

Fertilizer Applicators



Applicators for Liquid, Anhydrous, Dry, or Broadcast

Sidedress Applicators

Model F3400



The Model F3400 Sidedress Applicator is the smaller version of sidedress applicators by Kongskilde. It's range is 5 coulter (15') to 13 coulter (32-1/2') based on 30" centers. The F3400 can also be set up on 20", 22", 27" 36", 38" & 40" row spacing.

The F3400 has a patented scissor lift system. This lift system allows for constant downpressure on the bar as it is pulled

Pump Drive with single or double piston pump through the field.

The F3400 Sidedress Applicator is available with three different tank sizes and four different tire/wheel options. The liquid fertilizer is either injected into the soil by way of an injection or knife system.



32" Ground Clearance

Specifications

Available sizes (working width)	15' rigid, 22 1/2', 27 1/2', 32 1/2'
Mainframe & Wing Tubing	7" x 7" x 3/8" square tubing
Front Hitch	7" x 7" x 3/8" square tubing
Transport Width	16 1/2'
Transport Height	22 1/2' - 9' 6", 27 1/2' - 12' 6", 32 1/2' - 14' 8"
16.5 x 16.1 10 ply Mainframe Tires/Wheels	Optional
18.4 x 26 - 10 ply Mainframe Tires/Wheels	Optional
13.6 x 38 - 12 ply Mainframe Tires/Wheels	Optional
14.9R x 46 8 star radial - 14 ply Tires/Wheels	Available on 1600 Gallon model only
750 Gallon Tank	Optional
1000 Gallon Tank	Optional
1600 Gallon Tank	Optional
Coulter Assembly - 1200# Trip Pressure	20" swivel coulter with 32" crop clearance
Patented Midmount Design	Standard Equipment
Safety Lighting System	Standard Equipment
Combo Hitch Clevis (single/double)	Standard Equipment
Adjustable Axle	Standard Equipment
No Drip Manifold System	Standard Equipment
2" Rear Quick Fill	Standard Equipment
Ground Drive Pump System	John Blue Single or Double Piston Pump
Hydraulic Pump w/Teejet Metering System	Optional - in lieu of ground drive pump system
Knife Kit	Optional
Liquid Injection Kit	Optional
Water Rinse Tank w/toolbox	Standard



Pump Drive with single or double piston pump



2" Quick-Fill

Sidedress Applicators

Model F3450



Kongskilde's Model F3450 Sidedress Applicator has the capabilities of changing from 12 row to 16 row (based on 30" centers) in less than 5 minutes. The F3450 is available in a 1000 gallon or 1600 gallon model. The 1000 gallon is available with two tire sizes - 18.4 x 26 10 ply or 13.6 x 38 12 ply. The 1600 gallon uses a 14.9R x 46 14 ply tire (this tire has a

12,000 lb rating). The F3450 (like the F3400) can be set up on various row spacings. Kongskilde also manufactures the coulters assemblies that are used on all Kongskilde Sidedress Applicators. This unit is the heaviest in the industry with a 1200 lb trip rating and is built using a 2" x 3" tube rather than a 3/4" plate. The coulters assembly is available with an injector or knife for applying fertilizer.

Specifications

	F3450-1000	F3450-1600
Available sizes (working width)	37 1/2' & 42 1/2'	
Mainframe & Wing Tubing	7" x 7" x 3/8" square tubing	
Front Hitch	7" x 7" x 3/8" square tubing	
Transport Width	16 1/2'	16' 6"
Transport Height	12' 6"	12' 6"
14.9R x 46 - 8 Star Radial (14 ply)	-	Standard Equipment
18.4 x 26 - 10 ply Mainframe Wheels	Optional	-
13.6 x 38 - 12 ply Mainframe Wheels	Optional	-
Standard Tank Capacity	1000 gallon	1600 gallon
Coulter Assembly - 1200# Trip Pressure	20" swivel with 32" crop clearance	
12 to 16 Row Quick Change	Standard Equipment	
Patented Midmount Design	Standard Equipment	
Safety Lighting System	Standard Equipment	
Combo Hitch Clevis (single/double)	Standard Equipment	
Adjustable Axle	Standard Equipment	
No Drip Manifold System	Standard Equipment	
2" Rear Quick Fill	Standard Equipment	
3" Rear Quick Fill	Optional	
Ground Drive Pump System	John Blue Single or Double Piston Pump	
Hydraulic Pump w/Teejet Metering System	Optional - in lieu of ground drive pump system	
Knife Kit	Optional	
Liquid Injection Kit	Optional	
Water Rinse Tank w/toolbox	Standard Equipment	



12 Row to



16 Row in minutes



Patented Lift System

Sidedress Applicators

Model F3500



The Model F3500 is for the farmer that is running a 24 row (60' based on 30" rows) planter. The F3500 is a front-fold style bar when in transport position is only 11' 10" wide. This makes the F3500 the narrowest transport width 60' sidedress applicator on the market. The F3500 can also do 16 rows when the outer wings are left folded up. The applicator uses the patented lift system that is used on the F3400 & F3450 sidedress applicators. Wing flex is no problem with the F3500.

Specifications

Available sizes (working width)	60'
Mainframe & Wing Tubing	7" x 7" x 3/8" square tubing
Front Hitch	Extendable
Transport Width	11' 10"
Transport Height	8' 6"
Transport Length	37' 6"
Field Length	31' 0"
Mainframe Wheels	14.9R x 46 - 8 Star Radial (14 ply)
Standard Tank Capacity	1600 gallon
Coulter Assembly - 1200# Trip Pressure	20" swivel coulter with 32" crop clearance
Patented Midmount Design	Standard equipment
Safety Lighting System	Standard equipment
Combo Hitch Clevis(single/double)	Standard equipment
Adjustable Axle	Standard equipment
No Drip Manifold System	Standard equipment
2" Rear Quick Fill	Standard equipment
3" Rear Quick Fill	Optional
Hydraulic Pump w/TeeJet Monitor	Optional
Knife Kit	Optional
Liquid Injection Kit	Optional
Water Rinse Tank w/toolbox	Standard Equipment

The Model F3500 comes standard with a 1600 gallon tank with a 2" quick-fill. An optional 3" quickfill is available. On wings of the F3500 are Caster Style Gauge Wheels which allow the bar to turn smoothly when turning on the end rows. The pump is a hydraulic pump with an optional TeeJet monitor. When using the TeeJet system, two ball valves (one covers 11 coulters and 1 covers 12 coulters) are standard but more can be added to lessen the number of coulters affected if the liquid needs to shut off to prevent overlapping.



11' 10" Transport Width



Optional 3" Quick-Fill



Swivel Caster Gauge Wheel

Sidedress Applicators

Model F3600



The Model F3600 Sidedress Applicator is the largest built by Kongskilde. The applicator has the capabilities of working 60', 80', or 90' (based on 30" rows only). All you need to leave the outer wing folded up, close the valves to the outer wing, re-adjust the monitor for 60' and you are sidedressing 24 rows in a matter of minutes.

The F3600 is a front fold style applicator so height (9' 0") is not an issue when it comes to transport or putting into a building after season. The transport width of the F3600 is only 16' 6".

The F3600 is available with 2400 gallon stainless steel tank. Also available is a hydraulic pump with a TeeJet monitor and a 4-section shut off boom.



2400 Gallon Stainless Steel Tank.

Specifications

Available sizes (working width)	60', 80' or 90'
Mainframe & Wing Tubing	7" x 7" x 3/8 square tubing
Front Hitch	Extendable
Transport Width	16'6"
Transport Height	9'0"
Transport Length	25'0"
Mainframe Tires/Wheels - 14.9R x 46 8 Star Radial (14 ply)	Standard Equipment
2400 Gallon Stainless Steel Tank	Optional
Injection Coulter Assy.	20" swivel coulter with knife or nozzle injection
3-point Hitch	Standard Equipment
Safety Lighting System	Standard Equipment
No Drip Manifold System	Standard Equipment
3" Rear Quick-Fill	Standard Equipment
Hydraulic Pump w/Tee Jet Monitor	Optional
Knife Kit	Optional
Liquid Injection Kit	Optional
Water Rinse Tank w/toolbox	Standard Equipment



80' or 90' to 60' in minutes.



32" Crop Clearance.

Anhydrous Toolbar Model F1100



The Model F1100 is a 3-point hitch applicator. The 3-point will hook up to either a Category 2 or Category 3 hitch. The framework on the F1100 is 7" x 5" for added strength.

The F1100 can be setup on even or odd row spacings for pre-plant or sidedress applications. The F1100 comes standard with 9.5L x 15 pin adjust gauge wheels on the wings.

Specifications

Working Widths	15', 20', 27-1/2', 30', 32-1/2', & 37-1/2'
Mainframe & Wing Tubing	7" x 5" Rectangular Tubing
3-Point Hitch	Category II & III
Transport Width w/o Inline Transport	15' & 20' Rigid Frame (does not fold) 24, 27-1/2', 30', 32-1/2' width is 15-1/2' 37-1/2' width is 21'
Transport Height	24' - 9", 27-1/2' & 30' - 11", 32-1/2' & 37-1/2' - 13" *Must add lift height when transporting on 3-point of tractor
Pin-Adjust Gauge/Transport Wheels	9.5 x 15
Rear Hitch Assembly	Rigid with Telescoping Drawbar
Safety Lighting System	Standard Equipment
Rigid Shank Mounts w/20" Spring Loaded Coulter	Optional
Auto-Reset Shank Mounts w/20" Spring Loaded Coulter	Optional
18" Trash Titan Disk Seal	Optional
Water Rinse Tank w/Toolbox	Optional
Monitor Mounting Bracket (Raven/Hinicker)	Optional



Swinging Hose Boom.



9,5L x 15 Gauge wheel.



Rear Hitch with extendable tongue.

Anhydrous Toolbar Model F1300 and F1500



Kongskilde's Model F1300 Anhydrous Toolbar has working widths of 15' to 37-1/2' and the Model F1500 has working widths from 37-1/2' to 50'. Framework for the F1300 & F1500 is 7" x 5" tubing. There is a 48" spacing between the front and back bar for better trash flow.

The F1300 & F1500 can be setup on even or odd row spacings with either single or tandem wheel configurations. All wheels run in a line and are all hydraulically controlled using rephrase hydraulic cylinders. There are no pin adjust gauge wheels on the F1300 & F1500 toolbars and there is just one tire size – 12.5L x 15.

Specifications

	F1300	F1500
Working Widths	27-1/2', 30', 32-1/2', 35', & 37-1/2'	40', 42-1/2', 47-1/2' & 50'
Mainframe & Wing Tubing	7" x 5" Rectangular Tubing	
Front Hitch	6" x 4" Rectangular Tubing A-Frame Style Hitch	
Transport Width	17' 3"	-
Transport Width (even rows)	-	40' & 45' - 17' 3" 50' - 19' 3"
Transport Width (odd rows)	-	42-1/2' - 17' 8" 47-1/2' - 19' 9"
Transport Height	27-1/2' & 30' - 11' 6" 32-1/2' & 37-1/2' - 13' 6"	
Mainframe Wheels (single or tandem)	12.5L x 15 - 8ply	
Wing Wheels	12.5L x 15 - 8ply (all hydraulically operated - no pin adjust)	
Rear Hitch Assembly	Rigid or Floating with Telescoping Drawbar	
Rephasing Lift System	Standard Equipment	
Safety Lighting System	Standard Equipment	
Combination Hitch Clevis (Single - Double)	Standard Equipment	
Safety Chain	Standard Equipment	
Saddle Clamp Wheel Legs	Standard Equipment	
Rigid Shank Mounts w/20" Spring Loaded Coulter	Optional	
Auto-Reset Shank Mounts w/20" Spring Loaded Coulter	Optional	
18" Trash Titan Disk Sealer	Optional	
Water Rinse Tank w/Toolbox	Optional	
Monitor Mounting Bracket (Raven/Hinicker)	Optional	



Heavy Duty Tandem Assembly



F1300/F1500 Rear Hitch & Swinging Hose Boom



50' - F1500 in transport Position.

Strip-Till Toolbar Model F7200



Kongskilde's Model F7200 is a heavy-duty, front-folding, toolbar. The front-folding allows for a narrower transport width versus the standard vertical fold toolbars. The F7200 is available in working widths of 30' (12-row), 40' (16-row), and 60' (24-row) based on 30" centers.

The F7200 can be used as an anhydrous toolbar, liquid fertilizer applicator, or as a dry fertilizer applicator. It is available with a rear hitch for pulling nurse tanks, liquid carts, or a dry box cart. The F7200 is also available with flat-fold row markers and a variety of row units - Edge-Bent (shear-bolt style), Auto-Reset, or the Parallel Linkage Models: Row Pro 300 Combo, Row Pro 300 Standard, and Row Pro 300 Auto-Reset.

Specifications

	Available Sizes (working widths)	
	30' (12 row) & 40' (16 row)	60' (24 row)
Mainframe & Wing Tubing	7" x 7" x 3/8" wall square tubing	7" x 7" x 3/8" wall square tubing
Front Hitch - Rigid for 30'	7" x 7" x 1/2" wall sq. tube (rigid)	
Front Hitch - Retracting for 40' & 60'	8" x 8" x 3/8" over 7" x 7" x 1/2" Tube	10" x 10" x 3/8" over 8" x 8" x 3/8" Tube
Transport Width	14' 6"	16'
Transport Height	9' with optional markers	9' with optional markers
Mainframe Wheels	12.5L x 15 - 8 ply	16.5 x 16.1 - 10 ply
Wing Wheels	12.5L x 15 - 8 ply	16.5 x 16.1 - 10 ply
Front Folding Design	Standard Equipment	Standard Equipment
Hydraulic Transport Hitch	Standard Equipment	Standard Equipment
Rear Hitch Assembly	Self-leveling w/Telescoping Tongue	Self-leveling w/Telescoping Tongue
Rephasing Lift System	Standard Equipment	Standard Equipment
Safety Lighting System	Standard Equipment	Standard Equipment
Combination Hitch Clevis (Single/Double)	Standard Equipment	Standard Equipment
Row Pro 300 - Parallel Linkage Auto-Reset Row Unit	Optional	Optional
Row Pro 300 - Parallel Linkage/ Triple Coulter Combo Row Unit	Optional	Optional
Row Pro 300 - Parallel linkage Standard Row Unit w/18" Trash Titan Disk Sealer	Optional	Optional
Flat Fold Row Markers	Optional	Optional
Monitor Mounting Bracket	Optional	Optional
Water Rinse Tank with Toolbox	Standard	Standard



60' F7200.



60' F7200.



60' F7200 with Yetter High Speed coulters.

Strip Till Applicators

Model F6200



The Model F6200 is a patented mid-mount, dual placement, strip-till applicator available in widths of 30' (12-row), and 40' (16-row) on 30" row spacing only. By dual placement we mean, the applicator is capable of

applying two products (dry or liquid fertilizer along with anhydrous ammonia) down at the same time. The F6200 comes standard with an extendable rear hitch for pulling an anhydrous nurse tank or a liquid fertilizer tank.

Specifications

	Available Sizes (working widths)	
	30' (12 row)	40' (16 row)
Mainframe & Wing Tubing	7" x 7" x 3/8" wall square tubing	
Front Hitch	Rigid - 7" x 7" x 1/2" wall square tube (rigid)	Extendable - 8" x 8" x 3/8" over 7" x 7" x 1/2" sq. tube
Transport Width	14' 6"	
Transport Height	9'	
Mainframe Wheels	18.4 x 26 - 10 ply	
Wing Wheels - swivel caster	12.5L x 15 - 8 ply	
Front Folding Design	Standard Equipment	Standard Equipment - retracting hitch
Hydraulic Transport Hitch	Standard Equipment	
Rephasing Lift System	Standard Equipment	
Safety Lighting System	Standard Equipment	
Combination Hitch Clevis (Single/Double)	Standard Equipment	
Patented Midmount Design	Standard Equipment	
6 or 9-Ton Poly Tank - Dry Fertilizer Air System with Newmatics Metering System	Optional	
Row Pro 300 - Parallel Linkage - Auto-Reset Row Unit	Optional	
Row Pro 300 - Parallel Linkage/Triple Coulter Combo Row Unit	Optional	
Row Pro 300 - Parallel Linkage Standard Row Unit w/18" Trash Titan Disk Sealer	Optional	
Flat Fold Row Markers w/Sequence Valve	Optional	
Monitor Mounting Bracket	Optional	
Drybox Scale	Optional	



Caster Gauge Wheel.



Drybox Hydraulic Fan.



F6200 Drybox Outlets.

Strip-Till Applicator Model F6200 Liquid



Model F6200 Liquid with 1000 Gallon Tank.

What sets the F6200 apart from the competition is the ability to carry the fertilizer (dry or liquid) right on the bar itself. This feature makes it easy for maneuvering around in the field - backing into a corner (backs like a two wheel cart) and maneuvering in tight spaces. Most competitor toolbars use a pull-between cart for the fertilizer and can be difficult for backing up to attach a nurse tank - you wind up with a long train in the field - i.e. tractor, pull-between, toolbar, and the nurse tank.

The F6200 Dry is available with either a 6-ton or 9-ton poly dry box and uses an auger metering system and hydraulic fan to meter and blow the fertilizer to each row individually. Kongsilde uses the Newmatrics metering system. This system meters the same amount of fertilizer to each of the ports (12 or 16 depending size of applicator) at the bottom of the tank. The fan, which is controlled by a hydraulic motor, then blows the fertilizer directly to each shank. The dry box is mounted directly over the transport axle which allows only the toolbar with the row units to raise - not the load!

The F6200 Liquid Applicator is available with either a 1000 gallon or a 1600 gallon poly or stainless steel tank. Product is metered by a John Blue Single or Double Piston Pump. A hydraulic pump for variable rates is also available with a TeeJet Metering System or the pump can be purchased separately and tied into other types of metering

systems. The 1000 gallon tank is mounted over the F6200's transport axle and the 1600 gallon tank is mounted on a cart that attaches to the F6200 framework right over the transport axle.

The rear wheels of the cart steer with the applicator to stay in the applicator's wheel tracks. The F6200 - 1600 uses 13.6 x 38 12 ply tires/wheels to carry the load. With the 1000 or 1600 gallon tank mounted over the transport wheels the only part of the bar raising or lowering is the toolbar with the row units itself - Not the load! The F6200 comes standard with an extendable rear hitch for pulling an anhydrous nurse tank for applying anhydrous while also applying the liquid fertilizer.

The F6200 is available with flat-fold row markers and a variety of row units - Edge-Bent (shear-bolt style), Auto-Reset, or the Parallel Linkage Models: Row Pro 300 Combo, Row Pro 300 Standard, or Row Pro 300 Auto-Reset.



F6200 in transport position.



F6200 Hydraulic Hitch for Leveling.



Extendable Rear Hitch.

Strip Till Applicators

Model F6200



Model F6200 with 1600 Gallon Poly Tank.



Model F6200 with 1600 Gallon Stainless Steel Tank.

Specifications - Liquid

	Available Sizes (working widths)	
	30' (12 row)	40' (16 row)
Mainframe & Wing Tubing	7" x 7" x 3/8" wall square tubing	
Front Hitch	Rigid - 7" x 7" x 1/2" wall square tube (rigid)	Extendable - 8" x 8" x 3/8" over 7" x 7" x 1/2" sq. tube
Transport Width	14' 6"	
Transport Height	9'	
Mainframe Wheels	18.4 x 26 - 10 ply (1000 Gallon) 13.6 x 38 12 ply (1600 Gallon)	
Wing Wheels - swivel caster	12.5L x 15 - 8 ply	
Front Folding Design	Standard Equipment	Standard Equipment - retracting hitch
Hydraulic Transport Hitch	Standard Equipment	
Rear Hitch Assembly	Rigid with Telescoping Drawbar	
Rephasing Lift System	Standard Equipment	
Safety Lighting System	Standard Equipment	
Combination Hitch Clevis (Single/Double)	Standard Equipment	
Patented Midmount Design	Standard Equipment	
1000 Gallon Mounted Liquid Tank	Optional	
1600 Gallon Mounted Liquid Tank	Optional	
Row Pro 300 - Parallel Linkage - Auto-Reset Row Unit	Optional	
Row Pro 300 - Parallel Linkage/Triple Coulter Combo Row Unit	Optional	
Row Pro 300 - Parallel Linkage Standard Row Unit w/18" Trash Titan Disk Sealer	Optional	
Monitor Mounting Bracket	Optional	
Liquid Pump & Drive System	Optional	



F6200-1600 with Stainless Steel Tank.



F6200-1600 in transport position.



Row Pro Combo with Rolling Basket.

Accessories



Trash Titans

- For use with standard 1" x 2" shank, 2" x 1-1/4" edge-bent shank, or older 1-1/4" coil shank.
- Seals in anhydrous ammonia in the toughest of no-till conditions.
- Forward disk placement directs soil around knives and back into the row for maximum retention.
- High Residue disk sealers specifically designed for No-Till/Strip-Till programs.
- Available with 18" blades - notched or dull smooth. The notched blades are better able to funnel trash in high residue conditions.
- Blades are reversible.
- Heavy duty down pressure spring helps keeps sealer in the ground.

Rigid Shank Mount (shearbolt style) Row Unit

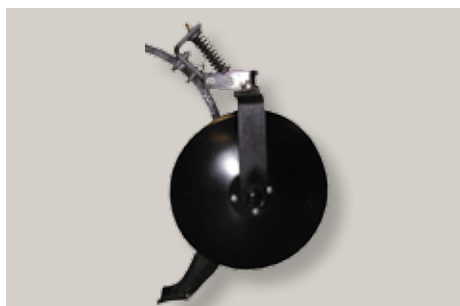
- Uses standard 1" x 2" side-mount shank.
- Heavy duty spring-loaded, non-swivel 20" or 24" coulters assembly.
- The spring-loaded coulters trip pressure is 1200 lbs.
- Mounts on 7" (w) x 5" (h) or 7" x 7" bar with 3/4" u-bolts.

Edge-Bent Shank Mount Row Unit

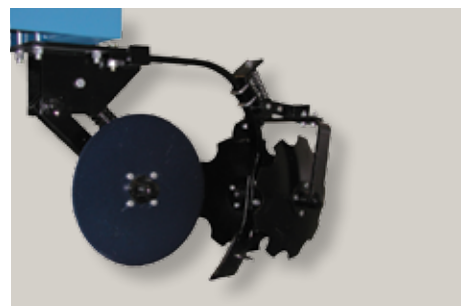
- Uses 2" x 1-1/4" edge-bent, side-mount shank.
- Heavy duty spring-loaded, non-swivel 20" or 24" coulters assembly.
- The spring-loaded coulters trip pressure is 1200 lbs.
- Mounts on 7" (w) x 5" (h) or 7" x 7" bar with 3/4" u-bolts.



Trash Titans - 18" Notched Blade.



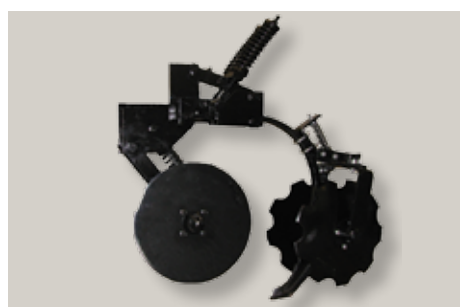
Trash Titans - 18" Smooth Blade.



Rigid Shank Mount (shearbolt style) Row Unit



Edge-Bent Shank Mount Row Unit



Auto-Reset Shank Mount Row Unit



Liquid Coulters

Accessories



Auto-Reset Shank Mount Row Unit

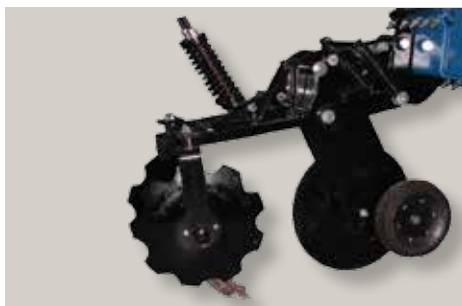
- Uses standard 1" x 2" side-mount shank.
- Heavy duty spring-loaded, non-swivel 20" or 24" coulters assembly. The spring-loaded coulters trip pressure is 1200 lbs.
- Auto-reset assembly has a dual spring design with 2200 lbs. of trip pressure.
- Mounts on 7"(w) x 5"(h) or 7" x 7" bar with 3/4" u-bolts.

Liquid Coulters

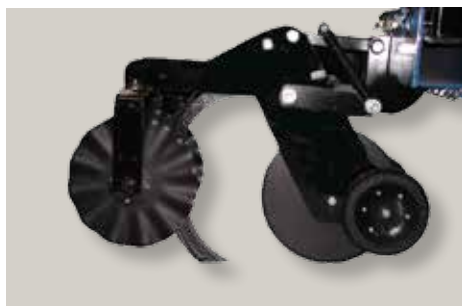
- Heavy duty, spring-loaded, swivel coulters assembly. The spring-loaded coulters trip pressure is 1200 lbs.
- 20" Rippled Coulters Blade.
- Mounts to a 7" x 7" frame with 3/4" u-bolts.
- Uses either a stainless steel liquid nozzle kit or a thin knife kit.

Row Pro 300 Auto-Reset Row Unit

- Parallel linkage row unit. Auto-reset shank assembly with 2200 lbs. of trip pressure.
- 20" non-swivel coulters to track straight on contours and hillsides.
- Saddle clamp style mount for 7" x 7" frames.
- The adjustable depth control wheels allow the row unit to run a constant depth from 4" to 8".
- Free floating 18" disk sealer - available with notched or dull smooth blades.
- Available with or without row cleaners.



Row Pro 300 Auto-Reset Row Unit.



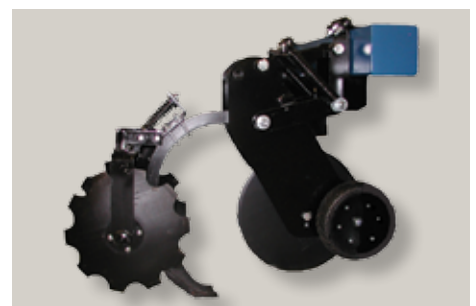
Row Pro 300 Combo.

Row Pro 300 Row Unit - Parallel Linkage/Triple Coulters Combination Unit

- Parallel linkage row unit.
- Can be used in the Fall or Spring as a Strip-Till unit or in the Spring as a Triple Coulters unit to help "fluff" up the soil for faster warm-up. Using a Parallel Linkage Row Unit in the Spring helps guarantee that there will be 4" to 5" between the seed and the fertilizer.
- Shear-bolt style edge-bent side-mount shank.
- 20" non-swivel coulters to track straight on contours and hillsides.
- Saddle clamp style mount for 7" x 7" frames.
- The adjustable depth control wheels around coulters blade helps hold the trash while being cut and allows the row unit to run a constant depth from 4" to 8".
- Adjustable 18" wavy sealer blades.
- Can be used with all types of knives.
- Available with or without row cleaners.
- Available with a Rolling Basket for Spring use only.

Row Pro 300 - Parallel Linkage - Standard Row Unit

- Parallel linkage row unit.
- Shear-bolt style edge-bent side-mount shank.
- 20" non-swivel coulters to track straight on contours and hillsides.
- Saddle clamp style mount for 7" x 7" frames.
- The adjustable depth control wheels around coulters blade helps hold the trash while being cut and allows the row unit to run a constant depth from 4" to 8".
- 18" Trash Titan Disk Sealers- Notched or Dull Smooth Blade.
- Can be used with all types of knives.
- Available with or without row cleaners.



Row Pro 300 - Parallel Linkage - Standard Row Unit.

Wing Jet - Fertilizer



Wing Jet 4024 with 6 ton hopper and 340/85R38 row crop wheels in tramlines.

Kongsilde Wing Jet is a trailed boom spreader for fertilizer, micro granules and seed. It has uniform distribution all along its working width and gives full application rate all the way out to the edge of the field, giving maximum yield in all parts of the field.

Wing Jet has fixed working widths of 39', 59', 66' or 79' feet. Minimum wind effect and fixed working width, both independent of the fertiliser used, are important advantages giving both environmental and economic benefits.

The fertiliser is distributed through sprocket rollers, giving uniform feed to each outlet. A spreader plate attach to each outlet ensures an even distribution pattern across the full working width.

When using GPS and yield-mapping to set the fertiliser rate, the Variator can be controlled by an electromotor. The software of the K-Plus computer is compatible with most of the common GPS / yield mapping systems, giving the farmer maximum flexibility.

The hopper is made of stainless steel, and all parts in contact with the fertiliser are made of non-corrosive materials, resulting in a long service life.



Large accessible hopper means quick filling and high capacity.

Feeding system



Hydraulic folding of the boom means quick transfer from field to transport.

The Wing Jet spreader has a forced feed from the sprocket feed rollers into the injectors. The material is then blown by a powerful fan through plastic pipes to the spreader-plates. This allows the Wing Jet to spread uniformly regardless of the physical properties of the fertiliser, as well as with a minimum wind effect. This precise feeding system in combination with the 20 outlets across the boom width, also makes the Wing Jet suitable for spreading seeds and micro granulates down to 2 kg/ha.



The spreader plates distribute evenly within their working width.

Load carrying

Kongsild Wing Jet is a high capacity spreader capable of covering a large acreage in one filling. The stainless steel hopper contains 4 ton, and with an extension this can be increased to 6 ton. Simple filling from big bags or loader bucket together with large hopper and high transport speed, offer high capacity. With an easily - cleaned chassis, and the use of non-corrosive materials in many areas, maintenance is carried out quickly and easily. This gives the machine a long unproblematic life with a high trade in value.



Forced feeding with studded feed rollers mean high precision.



Irrespective of the type of fertiliser being used, the 20 evenly-spaced outlets ensure a negligible effect on the spread pattern by higher wind speeds.

The boom

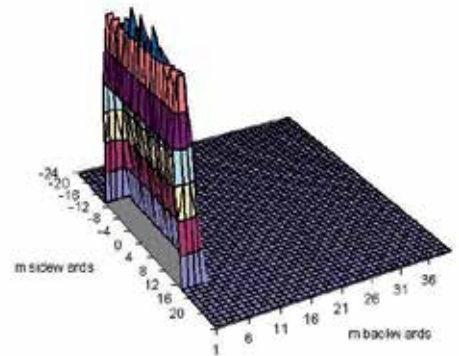
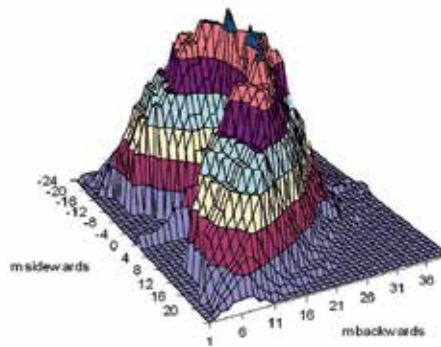


Wing Jet 4024. Consistent 79' working width regardless of fertiliser type. Easy setting with calibration test.

The 79' boom has hydraulically buffered side-wings to reduce the movements of the outer ends when driving in rough conditions. The angle of the side wings can be adjusted hydraulically. When driving in hilly conditions the horizontal-angle of the whole boom can be hydraulically adjusted to better follow the soil surface.

The boom is horizontally suspended by a gas/hydraulic system, and diagonally buffered by double acting brackets with rubber blocks and shock absorbers. The result is a very effective suspension system.

The 66' and 59' boom is suspended from a single point, and mechanically buffered by springs and rubber blocks.



Schematic spreading diagrams for boom spreader and twin disc spreader. The Wing Jet has a distinct working width with limited backward spreading, compared to the double overlapping disc spreader. The Wing jet is therefore less affected by side winds, and with precise start-up and shut-offs.



Place the same demands on the spreader as those on the sprayer – Full application rate for all parts of the field, without spillage along boundaries and water courses.

Electronic control and GPS

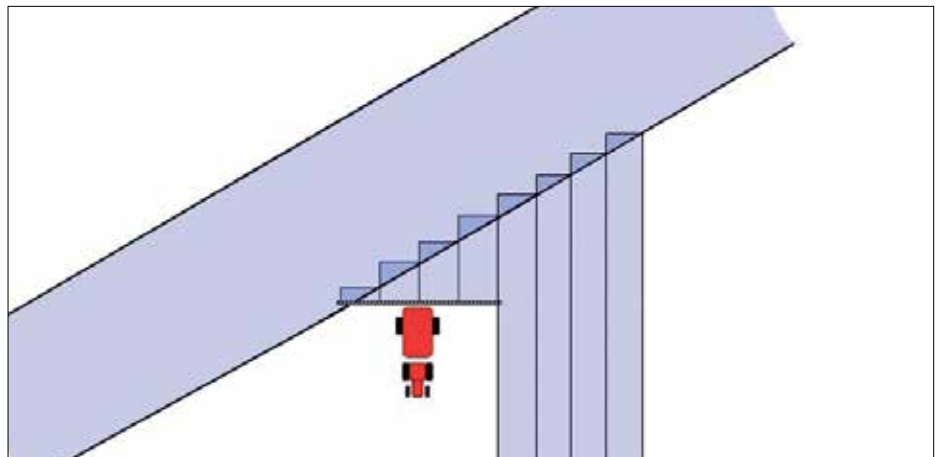


The new electronic control system K-Plus, can easily be connected to the tractor GPS-system, keeping track of where the machine has spread fertilizer. The equipment can be programmed for automatic shut-off and start of the four sections of the boom with a chosen degree of overlap. In that way misses, as well as double fertilizing with laid crops and combine problems, can be minimised.

With this technique the operator has the option to give full application rate all the way to the field border, and also an automatic adaption to inclined headlands, odd field shapes etc. The operator can concentrate on driving without having to think about when it is time to stop and start spreading. This precision spreading saves fertilizer, gives even crop quality, lower harvesting costs and reduced operator fatigue.

Precision farming with remote controlled application rates system

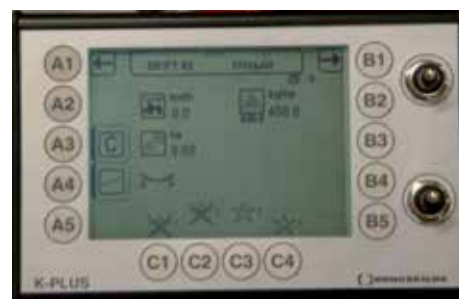
The K-Plus Tronic enables both control and adjustment of the application rate from the drivers seat while on the move. From the K-Plus monitor the application rate can be increased or decreased in steps of 10 %. The system measures the speed of the feed shafts and adjusts the Variator according to the application rate selected.



Automatic part width shut-off in four steps. Wing Jet K-Plus connected to GPS.

The monitor provides information on the actual application-rate, as well as the setpoint. This keeps the operator fully informed about the system functions.

The Wing Jet K-Plus Tronic is also compatible with the Yara N-Sensor, which reads variations in crop colour and that way determines the need for extra fertiliser for each part of the field. The N-Sensor communicates with the K-Plus Tronic, which then adjusts the application rate.



The K-Plus monitor provides information about the functions of the machine.



The K-Plus is easily connected to an external GPS or N-Sensor with RS 232 cable.

Wing Jet program



Wing Jet 4024 with 600-26,5 wheels. The boom is suspended both mechanically and gas/hydraulically.

Three basic models of Wing Jet are manufactured, 4012 with 39' working width, 4020 with 59' or 66' working width and 4024 with 79' working width. All models have a 4 ton stainless steel hopper, which can be increased to 6 ton by fitting an optional 10" deep stainless steel extension.

All models have a hydraulic folding boom. The 39' boom has a fixed mounting to the chassis with outlets at 24" spacing. Normally the spreader plates are mounted for downward spreading on 39' models. However when fertilizing in high crops, the spreader plates are easily turned by hand for upward spreading.

The 18/20-metre model has a gimbal boom, with a single chassis mounting point, buffered by springs and rubber blocks. The suspended boom will therefore stay level even if the machine passes over uneven ground. The spreader plates are fixed at 4" spacing, and always mounted for upward spreading.



Wing Jet 4020 has a gimbal boom, effectively buffered by springs and rubber blocks. The 20-metre boom can easily be changed into 18 metre working width, by dismantling the outer ends of the boom and blocking two outlets.

The 79' boom has a centre section with advanced suspension and regulation. With two hydraulic cylinders the angle of the wing sections, as well as the horizontal angle of the whole boom can be hydraulically adjusted to better follow the soil surface.

The suspension system combines a gas/hydraulic horizontal buffer with double acting diagonal brackets with rubber blocks and shock absorbers. The spreader plates are fixed at 15" spacing, also mounted for upward spreading.



The outer sections of the boom are equipped with a spring-loaded safety break back protection, in order to avoid damage to the boom.



Wing Jet 4012 with 39' working width. 800-26,5 LGP-tires and hopper extension. Loading capacity 6 tons.

Technical data

Standard equipment	Optional equipment
<ul style="list-style-type: none"> Hydraulic on / off feed mechanism Hydraulic folding boom Stainless steel hopper Tarpaulin PTO 540 rpm Calibration tray Reduction gear Rear lights Electric control system K-Plus with: <ul style="list-style-type: none"> 1/4 width shutoff Hectare counter Hopper level indicator Feedshaft rotation control Fan rotation control Centrally located lubrication points Wheel size: 600x26.5 	<ul style="list-style-type: none"> PTO 700 rpm PTO 1000 rpm K-Plus Tronic remote controlled rate Communication cable RS 232 Stainless-steel hopper extension, 2000 l Weigh bag and scales Wheel scraper set Mud guards Hydraulic brakes Pneumatic brakes ¹⁾ Reduction inserts Cleaning tool for feed rollers Wheel sizes: <ul style="list-style-type: none"> 340/85 R38 420/85 R34 ²⁾ 800 x 26.5 800 x 30.5

¹⁾ only available with 600x26,5, 420/85 R34 and 800 x 30.5 tyres

²⁾ with pneumatic brakes only.

Type		S 4012	S 4018	S 4020	S 4024
Hopper capacity litres	tons	4 (6 ³)	4 (6 ³)	4 (6 ³)	4 (6 ³)
Working width	ft	39'	59'	66'	79'
No of outlets		20	18	20	20
Filling height (std 26,5 wheels)	ft	7.5' (8' ³)	7.5' (8' ³)	7.5' (8' ³)	7.5' (8' ³)
Filling height (pn. brakes 420/85-34 wheels)	ft	8' (9.5' ³)	8' (9.5' ³)	8' (9.5' ³)	8' (9.5' ³)
Hopper filling area	ft x ft	6.9' x 8.5'	6.9' x 8.5'	6.9' x 8.5'	6.9' x 8.5'
Weight empty	lbs	3645	5401	5445	6878
Weight transf. to drawbar	lbs	2227 (3037 ³)	2227 (3037 ³)	2227 (3037 ³)	1984 (2866 ³)
Max load	lbs	6 ton	6 ton	6 ton	6 ton
Length	ft	19	19	19	20
Transport height (std 26,5 wheels)	ft	10,5	12,5	12,5	12
Transport height (pn. brakes 420/85-34 wheels)	ft	11,5	13,5 ⁴⁾	13,5 ⁴⁾	13
Min. horsepower requirement	hp	80	90	90	100

³⁾ with hopper extension

⁴⁾ transport height with 600-26,5 = 13,2'

