® Planter



Vision for the Future

Vision for the Future

I. Model 3600TR Twin-Line® Planters

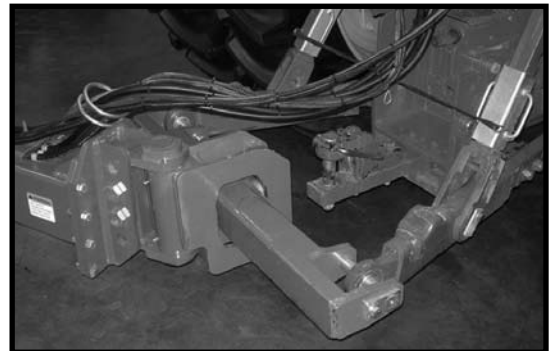
- A. Limited Availability for 2008
- B. 12 R N and 16 R N (30" - 7½" Twin Rows)
- C. Late-January 2008 production scheduled
- D. Pricing and specifications in 7/15/07 Wholegoods Price List

II. Model 3600V Twin-Line® Planters with KINZE Vision™

- A. 12 Row 30" and 16 Row 30" sizes
- B. Mid-December 2007 and early-February 2008 production schedule
- C. KINZE Vision™ system includes intergrated electronic seed monitor, single motor hydraulic drive and single row, air-actuated clutches

III. New Options and Attachments

- A. 2-Point Hitch Adapter Package for 3500/3600/3650
- B. New CDS/John Blue® NGP Series Piston Pumps
 1. NGP-6055 with contact drive wheel
 2. NGP-7055 with 7.60" x 15" ground drive tire



2-Point Hitch Adapter



NGP-6055 Piston Pump

IV. All-New Model 3660 Twin-Line® Planters

A. 12 Row 30" and 16 Row 30" sizes



B. New Twin-Line® Toolbar Design

1. 6 row center section with 13° wing flex (up and down)
 - i. 12 Row 30" - 3 row wings
 - ii. 16 Row 30" - 5 row wings

C. Independent Field Lift and Transport Raise

D. Additional 8" Hitch Clearance

E. Intergrated Vacuum Manifold

F. Optional 3-Fold Row Markers with Breakaway

1. Inboard hydraulic cylinders

G. Prototype Air Seed Delivery System (SDS)

H. Mechanical or EdgeVac® Seed Metering



MODEL 3660 EDGEVAC® TWIN-LINE® PLANTERS (Preliminary Specifications - 7/13/07)

Size	12 Row N	16 Row N
Row Spacing	30"	30"
Type	Pull Type - 3 section flex - rotating main frame for transport - hydraulic operation	
Toolbar	2 parallel 4" x 7" steel tubes with center/overhead 6" x 6" steel tube (vacuum manifold)	
Center Section	6 row center section (3/8")	
Wings	(2) 3 row wings (1/4")	(2) 5 row wings (1/4")
Flexibility	13 degrees flex up and down (each wing)	
Tongue	Telescoping - hydraulic operated with adjustable height cast iron single clevis hitch	
Tires - Transport	(4) 41 x 11R 22.5 radial load range H tubeless rib implement with custom center groove	
Tires - Wing/Lift	7.50" x 20" 8 ply rib implement tires with custom center groove (1 per wing)	7.50" x 20" 8 ply rib implement tires with custom center groove (2 per wing)
Field Lift System	Master/slave rephasing (2 master cylinders - 2 slave cylinders)	Master/slave rephasing (2 master cylinders - 4 slave cylinders)
Drive System	KINZE Vision™ Variable-Rate Hydraulic (5.4 cu. in.) Single Motor Drive	
Row Clutches	(12) Air-actuated	(16) Air-actuated
Drill Shafts	7/8" hex drill shafts with telescoping u-joints	
Row Markers (Optional - Factory-installed)	3-fold, low profile with breakaway and 16" diameter solid concave blades/cast iron hubs with metal depth bands	
Marker/Fold Control	12 VDC solenoids and control console	
SCV Outlets Required	(4) 1 SCV outlet - field lift; 1 SCV outlet - markers / fold / transport raise; 1 SCV outlet - hydraulic drive; 1 SCV outlet - SDS fan motor (12 VDC required)	
PTO Pump - Standard (EdgeVac®)	1000 RPM, 1 1/8"-21 spline, 13.5 GPM@2000 psi	
Parking Jack	5000 lb. side crank (all sizes)	5000 lb. side crank (all sizes)
Safety Chain - Standard	(1) 40,500 lb. rated 1/2" chain	(1) 40,500 lb. rated 1/2" chain
Height - Transport	12' 8"	12' 8"
Width - Transport - Standard	11' 2"	11' 2"
Weight - Base Machine	14,426 lbs.	17,376 lbs.

Base Machine - EdgeVac®: Includes toolbar and formed and welded hydraulic telescoping hitch with adjustable height single hitch clevis; 7" x 7" center post with UHMW plastic wear pads and dedicated transport lift cylinder with counter balance valve; hydraulic cylinders, hoses, fittings and ISO couplers, center groove tires, wheels and hubs, drill shafts with telescoping u-joints, control console with mounting bracket and wiring harness, safety/warning lights with ASAE standard connector and wiring, SMV sign, transport safety chain and parking jack, per specifications. Factory-installed KINZE Pull Row Units with 3.5mm x 15" diameter double disc "V" opener with bolt-on, hardened cast inner and formed steel outer scrapers, formed and welded shank with cast lower disc blade mounting, short hopper support panel with 2-position clutch mounting pattern, mounting support plate, parallel linkage with wear bushings, 2 load-equalizing depth/gauge wheel arms with replaceable bushings/seals and 2 wheels with molded polyethylene covers and 4" x 16" rubber tires, "V" closing wheel arm with 5-position quick adjustable down force spring/handle and 5/8" spindle/mounting bolts. Model 3660 EdgeVac® Twin-Line® Planters include EdgeVac® seed meters (1 per row - less seed discs) with dust/sun shields, meter drive clutches, No. 41 chain and die-cast vacuum seed meter mounts; 20" diameter vacuum fan with mounting components, hydraulic motor, hoses, valves and fittings; 2" diameter meter vacuum hoses with connectors; and analog and electronic digital (12 VDC) vacuum gauges. KINZE Vision™ planter control system includes planter monitor module with harness, computerized "smart" seed sensors and magnetic distance sensor; seed rate control module with required harnesses and speed sensors; air clutch control module with drill shaft mounted, single row air clutches, electric-over-air valves and 50 psi (maximum) mini-regulator; 12 VDC air compressor with 3 gallon capacity air tank, mounting components and shields, and wiring harnesses to power compressor from tractor battery circuit.

Row Marker Packages: Include 2 marker arms with mounts, 2 spindles, cast hubs and 16" diameter solid concave blades, 2 hydraulic cylinders and required hoses and fittings. 3-fold low profile design with breakaway and metal depth bands on blades.

NOTE: Notched 16" diameter marker blades are available from KINZE Repair Parts.

SDS (Air Seed Delivery System) - Factory-installed: Includes two, rotational molded poly bulk seed hoppers (approximate capacity 55 bushels each - total 110 bushels - all sizes). Each hopper is equipped with a removable (rolling hinge) lid. Bulk seed hoppers service each half of the planter and are accessible via an access deck and moveable aluminum ladder. Seed enters system via vane-type rubber paddled air lock/feed meter driven by 12 VDC electric motor (variable speed from 0 - 5 rpm) controlled from cab-mounted 12 VDC console. Individual seed meters/mounts are filled from central-mounted seed hoppers via 1" O.D. anti-static polyethylene tubing to a seed recirculating chamber mounted on each seed meter (demand fills seed cavity to capacity - excess seed is recirculated to next row or back to central hopper). Air delivery system is hydraulic driven with 1 hydraulic motor (6 gpm@2800 psi) that powers a 6" centrifugal fan (1000 CFM-rated).

KINZE Vision™ Display Package: 10.4" (diagonal) color, touch-screen display enclosed in sealed, injection-molded plastic housing with RAM mount (1" mounting balls and 5" double socket extension arm). Color bargraphs display up to 36 rows simultaneously in front/rear or rear only configurations. Alphanumeric data includes seed population (by row), average seed population, seed spacing (by row), average seed spacing, area, area per hour, ground speed and target seed rate population. Single row air clutch on/off status shown on RUN screen. Seed rate control via two pre-programmed settings or automatic utilizing GPS prescription map. Includes live on-screen mapping of applied seed rate, hybrid(s) and covered area. Display package includes planter harness, display power cable, module switch box (manual section control for single row air clutches/master-hydraulic drive) and module power control relay.