# PERKINS SALES INC.



877-293-5794

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PLANTERS • SPRAY • TILLAGE • PICKERS • GRAIN

# Ag Leader®



Ag Leader SMS is a precision farming software that helps farmers make data-driven decisions for their field activities SMS has two versions: SMS Basic and SMS Advanced, each with different features and capabilities.

SMS Basic allows farmers to process data from most precision ag displays, generate crop plans, create and manage guidance lines, print summary maps, charts and reports, write simple prescriptions, and more.

SMS Advanced offers more in-depth analysis tools, such as creating report and print layouts, discovering yield influencers, revealing management zones, creating formula-based prescriptions, interpreting NIR imagery, better visualizing field topography, managing operational activities. SMS Advanced also has additional modules that can be purchased separately, such as Booklet Printing, Water Management, Plot Prescription, and Field Trial and more Ag

Leader SMS also has a mobile version, SMS Mobile, that allows farmers to collect information from the field using any portable device, such as mapping field boundaries, soil sampling, crop scouting, coverage, and general logging



#### SUREDRIVE

- Individual Row Section Control: Save seed and plants by shutting off rows individually preventing seed wastage and plant damage.
- Variable Rate or Prescription Based: This feature enables the planter to adjust the population according to the field conditions and the desired outcome.
- Turn Compensation: Keep population consistent around curves and slopes by adjusting meter speed.
- Design: The SureDrive unit is maintenance free and sealed for quality and durability.
- Fits Most Meters: Compatible and flexible with almost any planter meter.
- Powerful: This feature highlights the strength and performance of the SureDrive unit, which has four sturdy gears, precision bearings, a
  - drive chain and a synthetic fluid bath.
- Tech Specs: 2-90 RPM, 12-volt, 6.2 amps, 4.5 Nm torque

### Ag Leader®

#### **STEADYSTEER**

- Complete system for steering, planting, application, harvest and more
- Controlled by Ag Leader's InCommand displays
- WAAS to RTK ready for pass-to-pass accuracy
- Fit to most vehicles with 13 motor orientation options and detachable motor
- Fast line acquisition in tough terrains
- All-in-one user experience with InCommand displays
- Easy installation on steering column of various machines
- Portability and simple transfer between vehicles
   Tech Specs
- High-torque motor and durable gear teeth design
- User-friendly calibration and tuning from InCommand display
- GPS compatibility with Ag Leader receiver and correction source options
- Fits hundreds of agricultural vehicles





#### SUREFORCE

- Replaces manual springs or airbags that have a delay in response
- Instant automatic response to overcome tough field conditions by adjusting for soil types, conditions, tillage practices, compaction, light soils, weight on planter and more
- Easy to operate with three system settings (low, medium, high) and no margins or guessing
- Fits most planters from 1 to 36 row configurations
- Powerful dual-acting, hydraulic, and responsive actuator

SureForce has advanced tech specs that:

- Individual row control to monitor, record and control weight needs of each row
- Up to 250 pounds of uplift and 650 pounds of downforce
- 200 readings per second from gauge wheel sensors on every row

### **NEW ARRIVALS**



MAKE FURROWS, EVEN AFTER PLANTING.

DOESN'T BUILD A RIDGE & LESSENS THE CHANCES OF ROOT PRUNING.

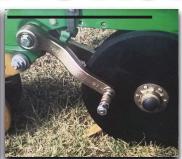
IMPROVES WATER FLOW EFFICIENCY.



THE FLAT 20 IN. DOUBLE DISC VINECUTTER
POWERS THROUGH AND PUSHES BACK DIRT & RESIDUE CREATING A NARROW, BUT DEEP GROOVE THAT WON'T COLLAPSE.

## FINORSEMAN





#### Norseman Gauge Wheel Arm Kit

for JD XP, ME5, EE, JD 1530, 1535 drills with XP row units, Harvest International. Includes 2 arms and hardware to bolt arms to row unit and to bolt gauge wheels to arms for one row.

(Rotary scrapers are NOT compatible with Norseman arms.)





Norseman scraper ring for JD, Kinze, gauge wheel unique mounting method allows flex to avoid mud build-up. Conical profile keeps the scraper ring securely mounted and maintains optimal angle of attack.

Clean opener blades make for a well-defined seed trench. Use in conjunction with Norseman roller bearing gauge wheel arms to dramatically reduce maintenance intervals.



### **COVER CROP**



Complete Dry Fertilizer Application System to help you start reaping the benefits of <u>Deep Band</u> fertilizer.
-High Capacity 6 or 9 Ton Poly Tank.

-Poly Tank & Lid are made out of a high quality plastic with UV stabilizer to increase the life of the tank and lid. All components are stainless or plastic that are in direct contact with fertilizer, for maximum corrosion resistance.

-Proper placement can increase yields & can reduce Your Fertilizer Costs By as much as 30%. - Montag patented Auto Steer System Allows for easy maneuvering, tighter turns and less crop damage with controlled traffic patterns.











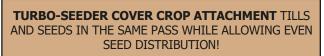


### HINIKER

CYM CYMHYMM DYMMIS/MM

20Cu. Ft. (Approx. 16 Bushels)
Steel Hopper With Hinged Lid.

24 Individual Meters On Single Shaft - 12 Face Left and 12
Face Right for Convenient Hose Routing. 1"
Diameter Hose Required. Metering Wheels Suitable for
Use With Many Commonly Used Small Seeds.
Hydraulically Driven Blower (8 GPM Required
Variable Rate Hydraulic Drive (Less Control Console).
NOTE: Control System Must Be Capable of Controlling
Pulse Width Modulating Valving. Mounted To A Square
Tube Base For Ease of Mounting on A Variety of
Equipment. Hopper Access Platform Included



Reap the benefits of both cover crop crops and true vertical tillage with the new **Turbo-Seeder**™ attachment for **Turbo-Max**™. *Till your soil, size residue and plant cover crops in one pass!* 



### **COVER CROP**

Gandy Orbit-Air One of the leaders for planting cover crops & small grains. The 62 series has 16 or 24 outlets with slide closures, 12v motor, metering wheels, weather-tight cover, fill platform and a hydraulic blower.

LOW PROFILE HEADER MOUNT (pictured at left) is 8 bu. and 18 outlets with a split shaft. Puts out rye grass, turnips, tillage radishes and more in a single pass while harvesting row crops







### ADU DRILL UNITS

ACHIEVE UNIFORM PLANTING AND FAST EMERGENCE



early stand establishment of dual plant cover put directly into row

crops.





Founded in 1984, Ag Spectrum @ aimstorevolutionize agriculture with the Maximum Farming System Combining ongoing research improve fields, vields,

and nead favor left arming experiences, they

- . Withover 100 representatives in 20 states,
- Science-Based Rooted in proven scientific principles.
- Education Promotingsustainable agronomic practices
- Systematic Approach: Holistic crop production methods.
- Integrity: Honesty in all endeavors.
- Partnerships Collaborating locally.
- Leadership: Supporting an Independent Associate Network
- Long-TermFocus Prioritizinglong-termbenefitsovershort-termgains

**Pre-Planting** 

**Emergence** through V6

**Rapid Growth** V6-V12

Pre-Tassel V12-V16

**Pollination** 

**Grain Fill** R2-R3

**PLANT PRIORITIES** 

Stimulate microbiological activity to ensure proper nutrition is available

**PLANT PRIORITIES** 

Planting

Establish root system, healthy stand, and even emergence

**PLANT PRIORITIES** 

Maximize yield potential by setting kernel rows and number along the cob

**PLANT PRIORITIES** 

Plant architecture. photosynthesis

**PLANT PRIORITIES** 

Set plant up for pollination

PLANT PRIORITIES Integrity of flowering process

PLANT PRIORITIES

Late-season access to water and nitrogen to complete seed production

#### Maximum Farming System

- Sail Management: UtilizesSail Type and Management Zone (ST/MZ) sampling for precise nutrient information
- Lab Analysis: Mowest Laboratories analyze soil samples for detailed nutrient
- Recommendations: Ag Spectrumprovides guidance on fertilizers, herbicides, and more, based on test results.
- Reports: Farmers receive comprehensive reports with maps, nutrient levels, and cost estimates.
- Ongoing Support: Continuous recommendations based on soil test data to enhance production and soil health.

"The Maximum Farming System enables farmers to reallocate their dollars to be more effective with nutrient use and placement."

SOYBEANS

**Pre-Planting** 

**Planting** 

Emergence

Vegetative V3-V5

Vegetative V6-V13

Initial **Flowering** R1

**Pod Filling R3** 

**PLANT PRIORITIES** 

Stimulate microbiological activity to ensure proper nutrition is available

**PLANT PRIORITIES** 

Establish root system, healthy stand, and even emergence

**PLANT PRIORITIES** 

Create mutually beneficial environment where nitrogenfixing bacteria feeds the plant, and the plant feeds the bacteria **PLANT PRIORITIES** 

Establish sufficient vegetative tissue to support later reproductive phases

PLANT PRIORITIES

Establish sufficient vegetative tissue to support later reproductive phases

**PLANT PRIORITIES** 

ntegrity of flowering process to increase and hold flowers that will develop into pods

**PLANT PRIORITIES** 

Pod development and retention, as well as stimulate pod fill and fruit size



### BED PREP



#### **BED CONDITIONER WITH 4 BAR HARROW.**

ONE PASS SEED BED PREP MACHINE, YOU CHOOSE SWEEPS TO CLEAN TOPS OF BEDS OR MIDDLEBUSTERS TO **CLEAR FURROWS. THE HEAVY-DUTY CHOPPER BASKET** SIZES RESIDUE AND LEVELS SEED BEDS, FOLLOWED BY THE 4-BAR SPIKE HARROW TO EVENLY DISTRIBUTE RESIDUE AND FINISH THE SEED BED IN PREPARATION FOR THE P.



CREATE THE PERFECT SEED IDDLEBUSTERS CLEARING THE FURROW BEFORE AND AFTER THE HEAVY DUTY CHOPPING REEL THAT CLEARS AND SIZES RESIDUE. THE REAR DOUBLE FINISHING BASKETS CREATE A FIRM, LEVEL BED WITH PROPERLY CONDITIONED SOIL FOR OPTIMUM PLANTING.















SMOOTH TO RUN, YET AGGRESSIVE ON RESIDUE AND CLODS. THE FRONT CHOPPER REEL HANDLES TOUGH RESIDUE AND BREAKS UP DIRT, WHILE THESPRING LOADED C-SHANK MIDDLEBUSTERS CLEAR FURROWS. THE DOUBLE FLAT-BAR FINISHING BASKETS LAY DOWN A SMOOTH, WELL DEFINED SURFACE FOR PLANTING.

### **BED PREP**



### SINGLE DISC BEDDER

THE SINGLE DISC BEDDER PULLS
EASIER THAN THE TRADITIONAL
DOUBLE DISC BEDDER, ALLOWING
MORE FLOW IN TOUGH RESIDUE, WITH
LESS PLUGGING. THE SIMPLE DESIGN
REDUCES MAINTENANCE COSTS AND
DOWN TIME. ADDITION OF THE
OPTIONAL ROLLER WILL FLATTEN BED
TOPS, LEAVING A FLAT SURFACE
AHEAD OF THE PLANTER.







**OPTIONAL STABILIZER & ROLLER** 













### LISTER BEDDER







### PARALLEL LISTER BEDDER

CULTIVATE, RUN WATER FURROWS,
AND BUILD BEDS IN THE TOUGHEST
HIGH RESIDUE CONDITIONS.
OPTIONS INCLUDE A REAR SWEEP
ATTACHMENT, A MIDDLEBUSTER WITH
DOUBLE LISTER
DISCS TO CLEAN FURROWS OR VINECUTTER DOUBLE DISC FURROW
ATTACHMENT FOR HEAVY RESIDUE
OR COVER CROP.

















#### **GAIN EFFICIENCY WITH BANDED NITROGEN**

Maximize efficiency by putting out nitrogen where and when emerging corn plants need it. Moisture moves nutrient bands into the root zone and dilutes the solutions to prevent root burn or injury.

#### PLACEMENT WITH NO IMPACT ON DEPTH OR CLOSING

360 BANDIT mounts to the row unit in front of the closing wheels. With no impact on closing the trench using a spring-loaded coulter and shallow placement, 360 BANDIT doesn't rob downforce from the row unit.







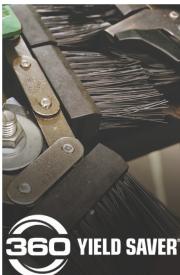




#### **ACCURACY WITH FLEXIBILTY**

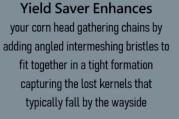
360 Y-DROP utilizes your sprayer to put liquid fertilizers and other nutrients right were your corn needs it most and gives you the ability to apply at later V-stages of growth in season.











Don't let yield fall through the cracks!



Undercover gives you the ability to spray fungicides, insecticides and other foliar products under the plant canopy allowing for better absorption of products.



Simple Upgrade, Big Change

Eset is a meter upgrade for JD planters' that gives you picket fence stands without having to make time consuming adjustments as you plant.

state stand to appure Field Pandings (\$25,00/Pow)

To Ensure Meter Performance and Accuracy have your Meters Calibrated Yearly or After 1,000+ acres Install & Calibrate on MeterMax Ultra test stand to ensure Field Readiness -\$35.00/Rowwell

# ∨Set®

CROP KITS FOR:
CORN
SOYBEANS
COTTON SINGULATED
POPCORN
PEANUTS
SORGHUM
WHEAT

AND MORE!

vSet gives you the option to convert your mechanical Finger Pick Up Kinze and J.D. Planters to Vacuum

Allowing you to plant a wider variety of hybrids at a wider range of speed with more accuracy and correct spacing!



**vSet Meters will retrofit:** 

J.D. 7000,7200,17XX,17X5, ME5 KINZE 2000,3000,4900 CASE 1200, 12X5 \*VDRIVE ONLY

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The Slim Design of the new Gen 3 offers a 10"HD display and faster data processing



Precision Planting's
Seedsense monitor
gives you in-depth
knowledge of your
planters performance
on a row-by-row basis.
Giving you more control
and helping make
timely decisions in the
field.

Ride Quality	Skips 0.00 %
Ac/hour 22.67	Mults 0.30 %

vDrive					
32,000	Swath				
DeltaForce					
Standard	100 lbs				

# Good Ride 98.0 % Average Spacing 5.80 in

Down Force				
Margin 81.0 lbs				
Ground Contact	100 %			
<b>↓</b> 10 <b>131</b>	301 6 ↑			

### 20|20 Seedsense



Seedsense records foot by foot planting data and is capable of controlling variable rate seeding and variable rate liquid at same time as well as doubling as a harvest monitor along with a Yieldsense setup in the fall.

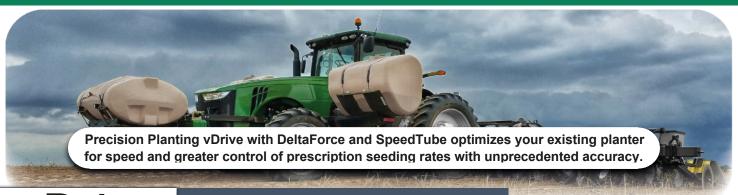




### 20|20 Seedsense Capabilities include:

- Row by row averages of <sup>-</sup>
   Population monitoring
- Planter Meter Performance such as
- excessive planter meter skipping or doubling
- Seed Spacing monitoring to ensure correct seed placement
- Row unit ground contact and excessive downforce monitoring

- Variable Rate Control with Precision vDrive and liquid rate control with vApply
- Downforce control with Deltaforce hydraulic downforce system
- Yield monitoring with Yieldsense
- Row by row liquid monitoring with FlowSense
- Row by row closing system control and monitoring with FurrowForce



### **vDrive**<sub>®</sub>

### No Drive System Maintenance, No Worries

vDrive Electric Drive motors attach only to Precision Planting vSet2 Meters, vDrive gives you the ability to control your planter seeding rate at the push of a button without the hassle of transmissions or chain drives. vDrive allows more accurate Variable Rate Seeding with Prescriptions along with sectional or individual row swath control.

### DeltaForce<sub>®</sub>

#### **DownForce Control Made Automatic**

Control Row Unit Downforce To The Row with DeltaForce Hydraulic Downforce System. Ensures and maintains planter to ground contact and keeps excessive row unit weight off the seed bed with a one second response time.

### SpeedTube<sub>®</sub>

### Speed Doesn't Have to Kill

Be able to cover more acres faster with the high speed and accuracy of SpeedTube. Belted drive system, along with feeder wheels at top of tube, ensures accurate seed placement and eliminates bouncing at the start ensuring precise seed to trench placement.

### CornerStone<sub>®</sub>

### **Complete Planting System**

CornerStone®, from Precision Planting, is a fully custom, factory-built planting system with integrated Precision Planting hardware. Gain unmatched planting performance through ease of in-field use, simple adjustments for changing planting conditions, and best-in-class durability and serviceability.

The top three Precision Planting products must be installed to achieve accurate seed placement at high speeds For a Complete Planter Specific Quote give us a call!









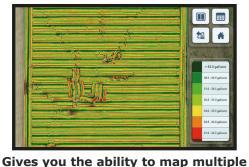
### Conceal.

Conceal is a planter fertility attachment that is cleanly tucked into the row unit and utilizes a liquid knife placing nutrition in the soil 3" away from seed.



### ReClaim.

ReClaim eliminates the wasteful and time-consuming process of priming your booms. By keeping your boom cycling product before a nozzle ever sprays to the ground. Your first droplets are the right concentration, more effective, and time saving, without needing a new sprayer.





Starter			
4.01 gal/ac			
2.80	_	5.20	
<b>↓</b> 11	3.83	<b>4.22</b> 12 <b>↑</b>	

### FlowSense...

FlowSense allows row-by-row monitoring of liquid products while planting so you can visually see any variance or if a row is becoming restricted. EM FlowSense replaces traditional turbines with an electromagnetic pulse sensor allowing, for greater variability of liquid products.



### **FurrowForce**

Managing soil density is a key component of creating the best environment for the seed.
FurrowForce solves this problem by maintaining a set amount of weight on the stitch wheels to firm the soil over the seed, remove air out of the soil, and retain moisture for a longer period of time to give each seed the chance to germinate consistently.



Row unit-mounted row cleaners hurt row unit ride and affect down force requirements. Reveal is frame mounted, removing its impact on the row unit. With its own internal gauge wheel, Reveal precisely controls the depth of the cleaning tines to create a consistently clean and ideal seeding environment for even emergence to occur.

### RESIDUE MANAGMENT

### 2967 Screw Adjust Residue Manager

### Easily Make Adjustments to Depth!

- Simple to set and maintain appropriate
- workingdepthfromabove unit
- DRAMATICALLYreduces adjustment time
- Attaches directly to the face plate of the planter rowunit
- Includes depth gauge on front of unit for uniform setting on all rows
- Allowsfor fine tuning of the residue manager and adjusts in 1/16" increments and features a 3/4" socketto speed changes
- EASILYCON/ERTPINADJUSTTOSCREWADJUSTMODEL

#### **Short Floating Residue Manager**



NOT FOR USE WITH UNIT MOUNT COULTER DESIGN

For use with Precision CleanSweeP

PRECISION PLANTING

CLEANSWEEP ATTACHMENT SHOWN ABOVE

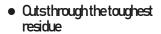
JD 2967-029B-ST-FW Sharktooth Wheels & Floaters (shown) Fits JD 7-7300,1700, KZ & Wht.

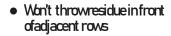
CIH 2967-097B for 30"-40" SHOWN WITH OPTIONAL Sharktooth Wheel & Floaters

(Also available for 15"-22" rows)











- Set with one wheel leading or with both wheels parallel or interlocked.
- Roater wheels available.
- Handlestough conditions including tech hybrids, com-on-com acreage and cover crop.
- UNRmodel for 15-22" minimizes thrown residue in front of adjacent row.
- Newdesign allowsattachments for multiple planter use and use with Precision Clean Sweep
- Cable drive may require optional guard. 6-8 rowhex shaft could hit on some models.
- Can be ordered specifically for use with Precision Planting Conceal
- Compatible with Precision Planting Cleansweep

### 2967 Pin-Adjust Residue Manager Also in Narrow Row

### Rugged Design for Endurance

- Improvessoil moisture, water permeation, aeration, and soil tilth
- Sealed heavy-duty double rowgreaseable bearings
- Bolt-onhub caps stay in place and keep dirt out
- Strongwheel systemprovides durability
- Tapered fingers clear residue and clods with clean strokes that parallel the ground
- Sharktoothisideal for clearing wheat stubble
   Standard or -BW JD 2967-028
   (AVAILABLE IN SHARKTOOTH -ST)

### RESIDUE MANAGMENT

#### 6000 Tru-Closer



### TRU CLOSER



Adjustable T handle sets spring down pressure

> Dial indicator for operating angle of closing wheels

> > Drag chain mounting holes

Adjustment knob to adjust wheel angle

**Ouickly remove** closing wheels with Interchanger



- Features 20° range of camber motion (-5°toeinto+15°toeout)
- Toe out setting brings the seed trench closed, eliminating air pockets and enhancing seed-to-soil contact.
- Slide equalizer adjusts spring pressure to calibrate rowto-rowdownforce setting on each dosing wheel.

#### 6200-108 Drag Chain



Thischain has a 5/8" twistedline, beveled, five-sided square twist link, topull more heavy soil onto the trench. Helps dosein wet conditions

### 6200-005 Poly Twister Wheel Kit

- Wheel utilizes poly spikes & a rounded center
- Available with ring only option or full assembly
- Closes seed trench in both wet and ideal Conditions
- Available with short spikes for shallow planted crops like cotton



**Optional Ring** only insert kit

#### 6200 TWISTER CONVERSION KIT FOR CASE IH

 Improves dosing of furrow
 Bracket mounts Twister wheels to Case IHSeries planters







### **Residue Manager Coulter Combo**

Works Great on Standard or Ultra Narrow Row Planters

#### The ULTIMATESpace-Saver Combo

- 3" narrower and 5" shorter than the 2960/2967 combo
- Mnimizes displacement of residue into adjacent rows
- Fitsmost narrowrowplanters
- Coulter blade and residue manager that adjust independently in 3/8" increments
- Lockdownor Float tofollowsail contour
- Adjustable Depth Control



### FERTILIZER APPLICATION

### 2962 FLOATING RESIDUE MANAGER FOR DOUBLE DISC FERTILIZER COULTER



- » Adjustable for both depth and distance from the row
- » Screw adjustment depth
- » Clears residue and Fertilizes in one pass
- Sood choice for higher rates of starter fertilizer
- » RH or LH units available
- » Price Includes SharkTooth Blade, Screw Adjust Residue Manager, and Floater Wheels

2962-003A-LH or -004A-RH Liquid Mount with One Smooth Blade/One Notched and 2962-005 Sharktooth Residue Manager and Floater Wheels. Fits JD and Kinze.

#### 2959-003 INJECTION SYSTEM



- >> Planter mounted one pass system
- >> 16" blade cuts slot 2" to left or right of row
- >> Adjustable Depth
- » Residue Manager included in price
- >> Optional mounting kit for Precision Planting Cleansweep™ to enable air adjustment

2959-003/2967-180 Finger Wheel Residue Manager (shown) 2959-003/2967-180-ST Sharktooth Wheel. Fits JD & Kinze.

Fits case 1200

#### 2968 IN-BETWEEN FERTILIZER OPENER

#### JD FERTILIZER OPENER

- Mounts on planter row unit behind gauge wheel
- Eliminates fertilize build-up
- 10" disc (or 8" on Case IH)
- Apply fertilizer from 2"or 3" off the row
- Adjustable depth in 1/4" increments
- Includes injection kit (optional springload knife kit available)



### Available as a dualor single wheel opener For placement of

**CASE FERTILIZER OPENER** 

 For placement of starter or nitrogen fertilizer

 Disc is located behind gauge wheel, eliminating fertilizer and damp soil buildup on gauge wheel





#### **Available with Single or Dual Discs**

JD (except CCS STACKFOLD), Kinze,White 8000-9000

Additional pricing for spring loaded knife optional



Great Plains & Monosem options available



#### PIN ADJUST ROW CLEANERS WITH MOUNT

- Rigidly mounted directly to planter unit face plate
- Easily adjustable in 1/4" increments with lift assist handle and spring
- Movable axles with the Martin Exclusive D-Lock System allow for several mounting positions (intersect, offset, retracted)
- 13" diameter toothed steel wheels with diamond shaped points

**B1332** 





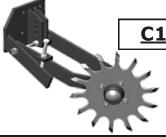
CIH 800 ,900, 1200 & 1250

JD & KINZE

#### **C125 FLOATING ROW CLEANER**

- Accommodates most Unit mount Coulters
- · Floats to follow ground contour
- Moveable axles with the Martin Exclusive Dlock System allow several mounting positions (intersect, offset, retracted)
- 13" diameter toothed steel wheels with diamond shaped points (15" wheels may be used on certain planters)
   Internal deflectors standard

Single Wheel for GREAT PLAINS TWIN ROW

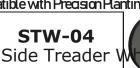




#### **1360 FLOATING ROW CLEANER**

- Heavy duty frame
- 3/8" thick, heat treated, diamond tooth wheels.
- Double taper bearings w/triple lip seals.
- Greaseable hubs w/ heavy duty dust cap.
- Available for most planter models also works with JD & Kinze no-till coulters.

Compatible with Precision Planting Cleansweep





WW-04 Wheel Weights



**CA-03D** Cam Adjust



1360

**NEW! Air Adjust Units** 

Available. ACCR 1360

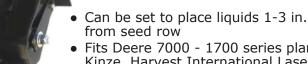
NEW!! RAZORWHEEL BLADES!

#### **UMO-100 FERTILIZER OPENER**

The Martin UMO-100 fertilizer opener mounts directly to the planting unit and is compact enough to be mounted within our 1360 and C125 floating row cleaners.



Optional Dual discs & dry fertilizer tube available









# 9" TOOTHED or RAZOR CLOSING WHEELS FOR CASE IH & JD/KINZE COTTON CLOSING

#### BSCW899Z





Nine inch diameter Toothed or Razor wheel replaces closing disc on Case IH & JD/Kinze cotton closing planter row units.

Moist soil is moved toward the seed at seeding depth, even in hard or sod conditions. In wet conditions, the soil is prevented from forming a continuous ribbon by the lifting action of the teeth as they rotate up out of the soil.

- Reduces closing wheel arm pressure
- Closes seed trench in most severe conditions
- Leaves soil above the seed loose & compaction free
- Eliminates side wall compaction
- Case IH must have offset closing wheel

Single 3/8" thick, 15" diameter right or left toothed steel wheel with cast hub & diamond shaped points

#### **BSCW1543**

For JD 7200 & 7300 series planters with 17mm attached stud style arms.

#### **BSCW1541**

Same as above for use with rolls pin style arms

For planters with Bolt-On hubs: Deere 1700 series, Kinze and White

#### 13" SINGLE CLOSING WHEELS FOR DRILLS & AIR SEEDERS

BSCW156

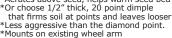
BSCW75 \$172 w/dimple wheel \$172 w/spading wheel

\$104 w/dimple wheel \$117.50 w/spading

For JD750/1850 Drill

#### For JD 1560,1860,1590 & 1890 Drill

- \*Aerates above seed, helps warm seed bed \*Or choose 1/2" thick, 20 point dimple









#### 13" DOUBLE CLOSING WHEELS

#### **BSCW1341**

\$380 per row-Double Wheel

For JD 7000 & early Kinze planters with Roll pin studs

#### 14" DUAL CUPPED RAZOR WHEEL

#### **BSCW1444C**

- 1/4" thick, heat-treated wheels, with 18 beveled
- Cast hubs with long life 5203 double row bearing with 6 lip seal





### **DIMPLE WHEEL OPTION:**

- 1/2" thick, 13" diameter steel wheel with rounded points
- Single 2-row ball bearing

Also available with Dimple Wheel

- Double threaded specially designed
- Fits Deere 750 and 1850 drills
- Firms soil at rounded points while leaving looser area between points
- · Less aggressive than spading wheel

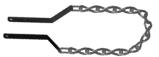
oose between 14 or 20 Dimple





20 Dimple

#### **DRAG CHAIN KIT**



- Heavy square edge cross chain and brackets
- Bolts to all Max-Emerge units
- Fits Kinze and White units with bolt-on wheels
- Drags loose soil to fill voids

**DCK-01** 



### Dawn TrashWheel Row Cleaners

- Choice of 14" Original or narrow version wheels, recommended for use in min-till & hi-residue or 123/4" Reduced angle wheels. for JD NT series, 1780, 1790 & White 8000 or where clearance is limited.
- Single wheel model for narrow-row clearing of seed centerline. Does not clear residue the full width of planter gauge wheels
- Acme screw depth adjustment, hot drop-forged wheels & re-greasable bearings.
- Available to fit JD, Case IH, White & Kinze.

**Dual Wheel** Standard w/Mount



**Dual Wheel Reduced Angle Narrow Row** w/Mount



Single **TrashWheel** Model w/ Mount





#### Dawn Floating TrashWheel™ Row Cleaners

- Available to fit JD, White & Kinze.
- Optional polycarbonite depth bands

#### Dawn 1572 TrashWheel Row Cleaner & Coulter Combo

- Available to fit JD, White & Kinze.
- Single Trashwheel option 22" row and less
- 16" coulter options include 8-wave, 13-wave, 25-wave or ripple

**Convert your Dawn Trashwheels to combo units** 

**Complete Trashwheel** and Coulter Combo





ch Industries' RFM **Auspoint Coil Closing and Gauge Wheel eliminate** the day-to-day hassles of the conventional rubber tire system.

The Gauge Wheel self cleans, overcomes replacing rubber tires, keeps the dry soil away from the seed trench, gives a smoother ride for better seed placement and is deal for no-till or conventional planting.

The Closing Wheel overcomes cracking, gives a better press, can provide a more even germination and sifts the soil back over the furrow to retain moisture.

**GFX-P Pneumatic Row Cleaner** Gfx-P Pneumatic, Remote-Adjust, Floating Row Cleaner

The Gfx-P uses the same frame mounted, trailing arm geometry as the hvdraulic Gfx row cleaner. The air cylinder generates the same down force as the hydraulic version.

If you are interested in a lower cost version of the Gfx, this is an excellent way to move into the Dawn FX product line, and may Be outfitted with hydraulic actuators in

the future if the air option is not adequate for your needs.

Hydraulic model available







M 1202- Series

The M-Series allows you to cater to the demands of your field conditions. The field proven curved tooth works great in min-till, no-till, res-till ground. It can be changed quickly to utilize the heavy-duty rubber wheel in conventionally tilled ground.

The M-Series Curvetine™(1202 R/L) is drop-forged and has a lifetime guarantee against bending or breaking (1206 TWINROW, JD & MONOSEM)

### Curvetine™ 1203 Closing Wheel

The Curvetine M-Series Closing System has the ability to quickly change from the Curvetine Mwheel, to a heavy-duty, steel rimmed rubber wheel. In just a few seconds, you can quickly switch from one style of the wheel to another.

### Gaugetine 1204

Closing Wheel

The Model 1204 Gaugetine combines the crumbling action of the Curvetine with a band of material which gauges the depth of the wheel.

This is most popular in shallow planted crops where limited ground penetration is needed. Also, works well in heavier ground for farmers who do conventional (clean) tillage.

102151 \$12.50 ea

### 1/2 Rate down-pressure spring for you planter tailpiece!



If you like the action of two Curvetines, but have difficulty setting the spring rate to a light enough setting, we strongly recommend our half-rate spring. This spring will allow you to use the full range of settings on your tail-piece. It also makes it possible to run two Curvetines per row in a much wider range of conditions. In general we recommend the lighter down pressure spring over equipping your Curvetines with press plates.



### Gauge Ring 1305 Closing Wheel Insert

The Model 1305 Gauge Ring utilizes similar crumbling action of the Curvetine to assist with closing. Works well in cover crop and highresidue. Kit includes two steel spiked wheel closing rings that replace OEM rubber tire on v-close wheel.

## REPLACEMENT CASE-IH PLANTER PARTS

PART NO.		DESCRIPTION & APPLICATION		
AP-1200-14HI	DL	14" X4.5MM WITH HEAVY DUTY BEARING FOR 1200 SERIES ( <i>LEADING</i> ) (OLDER PLANTERS UPDATE BOLT TO 5/8" X 2")		
AP-1200-14HDT		14" X4.5MM WITH HEAVY DUTY BEARING FOR 1200 SERIES( <i>TRAILING</i> ) (OLDER PLANTERS UPDATE BOLT TO 5/8" X 2")		
WP/84416318BA# WP/84416319BA#		LEADING 14X4.5MM <b>FDN</b> BLADE W/205 GOTHIC ARCH BEARING TRAILING 14X4.5MM <b>FDN</b> BLADE W/205 GOTHIC ARCH BEARING		
H4515		GAUGE WHEEL TIRE —REDUCED INNER DIAMETER CARLISLE TIRE		
H4515H		SAME AS ABOVE <b>HOOSIER</b> CAN BE USED ON <b>JD</b> PLANTERS IN NO-TILL OR LO-TILL CONDITIONS TO REDUCE SIDEWALL COMPACTION		
Y10000-114		4.5" X 16 CAST SPOKED RIM W/TIRE & 40MM BEARING		
Y2570-786		3" X 16 FOR CNH 1200 & 2000 SERIES		
PSI 146B		RID GAUGE WHEEL <u>ASSEMBLY</u> ; DOUBLE ROW BEARING. BLACK STEEL INNER RIM, OUTER NYLON RIM. FITS 1200,1205, & SDX AIR DRILLS.		
PSI 144B		<b>RID</b> GAUGE WHEEL <u>ASSEMBLY (AS ABOVE)</u> W/ STEM BEARING ONE SIDE STEEL AND ONE SIDE NYLON REPLACES CNH225349A1		
EA14PAK-IH 1	19312279	UPDATE KIT TO REPLACE THE 14" ARMS (CENTER TO CENTER MEASUREMENT) ON MODELS 1200, 1210, 1215, 1220, 1225, 1230, 1235, 1240, 1245, 1250, 1255, 1260, 1265.	NEW!	'
CKN-TKR CT4 OR CT6		FIRMS SOIL OVER THE ROW, WHILE IT MULCHES AND MELLOWS THE SOIL OVER THE SEED BED. AVAILABLE IN 4X12-(CT4) & 6X12-(CT6)		1
SCH/IHFERT- (SPECIFY PLANTER		2X2 SIDE PLACEMENT FERTILIZER TUBE INJECTS BEHIND COVER DISC. ELIMINATES SPLATTER, VERY STABLE. AVAILABLE IN SINGLE OR DOUBLE TUBE FITS 800-1250 PLANTERS		
BT-CIH1200		CASE IH 1200 SEED BOX TOPPER, FIBERGLASS. ADDS A BUSHEL		
WP/1277891C	91BA	8" SMOOTH COVERING DISC FOR CASE		
6000-013K		8" SERRATED COVERING DISC *CRUMBLES & CLOSES*		
6512CTT		6.5 X 12 TRACTION TREAD COTTON PRESS WHEEL TIRE ONLY. FITS 800-1200 SERIES PLANTERS AND 5400/5500 SERIES SOYBEAN SPECIAL.		
WP47050	U/47050	COTTON PRESS WHEEL ASSEMBLY WITH <b>5/8"</b> BORE BEARING. FITS CASE-IH 800, 900, 950, 1200; 5400 AND 5500 CASE-IH SOYBEAN SPECIAL. NYLON WHEEL HALVES		
U/90860		SAME AS ABOVE WITH <b>1/2</b> " BORE BEARING. NYLON WHEEL HALVES TO REPLACE ASSEMBLY WITH STEEL RIMS.		
PSI 99800KIT		TUNGSTEN CARBIDE SCRAPER KIT		
885152 P885152 -IMP	ORT	STEM BEARING WITH HOLE—FITS CLOSING AND PRESS WHEEL ON CASE IH 800 PLANTERS. P25915 SLEEVE REQUIRED ON BEARING FOR USE IN GAUGE WHEEL		
AA35741/WB P35951B -IMF	PORT	STEM BEARING WITH HOLE—885152 (ABOVE) W/ SLEEVE		
P25915		SLEEVE ONLY FOR BEARING		
AP-009840		CARBIDE EDGED SEED BOOT FOR CNH 1200. INCLUDES AP-410601 FIRMING POINT.* <u>NOT</u> OEM COMPATIBLE		
AP-410601*		CARBIDE-TIPPED FIRMING POINT FOR CASE 800 THRU 1200 SERIES. EXTRA LONG WEAR. ONLY FITS AP-009868 SEED BOOT.* MOT OEM COMPATIBLE.		
AP-009868**		STAINLESS SEED BOOT ONLY USES AP-410601 FIRMING POINT* *NOT OEM COMPATIBLE.		
U/11312		CARBIDE TIPPED FIRMING POINT-FITS OEM SEED BOOT		
U/91265		HEAT TREATED FIRMING POINT-FITS OEM SEED BOOT		
PSI 436702		HARDENED FIRMING POINT-FITS OEM SEED BOOT		
U/84243		HEAT TREATED SEED BOOT. SAME AS OEM ORIGINAL		



### REPLACEMENT PLANTER PARTS

PART NO.	MONOSEM	
	YETTER SINGLE WHEEL RESIDUE MANAGER	
2967-003 LH or RH	FOR 15" OR TWIN-ROW W/ ADJUSTABLE DOWN STOP (FOR OPTIONS SEE PAGE 13) (SHOWN) SHARKTOOTH	
	DISC OPENER ASSEMBLY	
PSI 9263	15" X 4MM HD INGERSOL DISC OPENER ASSY WITH CAST HUB AND DOUBLE ROW BALL BEARING.	
900263	SAME AS ABOVE OEM MONOSEM	
WP900263	SAME AS ABOVE FORGE DE NIAUX BLADE	
	GAUGE WHEELS AND TIRE	
PSI 9W	GAUGE WHEEL ASSY 4.5" X 16", OFF-WHITE STEEL WHEELS, STEM BEARING WITH HOLE	
H2516	2.5 X 16 NARROW GAUGE WHEEL TIRE ONLY	
PSI 142B	GAUGE WHEEL ASSY 4.5" X 16", BLACK STEEL WHEEL WITH NYLON COVER, 40MM THRU BORE BEARING	
H4516	HEAVY DUTY OFFSET PLANTER TIRE 4.5" X 16"	
H4516H	SAME AS ABOVE (HOOSIER)	
7073.2S	TIRE NARROW GAUGE WHEEL 2.5"X16"	
7073.SA	NARROW GAUGE WHEEL 2.5"X16" ASSEMBLY	
	CLOSING WHEELS AND TIRE	
P43899	CLOSING WHEEL ASSY 1" X 12", NYLON WHEEL HALVES, STEM BEARING WITH CROSS HOLE.	
or H33297	STEW DEARING WITH CROSS HOLE.	
P39968	CLOSING WHEEL ASSY 1" X 12", NYLON WHEEL HALVES WITH DOUBLE ROW 40MM BEARING.	
P22325	CLOSING WHEEL TIRE 1" X 12"	









#### WE ALSO STOCK ORIGINAL MONOSEM REPLACEMENT PARTS -TOO NUMEROUS TO MENTION

	KINZE PLANTERS	
AP-001885	KINZE 3000 SERIES V-SLICE OPENER. REPLACES OEM SEED TUBE GUARD/INNER SCRAPER	
AP-001885V-SHOT	SAME AS ABOVE BUT WITH INTERGRATED FERTILIZER TUBE	
BTKZ 2000	FIBERGLASS SEED BOX TOPPER FOR KINZE 2000 SERIES	
BTKZ 3000P	POLY SEED BOX TOPPER FOR KINZE 3000 SERIES PLANTERS	
P8322	CLOSING WHEEL TAIL PIECE FOR KINZE '93 AND LATER	
P6114	PLANTER ARM KIT FOR KINZE 2000 W/1" THREAD BUSHING &1/2"BOLT&WASHER	
AP7975-LH OR AP7976-RH	PLANTER ARM KIT FOR KINZE 3000-4000 W/2 BUSHINGS,SEALS & ZERKED	
P239	ECCENTRIC BUSHING FOR KINZE P8322 TAIL PIECE	
P282	HEX STEPPED BUSHING FOR KINZE P8322 TAIL PIECE	
P30654	DRIVE SPROCKET W/ BEARING FOR KINZE 9/16" HEX BORE 19 TOOTH	



### OPENER BLADES & TIRES FOR JD & KINZE

PART NO.	REP. OEM	DESCRIPTION & APPLICATION	
DPAA53860AP DPAA53860SELS	AA53860 A37474 A600164	15" <b>HEAVY DUTY 3.5MM <u>BORON</u></b> OPENER BLADE ASSEMBLY W/DUST CAP & KOYO BEARING . <b>FITS ALL JD (EXCEPT XP)</b> & <b>ALL KINZE</b> PLANTERS	3.5MM HD BLADES RTING \$
WP/AA53860		15" <b>HEAVY DUTY 3.5MM</b> FORGE DE NIAUX DISC OPENER BLADE ASSEMBLY W/DUST CAP <b>FITS ALL JD (EXCEPT XP)</b> & <b>ALL KINZE</b>	
H4516	A22884 A84050	GAUGE WHEEL TIRE— 4.5"X16". FITS <b>ALL JD (EXCEPT XP)</b> ,750,1560, 1850, 1860, 1530, 1535W/ ME+ UNITS, EARLY 1590, 1690,1835,1890,1895, 1990. <b>ALL KINZE &amp; MONOSEM (CARLISLE TIRE)</b>	•
H4516H		GAUGE WHEEL TIRE — 4.5"X16 ". FITS SAME AS ABOVE (HOOSIER TIRE)	
H4515		GAUGE WHEEL TIRE— FITS SAME AS ABOVE <b>REDUCED</b> INNER DIAMETER (CARLISLE TIRE) USED IN NO-TILL OR LO-TILL TO REDUCE SIDEWALL COMPACTION	
H4515H		GAUGE WHEEL TIRE—FITS SAME AS ABOVE REDUCED INNER DIAMETER (HOOSIER TIRE) USED IN NO-TILL OR LO-TILL TO REDUCE SIDEWALL COMPACTION	
4AGTIRE-S (STANDARD) 4AGTIRE-XP (XP)	NEW!	SOLID GAUGE WHEEL TIRE. 4.5" X 16" STUBBLE RESISTANT GAUGE WHEEL TIRE. MODELS TO FIT XP OR ME+ (PLEASE SPECIFY WHEN ORDERING) IMPERVIOUS TO EVEN THE TOUGHEST STALKS OR RESIDUE. EASY TO INSTALL, RESISTS MUD BUILD UP, STOPS FREQUENT TIRE CHANGING AND PLANTER DOWN TIME IN THE FIELD WHILE MAINTAINING MORE CONSISTENT PLANTING. 3 YEAR WARRANTY. MADE IN USA BY FARMERS FOR FARMERS.	
DPAA65248AP DPAA65248SELS	AA65248	15" <b>HEAVY DUTY 3.5MM <u>BORON</u></b> SEED DISC OPENER ASSEMBLY FOR <b>JD XP AND XP PRO</b> . USES DOUBLE ROW KOYO BEARING. WITH DUST CAP	<b>(</b>
WP/AA65248		15" <b>HEAVY DUTY 3.5MM</b> FORGE DE NIAUX SEED DISC OPENER ASSEMBLY FOR <b>JD XP AND XP PRO</b> WITH DOUBLE ROW BEARING & DUST CAP	XP 3.5MM HD BLADES STARTING \$40.65
WP/AA65248HD		15" HEAVY DUTY 3.5MM FDN DISC OPENER BLADE ASSEMBLY W/ STAMPED STEEL HEAVY DUTY HUB & CAP WITH DOUBLE ROW BEARING FITS XP & ME5	
WP/AA65248XD		SAME AS ABOVE, HYBRID DBL BEARING <b>EXTREME DUTY HUB</b> BEST FOR HIGH SPEED PLANTERS	
H4516XP	A77881 A84062 4516XP	GAUGE WHEEL TIRE 4.5"X16" FITS <b>JD XP &amp; XP PRO</b> , 1530,1535 W/XP, LATE MODEL 1590,1690, 1835, 1890,1595,1990 (CARLISLE)	
22800		SAME AS XP ABOVE (FARMFLEX / OTICO)	XP
P84062H		GAUGE WHEEL TIRE 4.5"X16" FITS SAME AS ABOVE (HOOSIER)	
GW416SK40	AA86055SGWO	REPL. FACTORY GAUGE WHEEL. FITS JD ME, XP,	
Y10000-114		M5, EE, KINZE 93 & UP, JD 750-1990 DRILLS.	
Y2570-786		WET SOIL & DEBRIS TO FLOWS THROUGH SPOKES.	
Y2570-790		GAUGE WHEEL ARM "STOPS" FOR 3" TIRE PREVENTS WEAR	
AGRI TRAXX AIR CORE	NEW!	4.5"X16" HIGH-WEAR SUPERIOR URETHANE MATERIAL WITH A HOLLOW CORE, THAT CAN FLEX. PUNCTURE AND TEAR RESISTANT. AVAILABLE IN 7/8" OFFSET FOR JD XP & XP PRO, 1530,1535 W/XP, LATE MODEL 1590,1690, 1835, 1890,1595,1990 & 3/8" OFFSET FOR STANDARD FITS ALL JD (EXCEPT XP) & ALL KINZE. WEARS UP TO 3X LONGER	
5365-16		3X16 POLY RIM HALF FOR URETHANE TIRES (REUSE YOUR STEEL RIM OR WITH HR4516 RIM)	

PART NO.	REP. OEM	DESCRIPTION & APPLICATION	
P35392	AA32046 AA35392	GAUGE WHEEL ASSEMBLY 4.5" X 16" HAMMER TIRE, YELLOW STEEL WHEEL HALVES, AND 885152B STEM BEARING WITH CROSS HOLE. FOR MODELS 7000,7100 & EARLY 7300 SERIES BUILT BEFORE 1992 AND KINZE ROW UNIT.	
PSI Y9-C		SAME AS ABOVE WITH CARLISLE BRAND TIRE	
GW416102C	A22884 A84050	GAUGE WHEEL ASSEMBLY 4.5" X 16". BLACK STEEL WHEEL HALF & NYLON ONE SIDE, CARLISLE TIRE AND 885154 GROOVE STEM BEARING IN SLEEVE. FOR MODEL 7300 MAX-EMERGE BUILT AFTER 1991, AND ALL 1700 ME+, PRO, 1530,1535	
GW416CS		SAME AS ABOVE WITH <b>CARLISLE</b> TIRE & DOUBLE STEEL RIMS W/NYLON INSERT	
PSI 140B		GAUGE WHEEL ASSEMBLY 4.5" X 16" <b>BLACK</b> STEEL AND POLY RIM ASSEMBLED WITH <b>40MM</b> BEARING AND <b>CARLISLE</b> BRAND STANDARD TIRE FOR USE ON <b>XP</b> PLANTER OR <b>JD</b> DRILL	
GW416102XPB		(LIKE OEM) SAME AS ABOVE WITH <b>XP CARISLE</b> TIRE AND <b>XP</b> RIM	
GW416XPB-H		SAME AS GW416102XPB WITH <b>XP HOOSIER</b> TIRE	
GW416XPBS		SAME AS ABOVE WITH <b>XP CARLISLE</b> TIRE & DOUBLE STEEL RIMS W/NYLON INSERT	
GW416XPBS-H		SAME AS ABOVE WITH <b>XP HOOSIER</b> TIRE	
GW316XPB		3X16 GAUGE WHEEL W/40MM BEARING FOR XP OR JD DRILL NARROW TIRE ALLOWS FOR BETTER TRASH FLOW. BLACK NYLON ONE SIDE & STEEL RIM HALF	
HR4516P	A56565	BLACK NYLON OUTER HALF RIM (USE STANDARD TIRE) FIT ME+,PRO,XP & XP PRO	
P22780Y	A22780	YELLOW STEEL GAUGE WHEEL HALF RIM (NOT XP)	
P22780B	HR4516B	BLACK STEEL GAUGE WHEEL HALF RIM (NOT XP)	
HR4516XP	A77880	BLACK STEEL GAUGE WHEEL HALF RIM FOR XP	
P43899	AA22884 AA43899 H33297	CLOSING WHEEL ASSEMBLY FOR MODELS <b>7000</b> , <b>7100</b> . ALSO FITS <b>KINZE</b> BEFORE 1993 (GA3086) ALSO 515, 520 GRAIN DRILLS. MADE WITH PLASTIC WHEEL HALVES. USES 885152 STEM BEARING W/HOLE.	
P43898	AA43898	CLOSING WHEEL ASSEMBLY (1X12) FOR <b>JD 72-7300</b> (PLASTIC WHEEL HALVES) W/203PP RECESSED BEARING—USE DUST CAP.	
P39968	AA39968P	17MM 1" X 12" CLOSING WHEEL FOR MODEL <b>1700</b> . MADE WITH POLY WHEEL HALVES AND USES 5203KYY2 BEARING. FITS <b>KINZE</b> '93 & NEWER.	
P39968M	AA39968	1" X 12" CLOSING WHEEL FOR MODEL <b>1700</b> . MADE WITH METAL WHEEL HALVES AND USES 5203KYY2 BEARING.	
P22325	AA22325 112SC	1" X 12" CLOSING WHEEL TIRE.	
P58851A		6.5"X12" SMOOTH CROWN PRESS WHEEL W/ METAL RIM AND 5203KYY2 BEARING FITS <b>JD MAX-EMERGE</b> ,1700 PLUS	
6512CST	A58851	6.5" X 12" SMOOTH CROWN PLANTER TIRE	
6512CTT		6.5" X 12" TRACTION TREAD PLANTER TIRE	













PART NO.	REP. OEM	DESCRIPTION & APPLICATION
P92817	A92817	GAUGE WHEEL ARM KIT CONSISTS OF ARM, THREADED BUSHING WITH 5/8" HOLE, FITS JD MAXEMERGE XP, XP PRO; 1530,1535 W/ XP UNITS
APQ2550B-2	A41968 PSI17017 P54179	GAUGE WHEEL ARM KIT—COMPLETE W/ THREADED BUSHING & HARDWARE. FITS 7000—1720 (NOT XP)
P79648	XP	GAUGE WHEEL ARM KIT—COMPLETE W/ THREADED BUSHING & HARDWARE. FITS 1720 XP
P92818		SELF ALIGNING THREADED BUSHING, 5/8" HOLE, USED ON P92817 KIT FITS JD MAXEMERGE XP, XP PRO; 1530, 1535 WITH XP ROW UNIT
AP79646	NEW!	CAST GAUGE WHEEL ARM WITH <b>BALL BEARING PIVOTS</b> . FITS JOHN DEERE PLANTER ROW UNITS <b>MAXEMERGE®2</b> , <b>PLUS, PRO, XP, XP PRO</b> . REQUIRES BOLT ON GAUGE WHEEL ASSEMBLIES
CA / PR1150 (1700) CA / PR1152 (ME 5)	NEW!	THE GAUGE WHEEL ARM REPAIR KIT IS DIFFERENT FROM ALL OTHER KITS ON THE MARKET, BECAUSE IT SUPPORTS THE OFFSET LOAD IN A DIFFERENT WAY AND ACTUALLY SOLVES THE PROBLEM. THE RKP DESIGN UTILIZES A DISC SPRING TO PRE-LOAD THE OUTER END OF THE HUB OF THE ARM WITH ENOUGH SPRING PRESSURE THAT THE ARM CANNOT LEAN BUT CAN PIVOT FREELY.
CA / GWC	NEW!	THIS CLIP PROTECTS THE GAUGE WHEEL ARM FROM WEAR AND TEAR. IT COVERS THE PIVOT POINT WHERE THE ARM MEETS THE ARM STOP. KEEPING PLANTING DEPTH CONSISTENT. FITS ON ALL JD 1700 PLANTERS.
P772K		XP GAUGE WHEEL WALKING DEPTH CONTROL  KIT. CONSISTS OF NEXT 3 ITEMS*: USE ON MM+, PRO, XP,  XP-PRO, 1530,1535,LATE MM2 W/ A62609 ROCKER. NOT  FOR USE ON EARY MM2 W/ 9/16" HOLE AND NO PIVOT  STOPS OR UNITS THAT HAVE PNEUMATIC DOWNFORCE
P772	A82772	WALKING PIVOT JD PLANTER*
P609	A62609	ROCKER JD PLANTER*
P670	A58670	PIVOT BOLT JD PLANTER*
P10071	AB10071	SPRING, DOWN PRESSURE W/ 7/16" THREAD- ED PLUG FOR 7000, 7100 SERIES PLANTER ALSO REPLACES KINZE NO.GA2052
GA2068	AA28046 AA35876 GA2068	HEAVY DUTY DOWN PRESSURE SPRING WITH 1/2" THREADED PLUG, FITS JD & KINZE PLANTERS AND YETTER COULTER
P43609	123044 A43609	STANDARD DOWN PRESSURE SPRING FOR MODEL 7200 AND 7300 PLANTERS, 2-4 PER ROW, FITS CLOSING WHEEL KIT ON MM+, PRO, XP PRO, 1530 AND 1535
SI/DAM0020	00	DEPTH-A-MATIC FOR JD 7200/7300, AND 1700 SERIES PLANTERS
P43610	A43610	RUBBER SPACER TRANSMISSION 7200,7240,7300,7340,1760,1780,1700 XP MODELS
AB16768		DISC CLOSING BEARING FOR COTTON BACK-END
PSI 16787		PRESS WHEEL CAST BRACKET ONLY
P35645	AA35645 123645	19 TOOTH WIDE CHAIN DRIVE SPROCKET;7/8"HEX BORE FOR 72-7300,1760,1780 MM2,MM,XP, 1700
P36212	AA36212	19 TOOTH NARROW CHAIN DRIVE SPROCK- ET;7/8"HEX BORE FOR 72-7300,1760,1780 MM2, 1700, JACKSHAFT 7340 MM2
P35646	AA35646	HANGER BEARING—7/8" HEX BORE FITS JD7200 WING & FLEX FOLD,7300 VERT.FOLD,1710,. 1760,1760NT,1770,1770NT,1780,1790
205KRRB-2	JD22097	BEVELED 7/8" HEX BORE BEARING
P34259	AA34259	HANGER BEARING—9/16" HEX BORE

PART NO.	DESCRIPTION & APPLICATION	
885154 P885154 <b>IMPORT</b>	GROOVED STEM BEARING TO FIT <b>JD 7300/1700</b> PLANTER GAUGE WHEEL; W/O BUSHING. A25915 SLEEVE REQUIRED FOR PRESS WHEEL BEARING ASSEMBLY	
AA38106 P38106B <b>IMPORT</b>	GROOVED STEM BEARING <u>W/BUSHING</u> TO FIT <b>JD</b> 7300/EARLY 1700 PLANTER GAUGE WHEEL	
885152 P885152 <b>IMPORT</b>	STEM BEARING WITH HOLE—FITS CLOSING AND PRESS WHEEL ON <b>JD 7000-7100</b> AND <b>IH 800</b> & <b>KINZE</b> PLANTERS. A25915 SLEEVE REQUIRED FOR PRESS WHEEL BEARING ASSEMBLY	(
AA35741/WB	STEM BEARING WITH HOLE—885152 W/BUSHING SLEEVE	
P25915	BUSHING SLEEVE FOR 885152 OR 885154 BRG.	
5203KYY2 C5203KYY2 <b>IMPORT</b>	BEARING FOR <b>1700 &amp; XP</b> GAUGE WHEEL AND <b>750</b> DRILL; JD PN212132 & <b>KINZE 3000</b> . DOUBLE ROW 40MM FOR MANY NEW 4X16 WHEEL ASSEMBLY. ALSO FITS P43898 CLOSING WHEELS	
2P2E620	COTTON BACK-END BEARING ASSY FOR <b>7200, 7300 &amp; ME</b> 2. ALSO USED ON 750 GRAIN DRILL AND 886 ROW CROP	

2B35638 P35638 **IMPORT**  CULTIVATOR. USED IN EARLY AA43898 NYLON WHEELS AND ALL AA434211 METAL WHEELS. INCLUDES 203K INNER BEARING, JD 8535 ENHANCED OUTER BEARING & 2B43769 BUSHING.

#### SERRATED/SMOOTH COTTON CLOSING BACK-END

P6001CIH P6002REV Thick 5mm, long wearing, blades tear through soil and leave loosened soil for press wheel, assuring improved seed to soil contact. Does not slit soil, covers seed completely. Available for JD and CASE IH.

Includes: 2 Serrated Closing Discs with mount hardware, hubs & bearings and hub caps

U/47259 (SERRATED)

Serrated blades aggressively loosen soil eliminating side wall compaction. Both include heavy duty frame construction with two 8 closing discs, down pressure spring and 6-1/2" x 12" single rib traction tire.

U/47055 (SMOOTH)

Also available with Smooth blades that are excellent for crops in light soil conditions Smooth Fits JD 7200/7300 & early 1760, 1780 with MaxEmerge®2. Serrated Fits JD 1700 series MaxEmergePlus, Pro, XP, XP Pro

**FASTTRAC** 

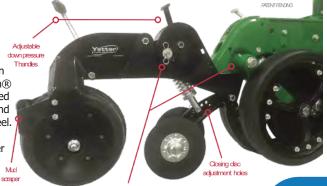
Fast Trac Cotton Closing system with independently adjustable down pressure spring for closing discs & press wheels available for

JD, CASE IH, KINZE & WHITE planters



Capable of housing 8" or 9" closing discs, in smooth, serrated, or SharkTooth® Standard 6.5" chevron-patterned firming wheel can be removed and replaced with a V closing wheel.

> Optional liquid fertilizer kit available



dosing system

25

PART NO.	REP.	OEM	DESCRIPTION & APPLICATION	
75-500-BN-PSI			IN FURROW SPRAY BRACKET W/ GRANULAR TUBE (NOZZLE BODY NOT INCLUDED)	
P55008		) 1	CHAIN SPROCKET, PLASTIC FOR 1700 SERIES PLANTER UNITS AND ATTACHMENTS. FINGER PICKUP AND VACUUM METER DRIVE. PLATELESS HERBICIDE AND INSECTICIDE DRIVE.	
JD32729			IDLER SPROCKET, 14 TOOTH FOR #40 CHAIN ON SEED AND FERTILIZER TRANSMISSION.	
JD32776		I	IDLER SPROCKET, 12 TOOTH FOR #50	
P21962		I	IDLER FOR SEED METER, HERB/INSECT DRIVE	
K17100		I	IDLER SEED METER CHAIN KIT; FITS 7200, 7300, 1700	
P41692		(	SEED GUARD 7000,7100,7200,1760, 1780 BEFORE FEB 1997	
P61577			SEED GUARD 1700 SERIES PLANTER UNITS AND ALL KINZE EXCEPT 3000. FOR USE WITH CURVED SEEDTUBE (P56784) BRACKET WELDED TO SEED GUARD	
P80203			SEED GUARD XP SHANK MAXEMERGE XP ROW UNIT CURVED SEED TUBE	
F81315		F	SEED TUBE GUARD FOR JOHN DEERE HIGH SPEED PLANTERS. THIS GUARD IS MADE FROM A SPECIAL ALLOY FOR LONGER WEAR THAN THE ORIGINAL OEM GUARD.	\$69.95
P48879		(	SHIELD, 1700 SERIES PLANTER UNITS	
U/65672			3 BU. POLY SEED HOPPER W/MOUNT BRKTS AND LID FOR JD MAXEMERGE 2,MAXEMERGE PLUS,XP	
U/47995			1.6 BU. POLY SEED HOPPER FOR JD VACUUM METER, MAXEMERGE 2,MAXEMERGE PLUS,XP USES U/63858	
U/36827			1.6 BU. LID FOR JD 7000,7100, & KINZE (EXCEPT 3000)	
U/63858			1.6 BU. LID FOR JD VACUUM METER, MAXEMERGE 2,MAXEMERGE PLUS,XP	
U/81974			SEED HOPPER LID FOR MM PLANTER MMII,MM+,XP 3 BU. BOX	
BTJD-1700P			POLY SEED BOX TOPPER FOR LATE 7200-7300 & 1700 (93 & NEWER)	
BT-7000		F	SEED BOX TOPPER FOR 7000—7300 (THRU '92) IN FIBERGLASS. PRE '93 72-7300 MAY HAVE WIDE OR NARROW BOXES, PLEASE MEASURE BEFORE ORDERING.	
JDSPRLD-1700 JDSPRLD-7100 JDSPRLD-7300		(    -	SPRINGLOAD FOR DRIVE TIRES, JD MODELS 1700, 7100, 7300 (SPECIFY JD PLANTER MODEL) ELIMINATES COSTLY SKIPS IN YOUR FIELDS BECAUSE OF DITCHES OR UNEVEN TERRAIN, KEEPS PLANTER DRIVE WHEELS IN CONTACT WITH THE GROUND AT ALL TIMES.	
CA/FURROWCF	RUISEF	<b>?</b> (	FURROW CRUISER'S PATENTED TOOTH DESIGN REDUCES SIDEWALL COMPACTION AND KEEPS SOIL AERATED WHEN CONDITIONS ARE MORE SATURATED THAN IDEAL AVAILABLE FOR JD 17XX, JD ME, KINZE 1993 AND NEWER, & WHITE 6000, 8000 AND 9000 SERIES	

PART NO.	REP. OEM	I DESCRIPTION & APPLICATION	
CW90B-2	NEW!	CLOSING WHEEL ASSEMBLY WITH PIVOT BEARINGS. FITS JD ME2, XP & PRO MACHINES. THIS NEW APPROACH TO OLD BUSHING ISSUES SOLVES THE WEAR AND TEAR ON CLOSING ARMS AND THE NEED TO REPLACE WORN BUSHINGS. COMES COMPLETE WITH ARM, ARM STOP, SPRING, AND HANDLE.	
PR3131 (NEW TAIL PIECES) PR3142 (USED / WORN TAIL PIECES)		THIS KIT REPLACES THE BUSHING ON A CLOSING WHEEL ARM WITH A BEARING. IT CAN BE USED ON BRAND NEW PLANTERS AND ON PLANTERS THAT ALREADY HAVE SOME WEAR TO THE CLOSING WHEEL ARM.	
P86763	A86763 A61351 A69141 A93258	CLOSING WHEEL ARM FOR MAXI-MERGE PLUS, PRO, PRO- XP,1700,DB,1530 & 1535 GRAIN DRILLS	
P37552	1237340 AA3755 2	CLOSING WHEEL ARM FOR MODELS 1760, 1780, 7200 AND 7300 PLANTERS AND ATTACHMENTS	
123056	AA37839 AA31217 GA6056 123056	CLOSING WHEEL ARM FOR MODELS 7000, 7100 AND KINZE PLANTERS	
SI/PLT120 740	SI/M740	V-CLOSING WHEEL BRACKET, JD; JOHN DEERE 7200/7300/1700 W/BOLT ON CLOSING WHEELS	
SI/PLT120 730	SI/M730	V-CLOSING WHEEL BRACKET, JD; JD 7000/7100 (ACCEPTS JD BOLT ON CLOSING WHEELS). INCLUDES HARDWARE KIT	00000
P33879	AA33879 123113	ARM SUPPORT STOP FOR MODELS 7000, 7100 AND KINZE PLANTER. REPLACES NO. GB0113	C I
P53118	A53118	ARM SUPPORT STOP FOR JD 7300-1700	
P55889	A87426 A93256	ARM STOP. PLANTER SERIES MAXEMERGE PLUS, PRO, XP PRO, 1530, 1535	
P74643	A74643 123132	SPRING, HEAVY DUTY CLOSING WHEEL FOR MM+, PRO, OR PRO-XP	
P23116	A23116 123054	CLOSING WHEEL SPRING W/PLUG FOR <b>JD 7000</b> , <b>7100</b> PLANTER, ALSO REPLACES <b>KINZE</b> NO. GA2054.	
P55143	A55143	ARM PIN. FOR USE WITH (A69141) P86763 CLOSING ARMS	
P2204B	A2204	ARM BUSHINGS. FOR USE ON PIN WITH (A69141) P86763 CLOSING ARMS	
P52556	A52556	BUSHING FOR P37552 & P86763 CLOSING ARMS. FOR7200,7300,1760,1780 ,1700,1720XP, PLUS & PRO. HEAT TREATED.	
P254G		HANDLE FOR CLOSING WHEEL WITH BOLT ON WHEELS FOR JD AND KINZE	
P64237	A86762	HANDLE. CLOSING WHEEL FOR MAXEMERGE PLUS. PRO. XP PRO. 1530. 1535 SERIES PLANTERS.	

Remember: If you don't see your replacement part, call us for assistance

PART NO.	REP. OEM		
P58321	AA58321	8" COVERING DISC INCLUDES DISC, BEARING, BOLT AND HUB & SEAL. TAKES 5/8" NUT AND FLAT WASHER.	
	assure a pre	TLY PARALLEL LINKAGE ARMS Oversized bushings and cise fit. For JD 7-7100 & Kinze drill out linkage hole D 72-7300, 1700, XP no drilling required	
PL1000K PL2000K		.10 OVERSIZED - PARALLEL LINK REBUILD KIT BUSHINGS ONLY ALSO AVAILABLE .20 OVERSIZED - PARALLEL LINK REBUILD KIT	
P23789	A23789 GB0218	BUSHING FOR PARALLEL ARMS ON JD 7000- 7100, KINZE 2000SRS. HEAT TREATED $$	
TB95124	HARVEST INTL.	LASERPRO PARALLEL LINK ARM KIT FOR JD XP UNITS, NON-WEAR TAPERED LINK ARM BUSHINGS, & HYD. (PRECISION OR AGLEADER) DOWN FORCE READY MOUNT PLATE & REINFORCED GOALPOST.	NEW!
P49465		BUSHING USED ON LOWER PARALLEL ARM <b>JD</b> 7200,7300,1700	
P48515	A48515	BUSHING FOR MODELS:7200,7300, 1760,1780,	
P52092	U/62092	LOWER PARALLEL ARM STANDARD LENGTH 15-3/4" FITS 7200,7300,ME2,1760,1780	
C76223 (16") C65304 (23")		<b>BEARING INSTALLED</b> LOWER PARALLEL ARMS AVAILABLE IN STANDARD 16" AND 23" <b>XP &amp; ME</b> SIZING.	NEW!
EA16PAK	12068206	EXACT ALIGN PRO PARALLEL ARM ROW KIT FITS <b>JD XP</b> , ME5, AND ME+ PLANTERS WITH 15-3/4" ARMS. IT INCLUDES UPPER AND LOWER ARMS, PRE-INSTALLED 204 BALL BEARINGS, AND HARDWARE. <b>MADE IN USA!</b>	NEW!
P76223	U/86223	UPPER PARALLEL ARM STANDARD LENGTH 15-3/4" (2 USED / ROW)	
F00-028		SHORT 16" PARALLEL LINKAGE ARM WITH BEARING ASSIST. UPPER PARALLEL ARM, STANDARD LENGTH (15- 3/4") WITH BEARINGS IN PLACE OF BUSHINGS AT THE PIVOT POINTS. FITS MAXEMERGE2, PLUS, XP, XP PRO, ME5, EXACTEMERGE, 1530 & 1535 JD DRILLS.	NEW!
U/65085	AA55085	UNIT SHANK FITS <b>JD</b> ME+,PRO 1535 DRILL	
P48430	A48430 123723	R.H. CAM COLLAR BUSHING FOR P37552 ARM.	
P48290	A48290 123242	L.H. BUSHING FOR P37552 ARM.	
C53242	A53242 1236081	NON-ECCENTRIC BUSHING FOR COTTON CLOSING BACKEND	
C51723	A51723 1236082	ECCENTRIC BUSHING FOR COTTON CLOSING BACKEND	
C55888	A55888	CONCAVE BUSHING FOR NEW STYLE CLOSING ARM JD ME+, PRO, XP, PRO-XP, 1530, AND 1535, (WORKS WITH P69141 ARM)	
SCH/PWSJDK		PRESS WHEEL SCRAPER (PER ROW) AVAILABLE FOR JD, KINZE, GREAT PLAINS & CIH PRICES VARY SLIGHTLY BETWEEN BRANDS	
SCH/GWSJDK		GAUGE WHEEL SCRAPER W/POLY SCRAPER (PER ROW). AVAILABLE FOR JD, KINZE, GREAT PLAINS & ${\it CIH}$	
RK/BH4310	REQUIRES	MOUNT FOR GAUGE WHEEL MUD SCRAPERS FOR JD, KINZE, & WHITE PLANTERS.	
	TH PIECES	BLADE FOR RK/BH4310 SPECIFY TIRE STYLE: FLAT (OLDER PLANTERS),REGULAR PROFILE (MOST NEWER JD PLANTER) OR CIH (REDUCED INNER DIAMETER).	
<u> </u>			

PART NO.	REP. OEM#	DESCRIPTION & APPLICATION	
P26444	AA2644 4 123012L	LEFT HAND SCRAPER FOR MODELS <b>7000</b> , <b>7100</b> AND KINZE PLANTER DISC OPENERS	
P26443	AA26443 123012R	RIGHT HAND SCRAPER FOR MODELS <b>7000</b> , <b>7100</b> AND <b>KINZE</b> PLANTER DISC OPENERS	
P69139LH	AA35734	ARM FOR ROTATING SCRAPERS (LH)	
P69140RH	AA35735	ARM FOR ROTATING SCRAPERS (RH)	
P37221K	RS231K BA28945	ROTATING DISC SCRAPER KIT WITH NYLON COVERS. INCLUDES 2 WHEELS, SPRING AND LH-RH ARMS. FOR MODELS 1530, 1535, 1700, 1760, 1780, 7000, 7100, 7200, 7300, AND 7340	
P50047	A50041	SPRING FOR ROTATING SCRAPERS	
P37221	AA37221 RS221	ROTATING DISC SCRAPER WHEEL WITH NYLON COVER	
P62559		LH & RH TUNGSTEN CARBIDE SCRAPER BLADE (FITS ON YOUR SCRAPER ARM) SET INCLUDES ONE LH BLADE & ONE RH BLADE WITH CLIPS.	
P62559K	AA62808	TUNGSTEN CARBIDE SCRAPER KIT W/ARMS	
PSI198180K		SCRAPER KIT FOR 1705 TO 1795, DB44 TO DB120 PLANTERS.	
PSI199180K		SAME AS ABOVE TUNGSTEN CARBIDE	
P28970	BA28970	HEAVY DUTY DOWN FORCE, WITH SHORT ARMS FOR JD MM & XP PLANTING UNIT.	
P41116	A41116	SPRING, TORSION RIGHT HAND FOR HEAVY DUTY SCRAPER. 1700 PLANTER UNITS AND ATTACHMENTS	
P41117	A41117	SPRING, TORSION LEFT HAND FOR HEAVY DUTY SCRAPER. 1700 PLANTER UNITS AND ATTACHMENTS	
P62182	A62182	HEAVY DUTY SCRAPER FOR MODELS 7200,7300, 1760, 1780 PLANTER FOR USE IN STICKY SOILS	
P64447	A64447	PIN FOR P62182 HEAVY DUTY SCRAPER FITS MODEL 7200, 7300, 1760 AND 1780	

If you don't see the replacement part you need, call us TOLL FREE for assistance

### REPLACEMENT PARTS FOR JD NO-TILL DRILLS

PART NO.	REP. OEM#	DESCRIPTION & APPLICATION	1
P283730/R H	N284044 N284045	P283730 RH AND P283731 LH SEED BOOT 1 PC FOR 1560,1590, 1890 DRILLS (ONLY FIT 1590 AND 1560 THAT HAVE BEEN CONVERTED TO THE 1 PC BOOT ) HARDENED	
P283731/LH		AND HEAT TREATED ON LEADING EDGE	
P214510/R H P214511/LH	AN214510 AN214511	TORSION SPRING FOR PRESS WHEELS AND CLOSING WHEELS. P214510 RH P214511 LH, FOR USE ON 750 AND 1850.	
P282218/R H	N282218 N282219	PRESS WHEEL SPRING, P282218 RH & P282219 LH USED ON MODELS 1560, 1860, 1690, 1890, 1895, 1590, 1990	0
P282219/LH P283994 P283995	N283994 N283995	TORSION SPRING, P283994 RH & P283995 LH USED ON MODELS 1560, 1860, 1890, 1895, 1590, 1990	
P282117	AN282117	DEPTH SHAFT ARM USED ON MODELS 1560, 1860, 1690, 1890, 1895, 1590, 1990.	
GD71104	TY201 M71104	TUBE FOR SEED & FERTILIZER, FITS 750, 1560, 1590 DRILL AND 8100-8550 W/ DBL. DISC OPENER	
C185WS60		CURVED POLY STRAP FOR 2 PC 1560, 1860 SEED BOOT	
C185WS		POLY STRAP TO PREVENT SEED BOUNCE MOUNTS TO THE BACK OF THE SEED BOOTS ON MODELS 750, 1590, 1890, 1895, 1990	•
C145WS		SAME AS ABOVE HEAVY DUTY	
BLUESEEDFLAP		SAME AS ABOVE BLUE EXTENDED WEAR	
SCH/9PRESS		STAINLESS FERTILIZER TUBE RUNS OVER AND BEHIND THE SEED PRESS WHEEL. FITS ON MODELS 750,1560, 1590, 1860, 1890 & 1990. RH OR LH. USE W/ A 9" PRESS WHEELS FOR BEST RESULTS.	
JDFIN6/SDXFIN		PLASTIC REPLACES THE TRADITIONAL 1" WIDE SEED FIRMING WHEEL. PROVIDES CONSISTENT SEED DEPTH. JD 50, 60, AND 90 SERIES OPENERS, AND CASE SDX AIR DRILLS.	
SCH/DOJD & SCH/SSTJD SPECIFY 750/1990		SCHAFFERT REBOUNDER WITH CHAD'S TUBE SS LIQUID FERTILIZER TUBE. FITS SEED BOOTS ON MODELS 750 & 1990 DRILLS.	
P282118	AN282118	SPINDLE, RIGHT HAND FOR GAUGE WHEEL ARM MODELS 1560, 1565, 1590,1690,1835,1860,1890, 1895,1990 (HAS LEFT HAND THREADS)	
P282119	AN282119	SPINDLE, LEFT HAND FOR GAUGE WHEEL ARM MODELS 1560, 1565, 1590,1690,1835, 1860, 1890, 1895, 1990 (HAS RIGHT HAND THREADS)	
P281241	AN281241	SEAL, TRIPLE LIP. USED ON THE BACK SIDE OF THE SEED HUB ON MODELS 1560, 1565,1860,1690,1890, 1895, 1590, 1990	0
P280648	N280648	TOP INNER BUSHING FOR CLOSING WHEEL ARM ON 750, 6100 & UP, 1560,1590,1860,1890,1895,1990	
P282536	N282536	INNER/UPPER PIVOT PIN FOR OPENER ARM. REPLACES JD N282536. USED ON MODELS 1560, 1565, 1860, 1890, 1895, 1590, 1990	
NH-V8		MATCHES TAPERED PROFILE OF THE JD SINGLE DISC SEED SLOT. PRESSES SEED INTO MOISTURE WHILE THE FLEXIBLE AND DURABLE URETHANE TIRE HELPS SHED MUD. THESE 10" IN DIAMETER WHEELS ARE SHIPPED WITH A LOW PROFILE HEAD BOLT, NYLON LOCK NUT & WASHER. (BEARING IS WIDER)	

### REPLACEMENT PARTS FOR JD NO-TILL DRILLS

PART NO.	REP. OEM#	DESCRIPTION & APPLICATION	
P283636	N283636	OUTER/UPPER PIVOT BUSHING FOR OPENER ARM. USED ON MODELS 1560,1565,1860,1890, 1895,1590,1990	
P219547	N219547	OUTER BUSHING FOR CLOSING WHEEL ARM. 2 USED ON CLOSING WHEEL ARM AND ON OPENER ARM. FITS 750,3835 & UP, MODELS 1560,1565, 1860,1890, 1895, 1590, 1990	
P284055	N284055	LEAF TENSION SPRING. REPLACES JD 280485 USED ON 750,1560,1565,1590,1690,1850,1860, 1890, 1895, 1990	6
P5203KYY2	AN212132	BEARING FOR CAST CLOSING WHEEL ARM FOR 1560, 1590, 1690,1850,1860,1890,1895,1990	0
GW416102C		4.5X16 CARLISLE GAUGE WHEEL ASSY GROOVED STEM BEARING WITH STEEL INNER RIMS AND NYLON OUTSIDE RIMS FITS 750,1560,1565, 1590,1690,1850, 1860,1890,1895, & 1990	
P203KRR2	AN142670 AN281357	BEARING USED IN THE H11031 ASSEMBLY.	9
P750K		BEARING KIT FOR SINGLE DISC OPENER CONSISTS OF BEARINGS, CUPS(2), SEALS(2), RETAINER, O- RINGS, COTTER PINS. FOR SINGLE DISC OPENER MODELS 750 & 1850	(CC)
#13294	B13294	SEAL ONLY FOR 750K KIT. USE IN 750-1890 SINGLE OPENER HUB	0
219000	N219000	RETAINER ONLY FOR 750K KIT. 1 USED/HUB. USE IN 750,1560-65-90,1690,1860-95, 1990	0
P280725	AN280725	OPENER SPINDLE WITH DEPTH ADJUSTMENT PLATE FOR JD NO TILL DRILLS 750 & 1850	
P282374	AN282374	GAUGE WHEEL ARM FOR JD NO TILL DRILLS 750 & 1850	

### TALC, GRAPHITE & GRAPHITE TALC

30LB BUCKET PLANTER TALC (NO GRAPHITE) PT30P





8LB JUG PLANTER TALC

(NO GRAPHI 8LB JUG 80/20 PLANTER TALC (W/GRAPHITE) 9068





1LB BOTTLE GRAPHITE POWDER 99601

 $\begin{array}{lll} \text{8LB JUG 50/50 PLANTER TALC} \, (\text{W/GRAPHITE}) \\ \text{(FORMULATED FOR CNH PLANTERS)} & 9058 \end{array}$ 



Emar .

5LB JUG GRAPHITE POWDER

) 99605 1/8 CUP SCREW-ON MEASURING LID GDC8



### JD & GP GRAIN DRILL & AIR SEEDER PARTS

PART NO.	REP. OEM#	DESCRIPTION & APPLICATION	
P280447	N280447	LEFT HAND HEAT TREATED, DUCTILE IRON SEED BOOT FOR 750 & 1850 JD DRILLS	
PSI280317		SAME AS ABOVE-WEAR-COAT TREATED	
P280446	N280446	RIGHT HAND HEAT TREATED, DUCTILE IRON SEED BOOT. FOR 750 & 1850 JD DRILLS	
PSI280316		SAME AS ABOVE-WEAR-COAT TREATED	
P283432 R P283433L	N283432 N283433	SEED BOOT RIGHT- OR LEFT-HAND LOWER. FOR 1560,1565, & 1860 NO-TILL DRILLS	
P282788 R P282789L	N282788 N282789	SEED BOOT RIGHT- OR LEFT-HAND UPPER FOR 1560, 1565, & 1860 NO-TILL DRILLS (CONNECTS WITH 5/16X1-3/8 BOLT)	
N/18X5JD750		18" FLAT SEEDER BLADE .197" THICK WITH FOUR 3/8" HOLES ON 4-2/8" CIRCLE, FITS MODEL 750,	
WP/N283804BA	N214190	1560,1590,1690,1850,1860,1890,1895,1990 ALSO FITS THE 885 & 886 CULTIVATOR	
P213072	AN213072	GREASE SEAL FOR 750 & 1850 DRILL (EARLY 750 W/UPDATED WHEELS, FITS CAST750 CLOSING WHEELS	
P213544	AN213544	HUB WITH CUPS FOR SEEDER BLADE ASSY. FOR 750 GRAIN DRILL AND 1850 AIR SEEDER	
P283291A	AN281856 N283291	HUB W/ DOUBLE ROLLER BEARING (P281813) AND SNAP RING FOR JD 1560, 1590, 1690, 1860, 1890, 1895, 1990CCS	
P281813		BEARING FOR P283291A HUB	
CW750 R CW750L		CLOSING WHEEL UPDATE FOR JD 750 & 1850 DRILLS. INCLUDES WHEEL, ARM, BEARING & HARDWARE. SAME DESIGN AS THE NEWER 60 & 90 SERIES DRILLS. FOR 750 DRILL SERIAL #6001+ & ALL 1850'S	<b>Y</b>
CAST750	AN213060	CAST IRON CLOSING WHEEL FOR JD 750 & 1850 NO-TILL DRILL INCLUDES 6203-2RS BEARING	
CAST1890	AN213060	CAST IRON CLOSING WHEEL FOR JD 1560,1590, 1690, 1860,1890, 1895 & 1990 DRILL	
P38447	AA38447	1X10" CLOSING WHEEL ASSY. FITS 750 (SN5282 & UP)1560-65-90,1690,1850-90-95 & 1990	
P282296	AN228296	1X10" CLOSING WHEEL ASSY. PLASTIC HALVES WITH <b>TAPERED TIRE</b> & GC206KRR2C3 BRG. FITS 1535,1590 & 1860	(a)
P135GP	GP#107- 054S P#107-229S	13-1/2"X 3.5MM <b>GREAT PLAINS</b> Disc Opener Assembly. Blade w/hub, HD 205 bearing & dust cap.  Blade has depth band holes.	

CALL US FOR ALL YOUR GREAT PLAINS PARTS NEEDS! IF WE DON'T HAVE IT IN STOCK, WE WILL BE HAPPY TO ORDER & SHIP TO YOU!

### SHIELD AG / ACRA PLANT

## WD V-SIOT

### **ACRA-PLANT V-SHOT** In-Furrow Fertilizer

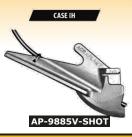
Now you can HAVE IT ALL!!

ACRA-PLANT V-slice's proven technology eliminates seed roll-and-bounce to assure uniform and accurate emergence, and apply starter fertilizers and other precision-ag chemicals where they belong, below and beside the seed.











\*AP-1785V-SHOT FITS DEERE
MaxEmerge PLANTERS BUILT BEFORE
2006 AND KINZE 2000. ALSO AVAILABLE
FOR KINZE 4000 AP-4985V-SHOT AND
WHITE PLANTERS (6000,8000 AP1685V-SHOT) (9000 AP-1690V-SHOT)

FITS DEERE XP, PRO XP, AND ME5 PLANTERS.

SOLID CHROME V-SLICE

- INTEGRATED FERTILIZER TUBE
- INCLUDES REQUIRED HARDWARE AND FITTINGS TO HOOK UP TO PLANTER LIQUID DELIVERY SYSTEMS
  - INCLUDES P55984 SEED TUBE CLIP

# ELUIPMENT

#### ACRA-PLANT V-SLICE INSERTS

Time-tested and improved V-slice inserts for your row crop planter. Maintains seed-to-soil contact in the toughest planting conditions, keeps seed trench depth constant and free of dirt and debris, while protecting your seed tube.

The V-Slice maintains even spacing and uniform depth of each seed in the row allowing for FASTER, MORE EVEN GERMINATION OF SEED.

AP-001985XP

V-SLICE INSERT FOR JD 1700-SERIES XP UNITS

- Designed to replace OEM seed tube guard
- No hardware required, bayonet mount

AP-009885

V-SLICE FOR CIH PLANTERS 1255 SERIES



AP-001785

V-SLICE INSERT WITH PIN/BOLT JD & KINZE 2000

- Designed to replace OEM seed tube guard/ inner scraper
- Spring pin and bolt/nut provided with insert



P55984

**SEED TUBE CLIP** 

 Recommended for use with all applications of AP-001785 and AP-001985XP



### SEED FIRMERS & IN-FURROW FERTILIZER

GREAT FOR SEED PLACEMENT OF CORN & BEANS IN HEAVIER SOILS WITH OR WITHOUT RESIDUE. Order With Tubes to Apply IN-FURROW Fertilizer or INOCULANTS

100101	DRY TAIL FOR JD & KINZE SEED TUBE MOUNTED	\$31.50
100104	SAME AS ABOVE W/ SINGLE LIQUID TUBE	\$32.50
125012	DRY TAIL W/ UNIV. MOUNT FOR JD	\$34.00
125013	DRY TAIL W/ UNIV. MOUNT FOR KINZE	\$34.00
115011	DUAL TUBE W/UNIV. MOUNT FOR JD	\$34.00
115012	DUAL TUBE W/UNIV. MOUNT FOR KINZE	\$34.00
126009	SHORT LOW PROFILE	\$34.00
126008	SHORT LOW PROFILE W/ UNIV. MOUNT & TUBE FOR JD	\$34.00
150109	QUICK ATTACH BRACKET (NON EXACTEMERGE)	\$20.00
140044	QUICK ATTACH BRACKET KEETON TAIL (LOW PROFILE)	\$20.00
140045	QUICK ATTACH KEETON TAIL (STANDARD)	\$20.00
141180	QUICK ATTACH BRACKET FOR EXACTEMERGE	\$75.00



Keeton **seed** FIRMERS FOR

#### **DRILLS Available for**

Crustbuster, Great Plains, International Drill, JD, Krause, Sunflower Drill, and Tye

REPLACEMENT TAILS AVAILABLE FOR ALL KEETON UNIVERSAL MODELS AND FOR DRILL MODELS QUICK ATTACH BRACKETS ALSO AVAILABLE FOR JD, KINZE & WHITE



FurrowJet is a planter fertilizer attachment which enables you to place an in-furrow starter fertilizer and dualband of fertilizer 3/4" on each side of the seed.

By being near-furrow, this placement gives the seedling and crown roots

Immediate access to the nutrients Combined with accurate placement, FurrowJet allows a wide range of starter rates to be applied safely

While avoiding seed burn risk

#### STARTER FERTILIZER DELIVERY SYSTEMS

CUSTOMIZED SYSTEMS THAT START WITH A 12V PUMP

See page 37



**IN-FURROW KITS!** 

Keeton's Tubed Seed Firmer, Schaffert Rebounders, Totally Tubular or Shield V-shots and can be used in conjunction with the MicroTrak <u>Spray-Mate</u> for accurate and consistent application.

**OPTIONAL:** Works great with

**WE ALSO CAN BUILD** YOU A SYSTEM AROUND **YOUR PUMP OR SPRAY CONTROLLER!** 

ADD 2# IN-LINE CHECK VALVES TO PREVENT DRIPPING AND KEEP LINES FULL, SO YOUR PRODUCT IS READILY AVAILABLE WHEN YOU TAKE OFF



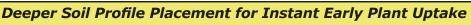
FIRMER WITH LIQUID FOR JD ME & EXACTEMERGE w/SPEED TUBE FR425/555

flo-rite

HERSCHE







This simple yet effective design is totally protected by the disc blades

The 3/8" stainless tube will easily outlast the disc scraper. The optional seed bounce flap closes the opening between the disc openers assuring correct seed placement & eliminates seed bounce.

TT007 JD 1700 Maxemerge 5 TT009 JD ExactEmerge

We recommend replacing discopeners when vou install these fertilizer tubes



**MONOSEM** 



TT002

JD-7200-1700\*



**Behind Closing Wheel** 

JD 60/90 Series Drill

\*Available for JD7-7100 & Kinze 2000, Kinze 3000 , CIH , & Great Plains

## Schaffert PLANTER ATTACHMENTS

CONDITIONS WHERE SEED BOUNCE IS A PROBLEM.

### $\operatorname{\mathtt{t}}\mathsf{G2}$ FERTILIZER DISCS FOR V-PRES



- 2" X 2" placement 8" SINGLE Disc
- Triple seal bearing **EASY** bolt-on design
- -Fits most JD, Kinze, Great Plains & Monosem Adjustable for optimal disc depth

Center pivot walking beam equalizes pressure between the V-press wheel and disc

### FERTILIZER DISCS FOR JD

- EASY bolt-on design
- 2" X 2" placement
- Triple seal bearing

8" Dual Discs

For JD Cotton Closing Back-End







FOR JD, KINZE EdgeVac & Great Plains w/Clear-shot Mounting brackets available for Wavevision, Bullseye, Speedtube, & JD Exactemerge. **Super Tuff (Orange)** 

Rebounder kits for WaveVision seedtubes. Rebounder kit for QuickAttach

seed firmers & Case IH 1200

(some requiring brackets) JD, CASE, GREAT PLAINS, CRUSTBUSTER SUNFLOWER, TYE, LANDOLL, FLEXICOIL, & KRAUSE

Available for Drills

### ASK ABOUT OUR IN-FURROW KITS!

### **G2 FERTILIZER DISCS FOR CASE IH**



- 2"x2" placement
- Uses existing 8" Cover Disc
- RH & LH Tube
- Formed, compact stainless tube mounts direct to row unit. NOT to cover discs
- Fertilizer hose attaches high up on planter

### *GX2* PUMP SYSTEM



The Schaffert fertilizer application system is uniquely designed and assembled to meet individual customer needs. The GX2 distribution center has dual pumps for maximizing desired fertilizer application rate. Made in the USA this bolt and go manifold specializes in fungicide, In-furrow starter, insecticides, and 2x2 nitrogen solutions.

### ZIPPER SPIKED CLOSING WHEEL

-Feather soil into seed trench w/ angled spikes -Zips furrow tightly shut while leaving room for seedling emergence

-Use left or right or both -Long lasting die cast metal Aggressively closes row

-WORKS GREAT WITH G2 FERTIL

### **ZIPPER CLOSING WHEEL**



New all-cast Zipper & Mohawks Eliminate build up of mud due to having plastic rims. These wheels prevent wet soil from sticking to the flat spots in-between the teeth.

### **4LINK CLOSER**



-Keeps the pitch of your closing wheels from changing with 6" of vertical travel.

-Allows for consistent fertilizer placement and furrow closing.

-High adaptability for most planters and seed drills \$550/row link only

### CAST SPYDER CLOSING WHEEL



### STARTER FERTILIZER

HAWKIN5

The Hawkins 'NForcer™ injection system combines a coulter and shielded injection point to create a high speed, low horsepower liquid application method. Pneumatic airbags provide quick and accurate down pressure. The unique

design creates precision placement while maintaining minimal disturbance and moisture loss. Use the 'NForcer™ to precisely place liquid fertilizer at depths set by blade adjustment in all

> soil conditions. The 'NForcer™ design is an effective solution in high residue without plugging or pinning.

The Hawkins 'NForcer™ can be utilized in a variety of applications and conditions including the Hawkins Planter 'NForcer™ for accurate placement of fertilize at a depth of 0"-5" & horizontal adjustments of up to 8".

### 2969 INTELLINJECT FERTILIZER OPENER

Consistent placement on both sides of the seed

- Places liquid fertilizer behind the planter closing wheels
- Follows the ground contour during planting
- Air cylinder allows in-cab adjustments to downforce or allows unit to raise when not in use
- Provides placement of fertilizer up to 11/2" deep and 2"-3" off the row
- Drag chain helps close the disc opening and cover the seed trench







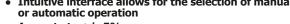
Works well mounted in between JD twin row planter units

Because Nutri Mate 3™ is mounted to the row unit, the planter parallel links let it float and the unit gauge wheels provide depth control so nutrients are precisely placed in relation to the seed.

Easily mounts to row units on JD, Kinze, **Great Plains, White and Case-IH planters** 

## DURA PUMP EASY CADDY





- Accurate to +/-.5%
- Meter capacity is 2 to 22GPM
- High-flow pump with up to 15GPM flow rate
- Optimized for repeatable batching; returns to the last volume amount dispensed
- 100% moisture sealed circuitry
- Includes Dura-Meter™ with impact and
- moisture resistant Lexan™ faceplate
- Calibration has 5 manual saves; 21 preset
- Available in 12 Volt or 110 Volt, and EPDM or Viton® options
- Features a 2 year warranty





READORAUTOSHUT-OFF

The programmable flow-meter reads from 5 to 106 gpm and has a backlit display. Uses a Shut-off valve with stainless steel ball and 2" threaded male connectors, coupled with transport handle and 32.8 foot power cable, on a 12 Volt DC meter.

Transportable **Tank Filling** System



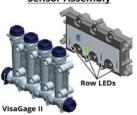
## CDS-JOHN BLUE LIQUID & NH3 BLOCKAGE MONITOR





Magnetic Sensors mount behind the VisaGage II Flow Monitors.
These can be mounted on existing VisaGage new magnetic balls are supplied. The system identifies where these balls are floating in each row during application.

Sensor Assembly



WORKS IN LIQUIDS TOO DARK TO SEE THROUGH!

### KNOW THE FLOW! IN CAB RATE MONITOR.

### Shows Both Low-flow & No-flow Rows

- The monitor shows both a visual display and an audible alarm.
- Not affected by cloudy or dark solutions, visual LED is to the side of the column.
  - LED flashes at row until blockage is corrected, then it resets automatically.
- System will "pause" if you can't correct the problem immediately.
- iPad App is free at Apple App Store and Google Play.

(Requires iPad2 or newer & latest iOS)

COMPATIBLE ON Ipad TO RUN ADJACENT WITH PRECISION PLANTING FieldView (pg.10)

Wireless Premium
12ROW & 16ROW
setups available
Includes Interface &
VisaGage II Monitors.
Does not include iPad
(Wired also Available)

ISOBUS COMPATIBLE! 12Row \$2585 Avg. Price



### VisaGage II Monitors

COLUMN OF 4 1/4" QUICK CONNECT

# **DJOHN BLUE**

3" Cast SP PUMP w/13HP HONDA ELECRIC START & RUN DRY SEAL FILLS BIG TANKS IN A HURRY!



2" Poly Wet Seal SP Pump w/5.5 HP Honda



Hydraulic Drive Piston Pumps FULL IN-FURROW KITS AVAILABLE FOR JD, CASE. KINZE & MORE!

12-Volt Speed Controller & 4.8gpm Electric Pump



-IN THE CAB EASILY READABLE DIGITAL PRESSURE DISPLAY. -ON/OFF SWITCH WITH POWER INDICATOR LAMP -GREAT FOR IN-FURROW!

## **AUTOMATIC RATE CONTROLLERS**

### **SprayMate**<sub>™</sub>II



## Simple Precision!! At a Great Price!

Must have GVS Speed Sensor or tractor speed cable.
Can be used with EMD to control 12v pump

- Single rate controller for up to 3 separate boom sections with Master control
- Standard On/Off power switch
- Complete with ¾"poly flowmeter, 1" flow control valve, and wiring
- Does NOT include boom control valves or speed sensor

SprayMate Plus can replace Raven 440 consoles with 5v to 16v 2011 & newer flowmeter. Order kit # 02026

### RATE KING Dual Plus Display & Dual Rate

### Automatic Liquid dual rate system

Includes: console,2 flowmeters, GVS speed sensor, 2 servo valves, cables, & installation hardware.





- Controls 2 separate spray systems
- Speed, tank level, or area per hour can be seen on second display.
- Built-in boom controls for up to 5 separate boom sections.
- Compatible for VRA &as-applied maps.
- Customized Options Available

### Electric Motor Driver

**12VOLT PUMP FLOW CONTROL** 

Model #01757 or #01758

Precise, Accurate & Effective Control of the Application Rate

Micro-Trak's Pump Driver (EMD) enables all Rate Controllers (SprayMate™ II, MT-2405™F II, MT-3405D™F II, MT-3405™FII, MT-9000™, Topcon, G52, Trimble, Raven and AgLeader Third Party Adapter Kits) to control the rate of flow by regulating the speed of a 12 volt pump.

The EMD replaces the electric servo valve and will control most 12v pumps up to a max of 40A.



The EMD can be purchased as part of a customized kit complete with control console, speed sensor and flowmeter, or add to one of MicroTrak rate controllers

## **FLOW MONITORS**

### Calc-An-Acre II

Accurate Speed, Distance, & Area Measurement at an Affordable Price



### SEE US FOR ALL YOUR MONITOR REPAIR NEEDS

- Wide range of use—sprayers, ATV's, trucks etc.
- Front panel is lighted & display is backlit for easy viewing at night
- Records up to 3 independent jobs
- Displays ground speed to tenths of mph
- Area per hour & accumulated hours function
- Allows active boom sections & partial tillage passes
- Push-button run/hold feature to stop area count when turning on ends & moving between fields
- Optional remote run/hold kit available for hands-free operation
- Weather resistant console & weatherproof connections
- TRIPLE counters for volume and area
- Track tank volume
- Tank alarm standard
- No Flow" and "No Speed" warning messages
- Output control to turn a valve or pump on & off for batch control

The Flow-Trak II provides a complete picture of critical spraying functions and an accurate record of work done.

## FlowTrak II



### MicroTrak ELECTRONIC FLOW MONITOR NO MORE LOOKING OVER YOUR SHOULDER TO CHECK FOR BLOCKAGES!





SIMPLE
POWERFUL
TRUSTED
PROTECTION

AUDIBLE ALARM
+
VISUAL DISPLAY



-ELECTRONICALLY DETECTS FULL BLOCKAGES
-NOT AFFECTED BY DARK OR HEAVY
SOLUTIONS

-<u>IN-CAB</u> DISPLAY PERFORMS DAY OR NIGHT. -MAY NEED EXTENSION CABLES DEPENDING ON SENSOR LOCATION. 12, 16 & 24 row options

#### OPTION AVAILABLE TO WORK WITH Isobus JD GREEN STAR MONITORS

ISO mod™ allows existing virtual terminal to display SafeGuard information Such as John Deere, Case, Trimble, Ag Leader, Topcon and others.

## SPRAY & NH3 CONTROLLERS

### **RAVEN 450 Automatic Rate Controller**



### RAVEN

The 450 can meter NH3 with Proper Components

### SCS-450 for up to 6-BOOM Sections

Liquid Kit Includes: Console w/serial interface (063-0171-220) · 1½" Poly Control Valve, 175 PSI (063-0171-894) · RFM 60P (1-60gpm) Poly Flowmeter (063-0171-985) · 12 FT. FLOW CONTROL CABLE · 12 FT.CONSOLE CONTROL CABLE DOES NOT INCLUDE SPEED SENSOR or GPS Interface Cabling.

SCS-450 is VRA & Data Log compatible

Holds 2 pre-programmed application rates it maintains, regardless of changes in speed. Manual changes can be made with the flip of a switch.

**Accuflow Vortex System for NH3 Application** 

50 & 80 GPM for NH3 Application

Both models use super cooling technology to stabilize NH3
as a liquid for superior accuracy and control. This preassembled system is the epitome of time savings. The
AccuFlow™ Vortex allows you to apply more anhydrous
at faster speeds and cooler temperatures, with
less weight on the toolbar. For even greater

capacity and precise application, utilize the AccuFlow™ HP Plus System, which includes the Vortex cooler and a dynamically controlled pump. The unique AccuFlow™ HP Plus pump is designed for maximum performance and safety.

117-0171-571 Vortex HP+ 80 GPM NH3 Kit, Dual Inlet w/Hydraulic Pump, Fast Valve (PICTURED) 117-0171-574 Vortex 1.5" 50 GPM NH3 Kit, Dual inlet, 2 Valve System



The Agres ISO 30 works as a virtual guide, which will control the layout of the machines in your cultivation area, navigating in parallel paths, regardless of whether the route starts on a straight or curve, requiring only one start point and another end.

The system allows diverse field operations to be carried out, such as preparing the soil, planting seeds, cultivating the plantation and harvesting the crops. Thus, with the information generated and stored in ISO 30, you can manage your entire agricultural operation in a more effective and strategic way, in order to improve your productivity.

#### **FEATURES**

- Navigation on straight or curved parallel lines
- Control of break points and activity restart
- Recording of routes and maps of areas covered
- Real-time calculation of areas covered by the machine
- Record speed, distance and operating time
- Importing the guides project
- Storage and downloading of all recorded data

## WAVEVISION™ SENSOR & BULLSEYE SEED TUBE

**WaveVision sees through** seed treatments, dust & debris!

Making sure you get an accurate count! Works with 20/20 SeedSense or with your OEM monitor\*

700200 Bullseye Seed tube w/WaveVision for JD7200, 7300 &1700

\$195

700250 Bullseye Seed tube w/WaveVision for JD7000, Kinze & GP

\$195

700260

**Bullseye** Seed tube w/**WaveVision** for Monosem

Seed Sense \*(Required for more than 12 rows)\*

17-5

(700290) **700266** 

**WaveVision** Power Module—for JD planters without 20/20

\$650

**BullsEye** seed tubes fix 2 problems: a recessed sensor fixes seed ricochet and tungsten carbide inserts stop premature wear.

WaveVision

#### Bullseye Seed tubes with chromium carbide inserts

**700150** John Deere(FOR JD 7000, KINZE, GREAT PLAINS) **700160** John Deere(FOR JD 7200,1700,17XS,KINZE 3000)

\$16.50 \$16.50 \$16.50

700287 Monosem

### **Standard Seed Tubes and Drill Tubes Available**

The **SENSOR-1** <u>Seed-Flow</u> Planter Sensor (PS-WP or 3W) "Flicker" style Lets you know whether the row is planting or not. Seed Flow Sensor has 3-Wire or WeatherPack ends. Sensor only \$66.30

The SENSOR-1 Hi-Rate <u>Population</u> Sensor (HRPS-WP or 3W) "Counts seed"

Best for high dust & high seed counts. <u>Population Sensor</u> has 3-Wire or <u>WeatherPack</u> ends

Sensor only \$130.00

### **Planter Monitors & GVS**

PMPOP-#rows)

\$1045.00

1-16 Row Population Monitor: Designed to monitor the population and seed flow of your planter or drill. Extra bright LED lights with two display modes. Displays real & avg. population, MPH, field & total acres and seed spacing. Hopper sensor capable.



\$1250.00

1-24 Row Population Monitor: LCD multi-display screen with hopper sensor capability. Adjustable alarm, scan rate & failure time.



PMSF-(#rows)

\$890.00

1-16 Row Seed Flow Monitor: Detects clogging tubes, extra loud alarm volume, extra bright LED lights with two display modes.

Most planter wiring harnesses approximately \$50 per Row Complete planter system packages are available in 4 - 24 row!









### MICRO-TRAK<sup>®</sup> SYSTEMS, INC.

The Astro GVS Speed Sensor. Replaces other sensors and interfaces to most brands of monitors and controllers, magnetic mount & reliable.

STARTING AT \$350.00 TO \$630.00\*

DEPENDING ON WHAT DISPLAYS AND CONNECTORS ARE NEEDED\*

## **MOUNTED & STATIONARY TANKS**



Venturi ffhith Cleanload & Handler and bulk draffhcapabilities

Emptifilia the filtenturi or filia direct pump draffh

- Large hinged lids & camlock connections
- CfcloRinse™ & ProClean bottlerinses
- Chem-Blade compatible (included on HANDLER II)
- Large-capacith40 or 60 gallons

2"/3" fflæntur i sfløtems









**BOTTOM TANKS UP TO** 10,000 Gallon

CONE

## SPECIALTY SYSTEMS



Pull seed tender, or desired trailer, behind skid using rearintegrated

receiver hitch and rear RV hook-up

### **DUAL TANK MOBILE STATION**

\*STANDARD FEATURES\*

#### Standard lengths of 40 FT or 42 FT

(custom lengths available)

42' has a 15' x 102" wide working deck space Tandem axle configurations in spring or air-ride New 25,000 LBS rated axles (16  $\frac{1}{2}$ " x 7" brake)

- Hutchens spring suspension with heavy duty springs
- 1 1/8" apitong floor (on working deck)
- PPG epoxy primer and black polyurethane paint
- Grote sealed wiring system with rubber mounted LED lights
- Jost 2-speed H.D. landing legs
- Aluminum front fenders and poly rear fenders OPTIONAL FEATURES
- Spread axle or tri-axle available
- Ridewell air ride optional with suspension
- Two 2,610 Gal. Norwesco 100% drainable tanks with sight tube.(3210 Gal. Available)
- Ladders for tank access
- Plumbing to meet your application needs
- Rinse Systems
- Wet Seal Pumps
- Two 60 Gal. Mix tanks
- 3" Hose reel
- 3" Cast wet seal 13 HP. Electric start Honda pump



## *TeeJet*-TECHNOLOGIES

### Reliable Detection of Plugged Tips in a New, ISOBUS Compatible Design

Plugged or partially blocked spray tips can have a significant impact on the quality of your application. Streaks in the field caused by misapplication can result in yield reductions, increased weed pressure and the need to re-apply - all of which can be costly. The Sentry 6141 Tip Flow Monitor provides a simple, reliable solution to this age-old problem. Flow sensors mounted at each spray tip location monitor the flow through the tip and provide instantaneous feedback to the operator should a tip become clogged. By eliminating the need to detect plugged tips visually from the cab, operators can cover more acres in a day, and know, with confidence, that their sprayer, planter or fertilizer applicator is operating properly.



SENTRY 6141
ISOBUS TIP FLOW MONITOR

### **UniPilot Pro Adapts to Your Field Conditions** and Your Location

UniPilot Pro uses the very latest technology to compensate for rough terrain and tough field conditions. Three different sensors each measure machine dynamics in three axes - that means 9 axes of measurements happening hundreds of times each second.

Additionally, the UniPilot Pro system can be equipped with a steering angle sensor to further improve accuracy.

UniPilot Pro is also ready to take advantage of any level of GNSS accuracy. Higher levels of GNSS accuracy will always improve steering accuracy, but stable, reliable steering is available with basic SBAS (WAAS or EGNOS) GNSS receivers. From autonomous to RTK, choose the level of GNSS precision needed for your application, and UniPilot will steer the machine with accuracy, every time.





SPRAY TIPS & DROPLET SIZE*	HERBICIDES		FUNGICIDES		INSECTICIDES		
XF VF F M C VC XC UC	SOIL APPLIED	POST-EN	SYSTEMIC	CONTACT	SYSTEMIC	CONTACT	SYSTEMIC
AccuPulse TwinJet  APTJ  VARIABLE RATE TIP	EXCELLENT		EXCELLENT				
Turbo TeeJet		EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
AIXR TeeJet	VERY GOOD	EXCELLENT	VERY GOOD	GOOD	VERY GOOD	VERY GOOD	EXCELLENT
Air Induction TeeJet	VERY GOOD		EXCELLENT		GOOD		VERY GOOD
Turbo TeeJet Induction  □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	EXCELLENT		EXCELLENT				
TTI TwinJet → TT160	EXCELLENT		EXCELLENT				
XR, XRC TeeJet*  XR & XRC		VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
Turbo Twinfet*	GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
AI Turbo TwinJet	VERY GOOD	VERY GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
AI3070 AI3070				EXCELLENT	VERY GOOD		
StreamJet SJ3 & SJ3-VR SJ7A & SJ7A-VF	PTC-VR Push-to-Connect Metering Assembly				FERTILIZER		

### **GREENLEAF & BANJO PARTS**

Low Pressure AirMix

110° High Pressure **Full Ceramic -TDCFFC** 



5-90 psi Overall pressure range. **Estimated life** (60' boom, 20" centers) 15,000-20,000 acres

### Spray 4 Times In Only 1 Pass! 110° Med. Pressure

TurboDrop XL TDXL

Medium pressure flat fan 20 - 120 psi Overall pressure range 30 - 90 psi Optimal range.



### **Med. Pressure TurboDrop DualFan TADF**

Dual 110° Flat Fan Multi-purpose nozzle The 50° higher flow rate rearward spray of the TADF is designed to improve backside coverage. The 10° forward spray will provide a combination of penetration and front side coverage. 20 - 120 psi Overall pressure range 30 - 60 psi for Systemic Chemicals 60 - 120 psi for Contact Chemicals

#### **High Pressure Full Ceramic** TwinFan TDAT



40-150 overall pressure range 60-120 optimum range 50-80,000 acre estimated nozzle life (60' boom, 20" centers) Polyacetal body with high quality ceramic metering and pattern orifices

### SprayMax DualFanDF

Extended range flat fan tips in an asymmetric dual cap. Oriented 10° forward and 50° rearward to maximize coverage, the nozzles may be alternated on the boom to provide four angles of spray orientation into the canopy.



### Med. Pressure TurboDrop D Version TDXL-D/TADF-D

Excellent for DICAMBA & 2,4-D Rate Controllers allow wide pressure range & speed variations. More Spray on Target Dramatic reduction of off-target movement, even in higher winds. 30 - 150 psi Overall pressure range 30 - 120 psi Optimal range.

Course **Droplet** for **Max Drift** Control



MANIFOLD LINE STRAINER LSM300-50 3 " Manifold Line Strainer 50 Mesh Screen (Also available in other sizes.)





### POLY PIPE FITTINGS



Pipe & Manifold Flange Fittings Available!















We carry all sizes from 3/4"- 4" A full line of pipe and manifold Fittings in poly or stainless If the item that you need isn't listed contact us. Large selection of inventory available



2" Banjo Poly Transfer Pump w/5.5HP Honda **Engine** 



3" Banjo Poly Transfer Pump w/6.5HP Honda Engine **Elec. Start** 



2" Banjo Cast Iron Transfer Pump w/5.5HP Honda **Engine** 

## SPECIALTY SYSTEMS

### 2"& 3" E-Z HOSE REEL KITS

- 12VDC Electric Motor Rewind
- Manual Hand Crank Included
- Vertical & Horizontal Guide Tubes
- Manual Clutch Lockout for Easy Unwind
- Wireless Remote Key fob
- Mounted Control Switch
- 316 Stainless Steel Swivel w/ Flange Connections

EZHR200 2" E-Z Electric Hose Reel 75' of 2"Ribbed Hose

EZPROHR300 3" E-Z Pro Electric Hose Reel 75' of 3"Ribbed Hose





EZHR200





FMC-75-HYD-204 25GPM POLY PUMP

FMC-HYD-204 1-1/4" x 1

FMC-75-HYD-206 27GPM POLY PUMP

FMC-150-HYD-206

FMCSC-150-HYD-206

SILICONE CARBIDE SEAL 1-1/2" x 1-1/4"

FMC-HYD-210 1-1/4" x 1

FMC-200-HYD-210 2" x 1-1/2"

FMCSC-200SS-HYD-304

316SS BODY WITH A SILICONE CARBIDE SEAL 2" x 1-1/2"

FMCWS-650FS-HYD OASIS WET SEAL

FMCSC-205FS-HYD-304

316 SS BODY WITH SEVERE DUTY SEAL SS IMPELLAR 13GPM 3X2 FLANGED

WE ALSO CARRY FLOW LIMITERS SAVE YOUR PUMP SEAL FROM PRESSURE SPIKES \*MORE MODELS ARE AVAILABLE\*

### 12V-DC CHEMTRAVELLER PUMP KIT

- 12VDC Electric Diaphragm Pump
- Portable Tubular Frame
- Santoprene Diaphragms.
- Includes 850 Digital Meter; 1x12' Hose & 1x9' EPDM Hose,
- Fittings and Shutoff Ball Valve.

WE CARRY REPLACEMENT **PUMPS FOR** SELF PROPELLED **SPRAYERS** 







### **GEMINI DUAL PUMP FEATURES:**

Operate two pumps independer

Supply oil from one tractor remote or power beyond circuit

Use on tractors with Load Sensing (LS) or Pressure Compensated (PC) hydraulic systems

### TWO MODES OF OPERATION:

- Manual mode independent on/off operation from cab with Independent manual flow adjustment at the hydraulic manifold
- PWM mode independent pump regulation and on/off with PWM signal from controller











## **MOUNTED TANKS & RACKS**

### \* Bestway \* Demco \* Lakestate \* Helicopter







**DEMCO** 

HELICOPTER

**BESTWAY** 







MODELS AVAILABLE TO FIT MOST BRAND TRACTORS



STACKABLE TANKS

HI-VOLUME 500 GAL. PER SIDE TANKS





HIGH VOLUME FOR DUALS













PLANTER RACKS FOR JOHN DEERE, CASE & KINZE Call for a quote to fit your planter!

## FERTILIZER APPLICATION

### **SCHABEN**

## LA-9000 Liquid Applicator



### Schaben LA-9000 Liquid Fertilizer Applicator

- Available in 1650 OR 1950 gallon units
- 27-55 ft. widths
- AcraPlant or Yetter coulter
- High lift double parallel linkage clears taller crops
- Rugged double toolbar 4x6 with large 2 1/4" hinge pins
- Adjustable wing down pressure to maintain uniform coulter depth
- Wheel drive piston or ACE hydraulic drive centrifugal stainless steel pump
- Flow monitors & flow check
- Call for a quote today!

### 2996 W/20" BLADE

- Comes with CAD tip rear knife for liquid or available dry fertilizer knife or inject
- 20" blade for deep root banding
- Fits most commonly sized toolbars.

Priced with 7x7 clamp & 22" shank. Depending on shank length & clamp kit needed price may vary.







Take control over your Nitrogen with YIELD FLEXX attachments. Improve your yield with perfectly timed applications.

- Light Weight 5 lbs Per Unit
- Adjustable Height 14" to 36"
- Adjustable Row Spacing 20" to 40" Rows
- Minimal Maintenance Parts
- Brackets Available for Toolbars or Spray Booms







The main features of the 8300 Vertical Fold are:

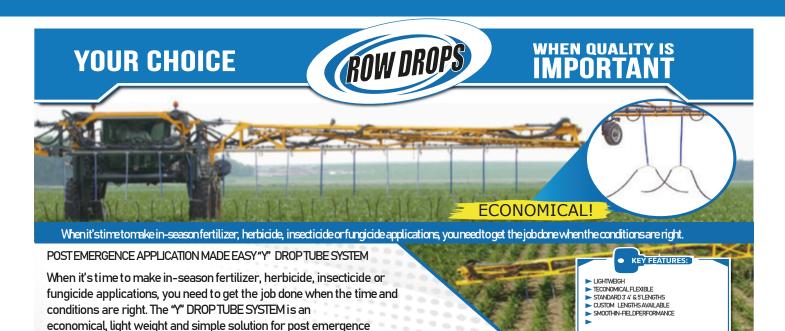
- short-coupled trailer that minimizes crop damage on turns
- hydraulic pump with a flow limiter for overspeed protection
- two-speed heavy-duty jack stand for easy hooking and unhooking
- flexible toolbar that can adjust to different row spacing options and has a wing kick feature, a hydraulic down pressure, and two-gauge wheels
- Patented AP coulter design that places nitrogen at a consistent depth and has a cast coulter, a hex shank, and the ability to set the degree of counter swivel.

The A18/A26 Side Fold: The Ultimate Tank & Toolbar for Precision Farming.

- The specifications of the 8300 Vertical Fold are:
- Empty weight: 8,320 lbs. (1350 gallon, 15 coulters)
   Hitch pin-to-axle length: 13'1" (1050 & 1350 gal) or 15'9" (1800 & 2400 gal)
- Tank size: 1050, 1350, 1800, or 2400 gallons
- Toolbar size: 30FT. 40FT. or 44FT.
- Delivery type: Knife or Injection
- Toolbar crop clearance: 27.5"
- Standard hydraulic pump: Ace 150-206F
- 7"x7" Single Toolbar
- Engine HP required: 150-180
- Quick fill size: 2"
- Narrow transport width of 11'10" or 14'2" with hydraulic folding gauge wheels
- Enjoy sharper turning radius, less crop damage, and better operator visibility with single-reach tongue and low-profile tank design
- Fold the toolbar over the tank top for the shortest transport height
- Choose from dual-wheel or CAMSO Track options with three axle width settings
- . Benefit from the long-lasting hydraulic pump with flow limiter
- 5"x7" double-tube toolbar in either 60' or 66' with external hydraulic fold cylinder
- Adjust the shank in eight different positions and the coulter swivel in any degree with the coulter casting and hex shank design
- Ensure even depth control and fertilizer placement in uneven terrain with the toolbar's three flexing sections and the trademarked Flex Hinge
- Narrow the travel width with the unique side-fold transport position
- Achieve consistent application across the toolbar with the four-gauge wheels
- Choose from 1800 or 2600 gallon tank sizes and knife or injection delivery types
- Get 27.5" toolbar crop clearance and 200-220 engine HP required
- Use the Ace 205-304F standard hydraulic pump and the 3" quick fill size



## FERTILIZER APPLICATION

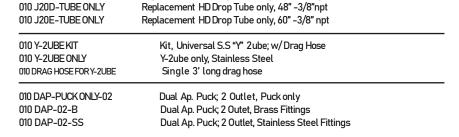




ORDER NO 010 J20C Kit, 36" HD Drop Tube & Primary Hose 010 J20D Kit, 48" HD Drop Tube & Primary Hose 010 J20E Kit, 60" HD Drop Tube & Primary Hose

010 J15-PRIMARY HOSE 010 J20C-TUBE ONLY 010 J20D-TUBE ONLY

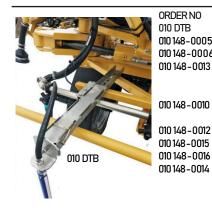
application that can be easily mounted to your sprayer boom or toolbar.



Upper Hose, Assy for Drop Tube Replacement HD Drop Tube only, 36" -3/8"npt

DESCRIPTION





ORDER NO DESCRIPTION 010 DTB Kit, Drop Tube Bracket. 3 piece S.S Includes the 3 items below 010148-0005 Base Mount; Sprayer Boom 010148-0006 Top Mount; Sprayer Boom for Drop Tube 010 148 - 0013 Swing Bracket w/o Ears for Drop Tube

Off-Set Bracket for 010 DTB (Optional for above item)

Channel Bracket Channel Bracket Boom Mount Drop Hanger Channel Splice

Channel Bracket

Hagie and Miller machine specific brackets available



DropTubesfortool bars **Customlengths** available CALLFOR



## **HOODED SPRAYERS**





## SP645 Broadcast Hooded Boom for Self Propelled Sprayers

- 645 Broadcast Hooded Boom Retrofit Kit for Self Propelled Sprayers
- BOOM SIZES 60', 80', 90' & 100' WIDE
- GEN II HOOD
- ANTI-YAW CUSHION AND PIVOT BALANCED





- BOOM SIZE: 60'
- GEN II HOOD, MOUNT FOR CENTER SECTION AND RH & LH PRIMARY WING
- QUICK PUT ON & REMOVE AFTER INITIAL INŠTALL
- UTILIZES EXISTING PLUMBING





MODEL 640 BROADCAST 410 BETWEEN THE ROW 420 BETWEEN THE ROW ALSO AVAILABLE



### **Willmar Hooded**



Longer hood allows better spray ] coverage. Nozzles are spaced front to back and side to side for improved coverage. Open sloped front allows weeds to easily

flow into the hood.

Greaseable hinges & pivot points Post direct Spray available. Mount brackets accept 4",5" &7" bars.

### 645 Tractor 3-Point Mount Broadcast Hooded Spraye

- 60', 80', 90', 100' HYDRAULIC FRONT FOLD.
- GEN II HOOD DESIGN for more consistent and accurate application
- RAVEN 4400 CONTROLLER (OPTIONAL)
- AUTO BOOM SPRAY HEIGHT CONTROL (OPTIONAL)

### 642 3-Point Hooded **Broadcast Sprayer**

- 30',40',50', HYDRAULIC VERTICAL **FOLD**
- 10' RIGID & 20' MANUAL FOLD
- 40' STACK FOLD
- TANKS, PUMPS & SPRAY CONTROL **AVAILABLE**



## SPRAY BOOMS



FIELD BOOMS, 3-POINT, TRAILER SPRAYERS, PASTURE SPRAYER, SKID SPRAYERS, PICK UP BOOMS AND MORE!





MC2 SERIES
3-POINT Sprayer 225 GAL CLOSE
CONTACT LIFT, 38FT BOOMTHROW,
3 SECTIONELECTRICCONTROL,
HANDOUNG 8-ROLLERPUMP





1610 GALLON NURSE WAGON W/ SURGE BRAKES, 35 GAL. MIX-N-FILL TANK, HONDA 5.5/BANJO PUMP, PLUMBED, FENDERS, & ROAD TIRES

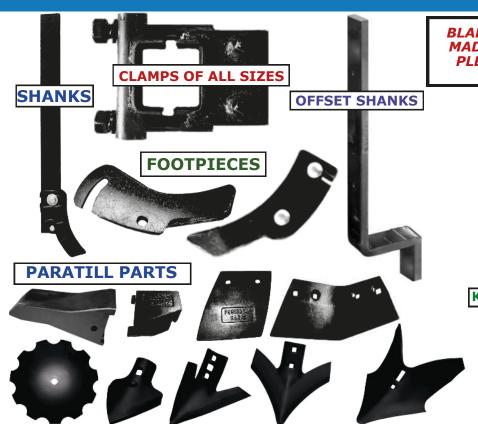




UTV SKID SPRAYER W/HAND WAND AND BOOMLESS 30' SPRAY REACH

UTILITY SPRAYER, 12V 4.0 GPM PUMP, DELUXE HANDGUN WITH OPTIONAL 3 NOZZLE BOOMLESS BOOM (UP TO 30 FT. COVERAGE & 3 SHUT OFFS) 45 GAL. Or 65 GAL. BOOM CAN ALSO BE PURCHASED SEPARATELY

## **TILLAGE SOLUTIONS**



BLADES TO FIT DISC ARBORS, CAN BE MADE TO FIT MOST HOLE PATTERNS. PLEASE SPECIFY DISC ARBOR SIZE WHEN ORDERING.



**KELLY DIAMOND HARROW BEARING** 



ASK ABOUT U-BOLTS, CHAINS, CHROME RIPPER POINTS, CHROME PARTS AND BEARINGS



DISC & HIPPER BLADES ULTRA-WING SWEEPS





Fully welded Cat 3, 3-point hitch with full length double bar frame for strength & rigidity Optional: Flat fold marker—Lift assist or gauge wheels—Vacuum in toolbar



CALL FOR PRICES ON THE SIZE OF TOOLBAR THAT YOU NEED: SET UP FOR PLANTERS OR CULTIVATORS



**FURROWERS** 

TOOLBARS OF ALL SIZES AVAILABLE.

- FLAT FOLD
- 45° OVER TOP FOLD
   STACKING
  - 7X7, 4X4, 5X7, 4X6

## **BIGHAM BED PREP**

## **#BIGHAM**

### **High Flow Disc Bedder**

Bed Preparation for High Residue Fields. The Bigham Super Duty High Flow Disc Bedder for Double Bar Mount is specifically designed for high residue bedding operations. We construct the Super Duty Disc Bedder with ultra-heavy duty components. Mounting arms are fabricated from heavy wall tube. This gang mounting arm arrangement is perfect for our Low Profile Series III Stack Fold Tool Bar. Put the Super Duty Disc Bedder to work and construct consistent beds quickly and efficiently in high residue conditions.





One pass tool to support high-speed planting prepare seed bed, shape furrows & form trenches in one pass. Perfect, uniform seedbed aids planting and optimizes irrigation. Main chopper reels break up clods, incorporates residue and chemicals, and levels the top of the seedbed. Dual rear baskets refine the bed surface for planting. Choice of round or flat bar. Creates a smooth seedbed to support high-speed planting.

The Hipper Chopper aids planting operation and optimizes irrigation and drainage by configuring, preparing, and compacting seed beds and furrows. The uniformly shaped furrows between the elevated seed beds improve drainage and assist in irrigation. The Hipper Chopper can minimize required trips over the field by doing two or more jobs in one operation. The Hipper Chopper can simultaneously prepare a seed bed, shape furrows, and form drainage or irrigation trenches in a single pass over a given section of the field.





Flat Bar









8N Plow

Bed Knife

## **BIGHAM STRIP TILL**



### **GEN 3 STRIP TILL**

Bed preparation in a single pass. Disturb less soil for conservation of water, soil, and organic material, and eliminate wasteful multiple tillage and chemical application passes.

This tool tills planting strips for better crop growing conditions and increased water holding capacity, firms and prepares the seedbed for optimum planting results.

Easily handle large volumes of crop residue while providing the advantages of combined field operations to reduce field trips. Row unit mounts to 7×7" tool bar.

Rugged rear gang is welded from structural tube and may be equipped with virtually any combination of attachments.

 Saves up to 30% on fertilizer banding

**\*BIGHAM** 

### **HIPPER TUMBLER**

The Hipper Tumbler aids planting operation and optimizes irrigation and drainage by configuring, preparing, and compacting seed beds and furrows.

The uniformly shaped furrows between the elevated seed beds improve drainage and assist in irrigation. The Hipper Tumbler can minimize the farmer's required trips over the field by doing two or more jobs in one operation.

The Hipper Tumbler can simultaneously prepare a seed bed, shape furrows, and form drainage or irrigation trenches in a single pass over a given section of the field.

## **BIGHAM BED PREP & RIPPER**

## **\*BIGHAM**



### **889 CULTI-LISTER**

The Model 889 Culti-Lister gives you consistent beds across the field. With a parallel-link gang that conforms to your field like your planter units, you'll get identical beds from one pass to the next.

A vibrant mix of attachments and groundengaging tools fit this machine to your farming practices. Plus, a few simple changes turns this machine into a highspeed cultivator or irrigation water furrow maintainer for different times of the year.

### **BIGHAM LILLISTON ROLLING CULTIVATOR**

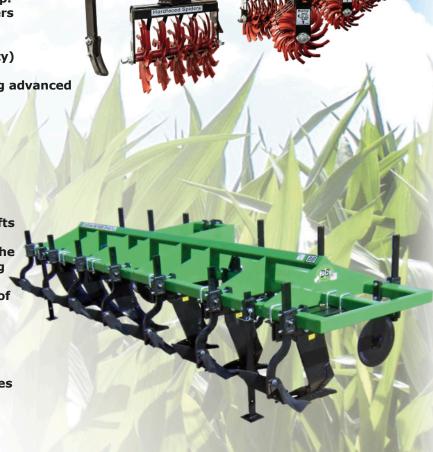
Versatile, high speed tool that performs a multitude of tasks, including seedbed preparation, chemical incorporation, and weed control. For over 60 years farmers have depended on the Lilliston Rolling cultivator to provide efficient operation and minimize cost of ownership. The new completely redesigned Generation 4 offers improvements in

reliability and ease-of-use.

- Quick, Easy Adjustment (Improved Productivity)
- Parallel Linkage Design (Optional Downforce)
- 25% Less Weight and increased Strength using advanced materials (AR 400 Steel)
- and superior engineering (Tab & Slot Design)

### **BIGHAM PARATILL**

Break up compaction without
destroying soil structure. The Bigham Paratill lifts
and bends subsoil to remove hardpans. The
difference is in the award winning leg design. The
leg is angled 45 degrees to the side at working
depths of 12" to 17" to gently lift the soil,
allowing it to fracture along its natural planes of
weakness and then settle back again. This
loosening improves water infiltration and
drainage, encourages root development, and
allows for deeper fertilizer placement.
The gentle lifting action leaves topsoil and
subsoil layers intact, minimizes clods, and leaves
valuable residue on the surface.



## REMLINGER

### **Double Rolling Basket Harrow**

- 12" diameter roller
- No center shaft to wedge rocks
- Heavy duty triple lip greaseable bearings
- Fits virtually all field cult
- Available with flat or round bar roller

The Remlinger Double Roller Harrow is designed to mount on field cultivators and other straight frame secondary tillage tools. This attachment combines two 12" spring tension mounted rollers, effectively breaking clods and churning the soil. The rollers penetrate up to 2" deep, mixing and firming the soil.



### **Single Rolling Basket Harrow**

- 12" diameter roller
- Fits virtually all field cultivators
- No center shaft to wedge rocks
- Heavy duty triple lip greaseable bearings





### **Round Bar Roller**

- Available Rolling Basket combinations
- Large 14" diameter roller
- 3/4" diameter bars



### Remlinger 3 Bar Roller Flex Harrow

3 bar roller flex harrows mount on field cultivators and other straight frame secondary tillage tools. The attachment combines two tools into one. The 3 bar angle iron harrow breaks clods and levels the soil. The roller penetrates up to 2" deep, mixing and firming the soil. The unique design allows each tool to perform independently of the other.

### **Key Benefits**

- Available in 3 bar-mounted designs
- 11" spike tooth on 9" spacing
- Each bar spaced 10" apart
- Single 12" roller with spring tension mounting arms
- 8 high carbon spiral blades
- No center shaft for better soil and residue flow
- Massive greaseable flanged disk bearings
- Adjustable roller can firm or shatter soil in one pass, effective even in conservation tillage
- Excellent performance in conservation tillage
- Mounts on most straight frame tillage tools
- Harrow sizes range from 3'6" to 6'6" in 9" increments



## **BESLER PRODUCTS**

### **BESLER 8000 TRUCK BED**

Constructed with 11 gauge deck plates, 4-inch channel stringers, and 3/16-inch channel cross members, these beds are tough and reliable. Ideal for heavy-duty tasks. Additionally, you can customize them with top-mount modular toolboxes, removable side rails, and bolt-on steps for under-bed tool boxes.

#### Key Features:

- Four under-bed tool boxes
- LED lighting and woven wire harness
- Bolt-in gooseneck assembly (30,000 lbs capacity)
- Customization options: modular toolboxes, removable side rails, bolt-on steps, and more
- With the Besler 8000, you're investing in efficiency, reliability,



### **BESLER 4500 Ripper**

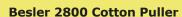
5"x 7" Toolbar with Single Gauge Wheels and Reversible Shank Protectors for Double Wear.











Available in sizes 4 through 12 row
Rigid or folding models are available
Rugged 7×7 tool bar
28" Cleated Disc
Sealed Bearings on Disc
Floating Parallel Linkage
Rolling Basket
Triple Sealed Bearing on Basket Assembly
Optional 24" Disc for 30"
Row Spacing.



### Besler Options

- 20" Rigid or Spring loaded coulters
- · Spring loaded closing wheels
- · Lift Wing
- Comes in 3,5,7 or 9 shank options.
- Recommended horsepower 25-35 HP per shank
- · Light Package available
- Three point attachment with Cat 2-3 Hitch
- 5 Spiral Blades on a double 7x7 tool bar
- <u>Back Chopper Blades runs on</u> <u>reverse angle of Front Chopper</u> Blades
- The toolbar can be filled with sand for additional weight
- Harrows or rolling baskets can be installed

## ROLLING CULTVATOR & BED CONDITIONER



Cultivators include 16"
Hard-faced Adjustable
Spider Gangs, Toolbar\*,
Heavy- duty Parallel
Linkage with Adjustable
Down Pressure, Shank &
Footpiece.







Eliminates Resistant Weeds in Your Field!





Use Spiders or Discs! Cultivation or Bed-Conditioning!

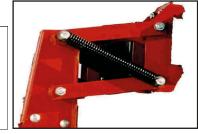


### Row Bed Conditioner



- Heavy Duty Parallel
  Linkage is Designed
  Around Full Length
  Greasable Bushings
- Easily Adjustable Row Unit





## ROLLING CULTVATOR & BED CONDITIONER

### Heavy Duty Spider Gangs Adjustable to Your Crops and Soil Conditions

- ♦ Breaks hard, crusty soils into mulch
- ♦ Clears middles of weeds and grasses
- Replaces existing worn spider gangs on cultivators or bed-conditioners

### 141/2" Spiders

- 3 Spider Plain
- 4 Spider Plain
- **5 Spider Plain**

### 14½" Spiders Hard-Faced

- 3 Spider HF
- 4 Spider HF
- 5 Spider HF

### 16" Spiders

- 3 Spider Plain
- 4 Spider Plain
- 5 Spider Plain

### 16" Spiders Hard-Faced

- 3 Spider HF
- 4 Spider HF

5 Spider HF Individual Spiders & Parts are Also Available

### **Row Top Conditioner w/ Press Wheels**

Custom Built Row Cleaning Systems with Rolling Spiders, Round Rod Baskets, Rubber Wheeled Bed Levelers, Bed-Shapers, Middle-Busters and More!



141/2" or 16" Spider Gang



### 16" Notched Disc Gang





- Cuts through heavy trash in reduced
- tillage, high residue crop conditions
- 16" notched discs
- Pulverizes weeds
- Can be set at aggressive angle to build ridges and beds

3, 4 & 5 blade Options



Chews up Pigweed!



### **Double Disc Furrower**

Bed Shaping, Furrowing, and Hilling Two-16" Discs mounted on a single 1x3x24 shank. Clamps available to fit any size toolbar.



## KMC HEAVY DUTY HIPPER



The KMC HEAVY DUTY
Hipper is designed to form
beds in tough tillage
conditions without twisting.
It uses two heavy duty disc
gangs per bed. Narrow row
models equipped with 18"/
20" notched
discs, wide rows equipped
with 20"/22" or 22"/24"
notched discs.



**Optional:** 

- Smooth disc blades
- Heavy Duty Scrapers



### Heavy Duty 12 Row Stacker Bar



### KMC Peanut Combine & Dump Cart





### KMC <u>Digger Shaker Inverter</u>



### KMC Stalk Shredder Puller



- Superior nematode and crop residue management system
- Single pass system for time and fuel savings
- Spring loaded disc arms help maintain even pressure eliminating the need for constant adjustment.
- Offers flexibility to separate discs on large objects, extending bearing life
- Crumbles help separate soil & root ball and smooth and level soil surface

### **KMC PEANUT CROP EQUIPMENT:**





Vine Conditioner

Vine Lifter

## AMCO EQUIPMENT & TOOLBARS



**Gangs have 3 different** angle settings to maximize performance. **Available with optional** scraper.



18"-20" REVERSIBLE **CUTTER HEADS** (24"-28" ALSO AVAILABLE)

**OFFSET** 



### **OFFSET & VERTICAL ROTARY**

We offer both Offset and Vertical models, and both drainage Ditcher body styles can be ordered with either of our cutter head

The Cutter head features five reversible blades that can be turned over for a second life cycle. The cutter head width is adjustable from 18" to 20" or from 26" to 24". Both drainage Ditcher body styles can be ordered with either diameter cutter head

Standard on all models is a concave skid shoe design with the quick-adjust ratchet, which allows the Ditcher to track better and form a more uniform ditch.

The skid shoe mount is located behind the gear case and helps prevent debris buildup around the cutter head.



### LAY-BY WHEEL BOOM SPRAYER

### **GREAT FOR LATE SEASON** APPLICATIONS! KEEP HARSH CHEMICALS UNDER THE CANOPY



- Stack, Rigid Or Hydraulic Fold Tool Bar Available
- Available In 6, 8, 10, 12, & 16 Row Models
- Comes also as Individual **Row Units**
- Adjustable Row Spacing
- Downward Torsion Spring
  - Tension On Each Leg
- Units Available to fit 4x4, 5x7 & 7x7 toolbars
- Single or Triple Nozzle Spray **OPTIONS**
- Gauge Wheels
- Tool Bar Tank Racks Available 100, 200 & 300 Gallon

## LISTER CULTIVATOR





- Available with 40' triplebar center frame stack toolbar that row units can be configured to 30", 36", 38"
  - and 40" row spacing.
- Go from Lister to Row Crop with interchangeable rear



LC40 Cultivator combines a HEAVY **DUTY stack folding toolbar with** versatile parallel linkage row units and depth band coulters



### **ROW CROP CULTIVATOR**

### **HIPPER-BEDDERS**





- 3 Point Heavy Duty Stacker Toolbar with 1/2" Wall Center Section and 3/8" Wall Wing **Frames**
- Wing Lock
- Cat3 or Cat4N
- Variety of Blade Size Choices
- Optional Scrapers



### Turbo-Max™

**VERTICAL TILLAGE** 

Taking Vertical Tillage "To the Max"

**HYDRAULICALLY ADJUSTABLE GANG ANGLE** on the Turbo-Max allows you to change the

gang angle on the go to match it to field conditions. Adjustments can be made from 0-6°.



18ft-24ft-30ft sizes available

ground leveling and weed removal with 7-1//2" blade spacing





**Optional Heavy Duty Rolling Harrow & Reel** 

Prices Change According to Current Program. Please call for price

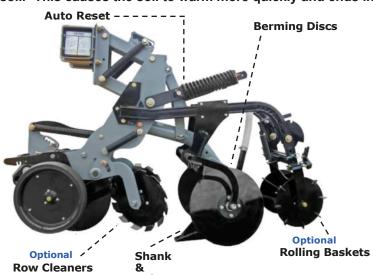
## STRIP TILLAGE



The Hiniker CultiPro Cultivator is a high-speed row cultivator designed for efficient weed control and soil management. It features:

- Adjustable pitch for the share assembly, allowing easy hand adjustments without tools.
- Cutaway discs and shares for improved trash flow and minimal material flow into the row.
- Self-lubricated bushings at major pivot points for long life and easy maintenance.
- High operating speeds of 7-8 mph, suitable for high-residue conditions.
- Optional ridgers to move soil into the row for weed burial.
- Compatibility with cover crop seeding and harrow attachments for leveling and weed management.
- It's designed to accommodate row spacing as narrow as 20 inches and offers various options for customization.

Strip-tillage offers the advantages of no-till with the bonus of an earlier planting date. Strip-tilling fractures compacted soil. This causes the soil to warm more quickly and ends initial spring downtime, allowing growers to plant sooner.







OPTIONAL STAINLESS STEEL DEEP PLACEMENT DRY FERTILIZER CART

## HINIKER 6000 ST Row Unit & Basic Strip-Till Components

W/ Chrome point, 18" berming discs, 3/8" S.S. fertilizer tube with Optional 12" Adjustable row cleaner & 13" Wide rolling basket

### Yetter 2984 Strip Till Freshener CC

The 2984 CAB CONTROL Strip Freshener is specifically designed to address the unique challenges strip-tillers face in the spring,

- Quickly and easily adjust depth control
- Fine-tune row cleaner and rolling basket air pressure from the cab
- Create new strips in the fall or freshen existing strips in the spring
- Operate at 6 to 10 mph and at 1-1/2" to 4" deep, depending on depth setting
- Creates strips in untilled soil
- Places liquid or dry fertilizer in the strips
- Features 3-blade arrangement with rolling basket to condition strips for an ideal planting zone





## LOFTNESS & STRIP TILLAGE



gh Speed for Cotton. Put in a for high wear in sandy ground

Designed to be used with category 2 or 3 Hard-Surfaced tractors equipped with quick-lieactireated

Reversible

**Cotton Knife Hard-Surfaced** 

Optional rear SWIVEL wheels Reversible

◆ 280 HP Gearbox & Driveline ◆ 2-3/16" Main Rotor Bearings

Curved Hood Re-cutter Bar

 ◆ Optional Hood liner ◆ 6-Groove Belt OTHER OPTIONS FOR FLAILS AVAILABLE **INCLUDING BALZER, BHC, JD, RHINO AND MORE!** AVAILABLE CALL FOR PRICING





### 10-FOOT GRAIN BAG

With the capacity to load a 1,000-bushel trailer in about 7 minutes, the Loftness 10-Foot Grain Bag Unloader outperforms the competition not only in speed, but also in ruggedness and reliability. Stable site-to-site transportation. Fast setup. Easy operation. Straightforward maintenance. It's no wonder Loftness is North America's leading brand of grain bagging equipment.

The GBL 10 provides maximum control over the grain bagging process with two 12.5L 15-inch SureGrip chevron- style traction tires equipped with extra large automotive style disc brakes. The unit includes a rotary hand wheel, which

precisely applies brake pressure to both wheels simultaneously while displaying the current pressure via a large liquid filled gauge.





**ENVIROMENTAL** TILLAGE SYSTEMS

SOIL WARRIOR SETS THE BAR

Ideal seedbed: Shallow tillage system creates an aerated seed bed that is warm, dry and mellow for quick

Unprecedented soil management: A deep tillage cog wheel tills a zone 12" wide and 8"-12" deep while applying nutrients in the same pass. Adjacent soil and residue remain undisturbed.

> Superior fertilizer placement: Banding nutrients creates a fertile zone for strong early growth and sustained development. Fertilizer is incorporated throughout the entire growing zone. Minimizes compaction: Wheels ride on existing stalks or stubble limiting compaction. Seed is never planted in a wheel track.

> > Soil and water conservation: Undisturbed residue keeps erosion in check, provides an ideal environment for microbial activity, sequesters carbon and enhances organic matter.



## HIGH SPEED TILLAGE & AUGERS



## SPECIALTY EQUIPMENT

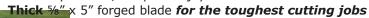
#### AMADAS LRM6019 w/stand



### Amadas Long-Reach Mowers

The Amadas LRM6019 was designed to withstand the rigors of mowing brush and difficult areas.

- **Heavier** & stronger steel tubing in the main & secondary booms
- **Dual** tapered bearing supporting the 6.38 cu. in./rev hydraulic pump
- **Heavy duty** 1%", 21 spline, 1000 RPM not a single shear pin design
- Larger 2¾" bearings on both top & bottom of spindle
- 7 ga mower **deck reinforced** with both tubing & plate steel
- 50 gal hydraulic oil reservoir for better cooling & lower operating temperatures
- Main pivot points have greasable & replaceable hardened steel bushings & stronger 1141 steel
- Standard tractor hydraulics, optional Fasse control for lever style tractor hydraulics, or optional joystick controller





The Flexxifinger® Quicker Picker Rock Picker is the world's first Rotary Rock Picker for skid loader use. Now Farmers and Landscapers can pick rocks with ease, picking rock 2 to 3 times faster than rock buckets. The Flexxifinger® Quicker Picker will fit on any skid loader with a quick attach plate. This design is modeled after the rotary combine and we all know how the rotary combine revolutionized the farming industry.

Simply scoop, spin, and the rock is picked clean. Made of heavy duty steel. Farmers can now pick rocks with ease, picking tough rocks that are barely visible. Simply scoop, spin, and the rock is picked clean. The Flexxifinger® Quicker Picker is versatile and can be used by landscapers with freshly cleared lots, picking tree stumps, pieces of wood, rocks, tin cans, hub caps and any other debris in its way. Junk yards and recycle yards can use the Flexxifinger® Quicker Picker to clean debris keeping sites clean.

## We are proud to add the GRANIT brand to EXPAND our line up of products and parts!









From a spare parts dealer for agricultural machinery in Germany to a globally active Q U A L I T Y service company, GRANIT is no longer just

about selling spare parts. GRANIT'S range has continued to grow over the years. Today we offer everything from replacement parts for agricultural and construction machinery to products for tractors gardening and forestry to workshop equipment.





Transmission















Cab & vehicle structure

Seats

Three-point linkage parts & lifting unit

Tractor hydraulics

Trailer hitches

Engine

Steering & front axle

## LANDLUMERSTRIPFRESHENERS

# LANDLUVR

### STRIP FRESHENERS

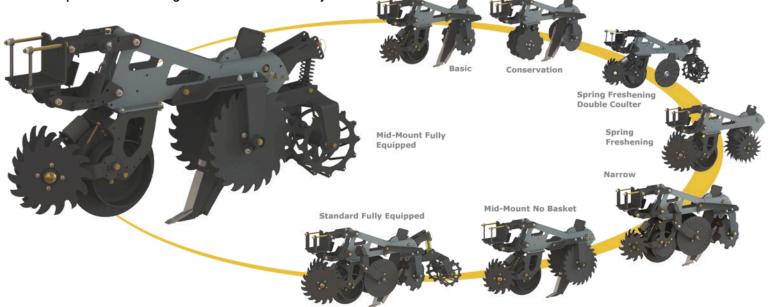
- Unique Designuses 4 spike-toothblades to penetrate, lift, and crumble even hard, untilled soil
- Leaves a shallow zone of well-crumbled soil
- Lifts and throws soil inward, rebuilding the berm
- Can accommodate dry or liquid fertilizer
- Unique design allows for placement of fertilizer under loose soil
- Depth wheels run outside the strip for more consistent depth
- Can be operated at a wide range of speeds, with consistent results
- Easily fitted with a rowcleaners. Like Yetter, Precision Clean-Sweepor anyother front planter attachment.
- Allowsplanting earlier, smoother, and faster with better depth control
- Freshening combined with fertilizer application can reduce the amount offertilizer carried by the planter. Simplicity of design doesn't require a rolling basket ordragging chains

### STRIP-TILL UNITS

Improve soil health, reduce erosion, conserve moisture, Strip-till offers the versatility to adapt to different soil types and conditions while maintaining the benefits of reduced tillage. With a wide amount of optional attachments give us a call to see what fits your field.







## **IRRIGATION & LUBRICANTS**





Easily connects two lengths of polypipe using a locking mechanism to hold them together

### **EZ CONNECT POLY T SPLICE**



Designed to make connecting polypipe and directing water in the field even easier, the flexible economical EZConnect T connects to your polytube with a basic Splice Device™.

Available in 12" or 15".

### **POLY PIRANHA**



Aluminum
handle punch for
poly irrigation
pipe with
cushion grip 3
interchangeable
heads with
4 incremental
sizes on each
head.

### FLUIDS ALSO AVAILABLE IN BULK - CALL FOR A PRICE QUOTE TODAY!







ANTIFREEZE-MULTI
1 GAL. OF MULTI VEHICLE \*FOR NEWER VEHICLES\*

ANTIFREEZE-GREEN
1 GAL. OF READY TO FILL ANTI FREEZE

MYSTIK-RED

TUBE GREASE EACH BOX CONTAINS 10 TUBES

**MYSTIK-GREEN** 

TUBE GREASE EACH BOX CONTAINS 10 TUBES

HYD.OIL-YELLOW

5 GAL. UNIVERSAL HYDRALIC AND TRANSMISSON FLUID

HYD.OIL-PREM

5 GAL. PREMIUM HYDRALIC AND TRANSMISSON FLUID

BLUEDEF002-2.5G BLUE DEF EXHAUST FLUID 2.5 GAL.

ROTELLA 3/1 1 GAL OF ROTELLA 15W40















CALL US FOR
BULK OIL, DEF,
AG RIMS & TIRES!



## IRRIGATION & IMPLEMENT STABILIZATION

THE
"CADILLAC"
Hydraulic
Lift,
2 Hydraulic
Plows and
E-Z Wheels
with Chain.



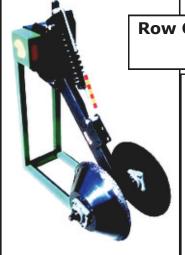


The #1 way to stabilize your equipment on top of the rows!

30-38" Row Adjustable Vgauge wheels . Straddles the bed and pinches the base, won't wander in wide middles. Bolts directly in front of planter unit. Fits nearly any size bar. Comes with bolts.







Row Crop Stabilizer Wheels

36-38" Row
Adjustable
Springloaded
Rides against the
shoulder of the
beds to follow the
row and not the
tractor.
(Also available for
30" Rows)

# FARM ASSISTANCE TOOLS

## **POWERLINK IV**





Makes Hooking Up to Implements a Breeze!

Adjust Toplink "on the go" Through the Field or

When You Cross The Crown or Tailditch.

## 4" HEAVY DUTY Power Toplink

-Hydraulic Third Arm makes hooking up to implements a one person operation -Adjust your third-link from the seat of your tractor

-Specify CAT3 or CAT4 / 35,000# rating -Fits most model of tractors -Check-valve keeps cylinder set & safe

3-1/2" Standard Toplink -Cat 2 & 3 for smaller tractors/26,000# rating

#### **SIZING GUIDE:**

WHEN SIZING FOR A CASE IH MEASURE THE LOWER LIFT ARM, CENTER PIN TO CENTER PIN.

- 39" USES AN EXTERNAL CHECK VALVE & SHORT BLOCK
- 43" USES AN INTERNAL CHECK VALVE & A 7" CC BLOCK

SIZING FOR JD TRACTORS DEPEND ON MODEL NUMBER & CATEGORY HITCH (MOST CASES A HITCH WITH REMOVABLE TOP HOOK USES A CAT IV TOPLINK.)

## **AGKRANE**

- Built for 100-300 Horse Power Tractors and is capable of lifting up to 4,000 lbs on the forks and 7,000 to 19,000 lbs on the lifting lugs.
- Comes complete with your choice of bolt on hav spears or flat forks.



**MSL 096HD Bulk bag** Hangar

Model

also available



# REPLACEMENT LED LIGHTS

# Light Up The Night

L.E.D. LIGHTS & DIRECT REPLACEMENT

# TRACTOR LIGHTS FOR CASE & JD 📥



#### PART NO.

RE19079	<u>JD</u> Tractor	Rear Fender Light Flood Beam Fits:40-60 Series Tractors	sLumens: 3,200
RE306510,	RE161288, RE37450	<u>JD</u> Tractor LED Hood/Cab Top Conversion Light	Lumens: 1440
TL8400		Led Conversion light for 8000 Series JD Tractors	Lumens: 2450
TL5680	L	ed Conversion light for <u>JD</u> Tractors/Forage Harvester	Lumens: 5200
TL3025	Combination of	of a low/high beams with flood/spotlight for JD Tractor	Lumens: 3600
TL4000	JD Nose C	Cone Conversion for 4050,4055,4250,4255,4450,4455 L	umens: 4320
TL4900	JD Nose Convers	ion / Direct Replacement for 50/60 Series Tractors	Lumens: 5760
TL3030	LED Cab F	lood Beam Lights for <u>CASE IH</u> Magnum/MX Tractor	Lumens: 3600
TL3040		LED Side Mount Step Light for CASE IH Tractors	Lumens: 3600
TL6020	High Be	am Front Grill Flood Light for <u>CASE IH</u> Magnum & MX L	umens: 3200
TL6010	Center Hea	nd Light for CASE IH MX, STX, Steiger & Patriot Sprayer	Lumens: 7200
TL7140L/T	L140R LED Flood/	Spotlight Combo Headlight for <u>CASE IH</u> Magnum Tractor	s Lumens: N/A

# COMBINE & PICKER LIGHTS FOR CASE & JD

#### PART NO.

TL6080	LED 4" X 6" Flood Light Pattern for CASE IH Machines	s Lumens: 3500
TL6090	LED 4" X 6" High/Low Beam Flood Light Pattern for CASE IH Ma	achines Lumens: 3500
TL5680	Flood LED Conversion Lights for JD Machines	Lumens: 5200

# VEHICLE LIGHTS

#### PART NO.

TL20SRC	20" Single Row LED Light Bar	Lumens: 11,300
TL420C	20" Double Row LED Light Bar	Lumens: 11,300

**LED Headlight Kits For:** 

Other Sizes are Available call us at 877-293-5794 for full inventory listings and specifications

Visit us at https://www.facebook.com/PerkinsLEDLightingResource



# CAB ACCESSORIES

Tractor Accessories that You Need at Prices You Can Afford!



Replacement Parts and Interiors Built to OEM specifications and



#### Seats & Suspensions

- · Mechanical or air seats and suspensions
- · Several fabrics and color options available
- Replacement parts available

K&M can complete the look of your John Deere 8000/8010/8020 Series tractors





- Lower Kits
- Headliners
- Corner Post Kits Cowl Covers
- Floor Mats (Available)



JD GATOR & LAWNMOWER **SEATS YELLOW & CAMO** 



#### **Utility Products**

- Mirrors
- Monitor Brackets
- Steps
- Toolboxes
- · Weight boxes



TRACTOR CAB MONITOR BRACKETS FOR JD & CASE





Available for John Deere, Case IH, And Kinze. With Cotton Tail Hoods you can

combine both planting and broadcast chemical applications into one efficient process reducing time and saving *money*.



# TRUCK ACCESSORIES

# **QualityCraft**









Small 221/2"X 13" (BLACK, WHITE OR RED)

SE 26"X 173/8" (BLACK OR RED)

Small SE 26"X 173/8" (ALUMINUM IN BRITE)

Medium 30"X 15" (BLACK OR WHITE)

30"X 15"(ALUMINUM IN BRITE)

Large 30"X 19" (BLACK, WHITE OR RED)

X-Large 36"X 173/8" (BLACK OR RED)

Truck bed mount Toolbox Swing







#### TOOLBOX SWING

with Heavy Duty Swivel Allows Easy Access. Comes in 180° or 90° Swing



## **30 GALLON TRUCK MOUNTABLE** HORIZONTAL ASME CERTIFIED TANK IH1393075

24.0 cfm @ 90 psi Max PSI: 175psi
389cc/11HP Electric Start Honda GX Engine Belt Drive, Cast Iron,
Industrial Duty Two Stage Pump Automatic Unloader Valve, Uniquely
Designed Belt Guard

Improves Cooling as much as 60°F

Dependable high quality equipment is vital in the field. The combination air compressor, generator, and arc welder is the ideal tool for working on repairs in remote locations



AGW-SM14-30M

Rated Speed: 3600 RPM

**Compressor:** 

Two stage, cast iron



**Two Stage Combination 8** Gallon Air Compressor-15.7 cfm @ 175 psi/3500 watt Generator with Honda OHV Engine AG2-PH13-08M1 Without generator

AM2-PH09-08M



# **CAMERAS & MONITOR KITS**



Quality - Durable - Affordable
Increase Safety and Productivity

3-Year Camera Warranty

#### A VisionWorks Camera is great solution to the blind spots on your grain cart, tractor, sprayer or harvester. Need the ability to toggle between two camera views? No problem. Available for wired or wireless setups. Monitor cable powered with cigarette lighter adapter, or choose to hard-wire it into your

system. Easy to install





### **SUPER SPONGE**

#### **WIPES OUT PIGWEEDS!**

The Super Sponge puts more chemical on your target weeds and drips less!

Available for ATV's, UTV's and as a Spray Boom **Attachment** 



## The Best Wired Camera Systems







has a powerful magnet the highest resolution in the industry and extreme nightvision!



5" (3-Channel) #VWIC513-HD



(3-Channel) #VWIC713-HD



Kits above include 1 camera, are Easy to Install and include everything you need to improve your visibility

10" Quad(4-Channel) #VWIC114-HDV1

Monitor Mount

#VWPVPM

## Expand your camera system with these options: Extra Cameras









#VWCAM4-HD



Low Profile License style cam #VWLCAM6-HD



VWIC500

- One 5" LCD Monitor
- One IP68 Wired Heavy Duty Camera w/ magnet
- One 30' 4-Pin Cable
- One Camera Input Harness (VWHR500M)
- Second Video Input Optional (Special Wiring Required)
- · One 12V "Cigarette Lighter" Power Adapter
- One Suction Cup Monitor Mount
- · One 3M Adhesive Monitor Mount



## VWIC503

- · One 5" Heavy Duty LCD Monitor
- One IP68 Wired Heavy Duty Camera w/ magnet
- · One 15' 4-Pin Cable
- Three Camera Input Harness (VWHR5M)
- · One 12V "Cigarette Lighter" Power Adapter
- · One U-Bracket Monitor Mount



## VWIC700

- One 7" LCD Monitor
- · One IP68 Wired Heavy Duty Camera w/ magnet
- · One 30' 4-Pin Cable
- · Two Camera Input Harness (VWHR7M)
- · One 12V "Cigarette Lighter" Power Adapter
- U-Bracket Monitor Mount



## VWIC7IP69

- · One 7" Weatherproof LCD Monitor
- · One IP68 Wired Heavy Duty Camera w/ magnet
- · One 30' 4-Pin Cable
- Two Camera Input Harness (VWHR7M)
- · One 12V "Cigarette Lighter" Power Adapter
- · U-Bracket Monitor Mount

# PICKER HOSE, CLEANER & TOOLS



#### PUNCTURE & ABRASION RESISTANT

Description	Part #
3" UFD Hose - Heavy Duty	UFDB0325
1 0 .	3
4" UFD Hose - Heavy Duty	UFDB0425
14.25	
5" UFD Hose - Heavy Duty	UFDB0525





## **PICKER SPINDLE CLEANER**

KLEEN-PIK - Oil **Soap Base** (approx 32oz) Recommended use: 1 bottle per 200 gal

SURPIK II— Silicone Base (32oz) Recommended use: First load use 32oz per 300 gal, then 16oz per 300 gal thereafter



## Tools



RMK-IH12B



**Spindle Nut Socket** RMK-118SKT

(Subject to availability



RMK532PP (5/32")



**DEMTOOL** SPINDLE TOOL SET includes block, adjustable spindle press, assy. And dis-assembly tool. & reamer nut



**Tube Clamp Pliers** RMKTPLIER



**Snap Ring Pliers** RMKSRPLIER



Bar Height Gauge RMK-B/G



## REPLACEMENT PICKER PARTS for CASE/IH



**POLY DOFFERS** 

## **SPINDLE ASSEMBLY** XTRA CHROME & REGULAR



## SPINDLE XTRA **CHROME**

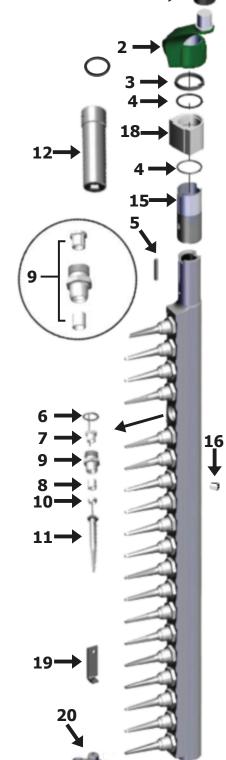


SPINDLE REG. CHROME

LET US HELP YOU KEEP YOUR **MACHINE** PICKING! 877-293-5794

# REPLACEMENT PICKER PARTS FOR JD

## Picker Bar and Spindles 9960-9996,7760



13-

	kei bai alia Spiliales 3300 3330;	, , 00
Items#	Description & Model#	Part#
1	Bushing (CamRoller) 9960-9976	N193500
2	Arm-R.H. (sub for N195318)} 9960- 9996,7760 Arm-L.H. (sub for N195317)}	N198724 N114682
3	Seal -upper washer (square cut "O" ring) 9960-9965	N119589
4	O-ring (round) seal (All models thru Pro-Series)	N119581 T19854
5	Shaft Key	H64373-S
6	Shi m003" Shi m005" Shi m010"	N193694 N190952 N110223
7	Bushing - flange	N113307
8	Bushing - plain	N112394
9	Nut-R.H. Spindle with bushings	AN111948
10	Dust Capor Washer collar (shield)	N279986 N111521
11	O&S (X-TRA CHROME SPINDLE) RMK (X-TRA CHROME SPINDLE) - R.H. Standard Chrome available as well	N277078G N277078
12	Impact socket	RMK-118SK
13	BottomBar Bushing	N196062
14	Bar - R.H. 9960-9965 Bar - R.H. 9970-9996 Pro-12 Bar - R.H. 9976-9996,7760 Pro-16	AN193320 AN274501 AN273434
15	SI eeve 9 9 6 0 - 9 9 6 5 SI eeve-No Keyway 9 9 6 0 - 9 9 6 5 SI eeve 9970-9996,7760 SI eeve-No Keyway 9970-9996,7760	N195657 76373 N279372 N279372K
16	Pi pe pl ug	15H558
	Spindle Assembly -R.H. (X-TRA CHROME)	AN274216
17	RMK Spi ndl e Assembl y—R.H. (X-TRA CHROME) RMK Spi ndl e Assembl y—L.H. (X-TRA CHROME)	AN274216 AN274217
18	Bearing 9970-9996,7760	N370976
19	Bar Tab	BARTAB
20	BottomBar Stool Pivot	N112291
*	Complete Bar, Shaft and Spindle Assembly R.H. (18 spindle bar) 9960-9965 R.H. (18 spindle bar) 9970-9986 Pro-12	AN193318 AN276740 AN276734
	R.H. (20 spindle bar) 9986-9996,7760	,

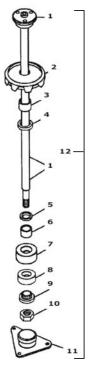
WE HAVE WHAT YOU NEED TO KEEP ON PICKING!

CALL 877-293-5794 or

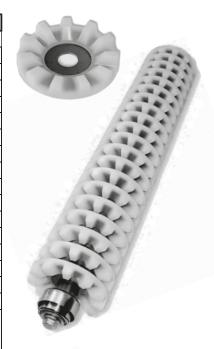
VISIT US AT perkinssales.com

# REPLACEMENT PICKER PARTS FOR JD

Doffer Assembly 9960-9996-7760-CP690



	Doller Assembly 9960-9996-7760-CP6	190
Items#	Description & Model#	Part#
1	Shaft for 20 doffers 9976-996-7760 PRO-16	AN273701
1A*	*LARGE SHAFT for 20 doffers CP690	16193
2	Poly Doffer 9960-9996-7760	AN272152
2A*	Poly Doffer LARGE SHAFT* CP690	AN406038
3	Spacer 9960-9996-7760	N275381
3A*	Long Spacer CP690 LARGE SHAFT*	15280
4	Shi m.010 9960-9996-7760	L3197N
4A*	Shi m.010 CP690 LARGE SHAFT*	N400789P
5	Washer 9970-9996-7760	01633P
5A*	Washer CP690 LARGE SHAFT*	34803
6	Spacer 9960-9996-7760	N198746
6A*	Short Spacer CP690 LARGE SHAFT*	15281
7	Сар	N191302
8	Spacer <all> ol d#n371318</all>	N410874
9	Ball bearing <all></all>	AN275022
10	Lock nut <all></all>	N275038
11	Housing <all></all>	AN273953
12	Poly Doffer Assembly-18 doffers 9960-65 (inline) Poly Doffer Assembly-18 doffers Pro-12 Poly Doffer Assembly-20 doffers Pro-16 Poly Doffer Assembly-HI-SPEED CP690 Lg Shaft	AN272224 AN274508 AN273445 17562
NOT SHOWN	Screw for end of doffer column CP690	19M7828



## Grid Bars and Supports 9960-7760-CP690

Description &	Model#	Part#
Bar, cast alum-front 996	0-65	N116513A
Bar, steel-front 996	0-65	N116513
Bar, alum-rear 9960-65 (	inline)	N197039
Self-locking screw 9960	0-9965 Grid	19H3695
Bar Bolt 997	0-7760-CP690	19M7865
Lock nut 9960-9965 Gri	d	N10215
Bar nut 9970-7760-CP6	590	N274171
Angle 9960-9965		N196166
Bar, alum-front 9970-7760-CP690		N277542
Bar, al um-rear 9970-7760-CP690		N277543



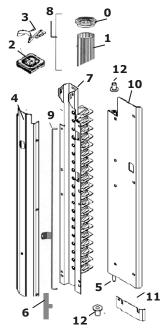


N372970K 10-High Scrapping Plate









## Moistener Stand 9960-CP690

Items#	Description & Model#	Part#
Not Shown	NEW Clear Water Capfor Topof Column	N276747
1	Tubi ng 9960-CP690	N190923
2	Pad 9960-CP690	N275607
3	Replacement Holder 9900- 9965	AN32795 AN273816
4	for Moistening Pad Channel 9960-9965 (old#N273738)	198776
5	Replacement Pin—Centered	274660P-C
5A	Replacement Pin -Offset	274660P
6	Clip Door Hold (top or bottom)	N275392
7	HD Moistener column Pro-16 9996-CP690	AN279609
8	Manifold & Tube Assembly Pro-16 Manifold & Tube Assembly Pro-12	AN273019 AN274526
9	Latch Pro-16 Front 9976-CP690 Latch Pro-16 Rear 9976-CP690 Latch Pro-12 Front & Rear 9970-76	AN274659 AN273512 AN274513
10	Support, Pro-16 Front or Rear (offset pin) Support, Pro-16 Rear Only (centered pin)	AN274660 AN273517
11	Angle, Pro-Moistener Column, Rear	N275882
12	Bushing-JD Pro (Top & Bottom)	N277000

We Carry All Doors-OEM Style, Deep Dish and Door Repair Parts

WE HAVE ALMOST ANYTHING YOU NEED TO KEEP YOUR MACHINE PICKING!

Call 877-293-5794

# COMBINE HEADER ATTACHMENTS



## Farmers worldwide trust Flexxifinger to put 'down' crops in the bin



FlexxiFloat™ Quick Detach Lifter
Arm with Shoe

\* Multiple shoe options available for different soil types.







# **Quick Detach Corn Pans**

You can now use your grain header to shell corn!!!

These Quick Detach corn pans fit most three-inch knife spaced grain platforms.



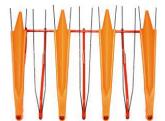
The units guide corn stalks to the cutter bar and ensure the cobs make it into the header. At \$430 per foot (avg.), the system cost is far less than compared with the cost of a corn header and you have virtually NO LOSS ON END ROWS.



## **DEPEND ON FLEXO-GUARD MILO GUARDS**



- PREVENT Fall Away Heads
- STOP Drop Through Losses
- CATCH Thrown Out Heads
- IMPROVE Reel Action
- REDUCE Shatter Losses





# REPLACEMENT PARTS FOR COMBINES

Kondex Straw Claw® chopper blades deliver the ultimate value in residue management and product performance.

Our patented, self-serrating design uses a laser cladding additive on a STRAW through-hardened blade to control product wear and maintain blade sharpness longer. Controlled wear results in less chipping and blade damage, which in turn helps better maintain rotor balance and minimize maintenance











# **KX7 CONCAVES FOR CASE-IH: FLAGSHIP**







TOUGH-TH	RESH CON	FIGURATION
PART NO.	BOX NO.	INSTALLATION
716-048	BA1-X55 BA1-X25 BA1-X45 BA1-X15 BA1-R15	1 LH ROW 1 3 LH ROWS 2-4 1 RH ROW 1 1 RH ROW 2 2 RH ROWS 3-4
716-057	BA1-R55 BA1-X15 BA1-R15	4 LH ROW 1-4 2 RH ROW 1-2 2 RH ROW 3-4
THRESHS	TART CON	FIGURATION
716-064	BA1-R55 BA1-R25 BA1-X45 BA1-X15	1 LH ROW 1 1 LH ROW 2 1 RH ROW 1 1 RH ROW 2
716-065	BA1-R25 BA1-X15	2 LH ROWS 1-2 2 RH ROWS 1-2

MODELS: 7010AFX, 7120,7230,7240,7250 8010AFX, 8120, 8230,8240,8250, 9120, 9230, 9240, 9250



rotary combine's capacity. The KX7 MaxRound™ brings the benefits of a helical design into the round bar category, improving threshing in corn and soybeans while also

maximizing separation in small grains and cereals.

The KX7 concave system centers on patented box design, MaxThresh™ and MaxRound™. These boxes are designed with angled bars that meet the crop head-on, allow for customized threshing, and increase your

Both the MaxThresh™ and MaxRound™ are heat treated and reversible to provide increased useful life. The design of the MaxThresh™ and MaxRound<sup>™</sup> boxes allows for faster threshing and maximum combine capacity. This allows you to increase your concave clearance, reducing

BB6-X06: MaxThresh<sup>TM</sup>

BB6-S05 MaxGrate

wear on your rotor and providing more flexibility to fine tune settings.

MaxFlow

MaxBlock

















# KX7 CONCAVES FOR JOHN

MODELS: S550/S650, S660, S670, S680, S690, S760, S770, S780, S790, 9650 STS, 9660 STS, 9670 STS, 9750 STS, 9760 STS, 9770 STS, 9860 STS, 987

TOUGH-TH	RESH CON	FIGURATION		
PART NO.	BOX NO.	INSTALLATION		
716-051	BA2-L02 BA2-X05 BA2-R05	1 FRONT LIP 2 RH ROW 1-2 5 RH ROW 3-6		
THRESHSTART CONFIGURATION				
716-066	BA2-L02 BA2-X05 BA2-R05	1 FRONT LIP 1 RH ROW 1 1 RH ROW 2		

configurations and options to best match your unique needs. The KX7 concaves are Made in the USA, and are designed to

Kondex understands that not all crop harvesting conditions or combines are the same, which is why the KX7 concaves give you more

outperform other aftermarket offerings.

KONDEX

# **Extreme Wear Offerings**

For extremely high-wear crops and conditions, our KX7 Extreme Wear boxes, frames, and assemblies offer unmatched protection against material loss. These components feature metallurgically bonded laser cladding wear coating to the most vulnerable areas of the parts to provide the longest usage possible in your high-wear environment









Scan to learn more

## A Better Thresh Begins with ThreshStart™

Kondex KX7 ThreshStart™ concave kits are designed for those looking to begin gaining improved threshing and grain quality with minimal investment. ThreshStart kits include two rows of KX7 concaves for installation in the front, most critical threshing position. Standard concaves can be installed behind them. Additional KX7

assemblies will provide even greater results.

# MACDON HEADER PARTS

PART NO.	REP. OEM#	DESCRIPTION & APPLICATION	
A-1003467	114267	CENTER FEEDER DRAPER BELT, HEAVY-DUTY, SIDE V-GUIDE,RECESSED 3/4 CLEAT FITS DBL DELIVERY 1052,2052,2062,972  OTHER BELTS AVAILABLE	
A-1009288	100438	DRAPER BELT, RAPTOR BELT, ONE SIDE V- GUIDE 41.6" X 249" FITS DBL DELIVERY 1052,2052,2062,972	
K118499		HOLD DOWN CLIPS	
BU344-C	118484 118344	2 PRONG GUARD FITS 960,962,973,974 ,D50,D60,FD70 FD75	
S20-8398G		TIGER SHARK FORGED SECTION KNIFE, 8 TEETH PER INCH, FITS MODELS 960,962,963, 972,973,974,D60,FD70,1042,CNH 1052,2042, 2015,2062,2142,2152,2162, NH84C,86C SHARP AND CUTS FASTER. (BOX OF 10)	
P212	105212	POLY FINGER FITS D50,D60,FD70 CNH 1052, 2052, 2062, MACDON 972, 973, 974,NEW HOLLAND 84C SMALL FINGER FOR OLDER PLATFORMS.	
P987	137987 GF174849	POLY FINGER FITS FD1, FD & D also CNH 2142, 2152, 2162. LARGE FINGER FOR NEWER PLATFORMS.	
P627		SCREW FOR P987 POLY FINGER FITS D50,D60,FD70	
B55-0065D		SICKLE SECTION HARDWARE BOLT & NUT (BOX OF 50)	
G81-0092		LH OVERLAP GUARD FITS CHN 1042,2042,2052,2062,2142,2152,2162 MACDON 972,D50,D60,D65,FD70,FD75.	
G81-0094		DRIVE HEAD AREA GUARD FITS CHN 1042,2042,2052,2062,2142,2152,2162 MACDON 972,D50,D60,D65,FD70,FD75.	
G81-0096		RH OVERLAP GUARD FITS CHN 1042,2042,2052,2062,2142,2152,2162 MACDON 972,D50,D60,D65,FD70,FD75.	
BU644	286315	GUARD TO FIT MACDON FD225, FD230, FD235, FD240, FD241, FD245, FD250.	
12406617		SECTION KNIFE,9 TEETH PER INCH FD225, FD230, FD235, FD240, FD241, FD245, FD250	
C132896	87561157	LH DRIVE HEAD FOR CNH 2142, 2152, 2162. USED ON ALL SINGLE DRIVE AND THE LEFT HAND SICKLE ON DOUBLE DRIVE HEADERS.FITS MACDON D50, D60, D65, FD70, FD75.CNH 2142, 2152, 2162.NEW HOLLAND 84	
M4-CANNON M8-CANNON		M4, M8 SINGLE & MULTI-BANG CANNON PRODUCES RANDOM SERIES OF SINGLE, DOUBLE, AND TRIPLE-SHOT CLUSTERS. TIME BETWEEN SERIES MAY BE ADJUSTED FORM EVERY 30 SECONDS TO EVERY 20 MINUTES.	
WEPE		WEPE AIR FILTER CLEANER COMES WITH 3 SETS OF 3 INTERCHANGEABLE ARMS IN 3", 6", AND 9". THE AFC WILL CLEAN 4" TO 11" ID RADIAL SEAL AIR FILTERS, SHOPS VACS & AUTO FILTERS.	
Bould let there a	ومسورة أوم مادانا بالدو	11 A (1) A	

Don't let those pesky birds eat away at your profit !!!









# REPLACEMENT PARTS FOR JD GRAIN PLATFORM

PART NO.	REP. OEM#	DESCRIPTION & APPLICATION
P869	AH214869	POLY RETRACTABLE FINGER FOR JD MODEL 600FR
P205318	H205318	FIBERGLASS RETRACTABLE FINGER MODEL 200, 900 & 900F&R
P218547	AH218547	HOLDDOWN CLIP JD SERIES 600 F&R PLATFORMS
P218548	AH218548	HOLDDOWN CLIP JD SERIES 600 F&R PLATFORMS
P202409	H202409	CAP, USE W/POLY FINGER 600 F&R PLATFORM
P168206	H168206	CAP, USE W/POLY FINGER 600 F&R PLATFORM
P153175		FOR USE ON PLATFORMS W/PIPE REELS ONLY BUILT UP TO 2000, 4-1/2" TINE SPACING, AGCO- GLEANER 300,400,500,700,800. CIH 1010,1020,JD900 PRIOR TO S/ N685100; MF 9700, 9750;N-H971,973
AP153176		BUILT 2000 & UP, 6" TINE SPACING, JD900F\R S/N 685101 & UP; AGCO-GLEANER 700,800,7000,8000,8200. CASE-IH 1010,1020 (2001 & UP)2010,2020; CAT F; LEXION F,CHALLENGER FLEX HEADERS; 600F & R; MF 8000,8200,9800,9850; NH 71C,72C,73C,&74C
P179000	H179000	POLY FINGER GUIDE, FOR 900 F&R.
P87192	H87192	FINGER HOLDER PLATE GUIDE.
P87044	H87044	FINGER HOLDER RUBBER GUIDE
HC783845 HC783846 HC783950		PADDLE TINE FOR OEM PIPE REEL WITH 4.5" SPACING. 10/BOX. SAME AS ABOVE 6" SPACING. 10/BOX. TINE FOR REELS WITH TEAR DROP BATS. 10/BOX
P175727K		PIPE REEL KIT, W/BOLT AND NUT, BAGGED. (FITS, JD,CNH, NH & AGCO,)
P40200	E40203 E40205 E40206	PLASTIC BEARING KIT FOR REEL W/TEAR DROP BATS. INCLUDES P40203 U-BOLT W/NUTS, P40205 CAP, P40206 BASE. SOLD AS SET
S20-8452	H153329	DOUBLE SECTION FINE, 14 TOOTH. 10/BOX FITS 600/900 DRAPER 3x4" SECTION
S20-4532		TIGERSHARK SINGLE SECTION, 7 TEETH PER INCH, FITS JD MODELS 200,900 RIGID PLATFORMS 10/BOX
S20-4531	H163131	DOUBLE SECTION, CHROME TEETH. FOR SERIES 600F, 600FD,600R, 900D 4" WIDTH,3 1/4" LENGTH, 1" HOLE SPACING
S20-8531		DOUBLE TIGER SHARK (10 PACK) FITS SAME AS ABOVE
G81-0191	H145791 H61954 H75386	FORGED GUARD, HEAT TREATED, JD PLATFORMS, DOUBLE PRONG, SERIES 200,900,900F,900R
G81-0398	H213398 H205448 G610	FORGED GUARD, 3 PRONGED LONG-SHORT- LONG SERIES 600F,600FD
G81-0399	H213507 G615	FORGED GUARD, 3 PRONGED SHORT-LONG SHORT SERIES 600F-600FD
G81-0397	H213398 H205448 G610	FORGED GUARD, 3 PRONGED LONG-SHORT- LONG SERIES 600F,600FD
G81-0396	H213507 G615	FORGED GUARD, 3 PRONGED SHORT-LONG SHORT SERIES 600F-600FD

# REPLACEMENT PARTS FOR JD CORNHEADERS

PART NO.	REP. OEM#	DESCRIPTION & APPLICATION	
P151211	H104091	GATHERING CHAIN GUIDE, CAST IRON.	
P144503	H144503	LOWER IDLER STRAP JD 40 SERIES S/N 466451 & UP ALL 90 SERIES.	
P84479	H84479	LOWER IDLER SUPPORT. FITS ALL 40 SERIES.	5 Annual Park
P153898	H153898	LOWER IDLER SUPPORT. FITS ALL 90 SERIES.	
P85252	H85252	JOHN DEERE UPPER CHAIN DRIVE CHAIN GATHERING SPROCKET, 8-TOOTH HEAT TREATED, FITS: 40 AND 90 SERIES COMBINES.	<b>Q</b>
S85252		JOHN DEERE UPPER CHAIN DRIVE CHAIN GATHERING SPROCKET, 8-TOOTH HEAT TREATED.*61 HARDENED ROCKWELL*	
P71326	AN71326	GREASE SEAL, ROW UNIT, SOME 40 SERIES, 90	
P102266	AN102266	GREASE SEAL,STALK ROLLERS,JD 90 SERIES CORNHEADERS.	0
P102006	AN102006	SEAL,OIL,GEAR BOX INPUT SPUR,40-90 SERIES CORNHEAD. REPLACES	
P207KRRB12		BEARING, CROSS AUGER, DRIVE SHAFT 40 SERIES, CROSS AUGER, ROW UNIT, MAIN SHAFT, BACK SHAFT 90 SERIES	
P61703	N61703	COMPRESSION SPRING, JD MODELS 40 & 90 SERIES CORNHEADS.	
P104096	N104096	BUSHING,STOP JD MODELS 40&90 SERIES CORNHEADS.	
P08H4219	08H4219	BOLT FOR JD COMPRESSION SPRING, JD MODELS 40 & 90 SERIES CORNHEADER.	
P148223	H148223	EAR SAVER, POLY URETHANE, FITS INNER SNOUTS,90 SERIES TO SERIAL NO.676000	
CF166582	H166582	EAR SAVER,POLY URETHANE,FITS ALL 40 SERIES JD CORNHEADS.	

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# REPLACEMENT PARTS FOR JD CORNHEADERS

PART NO.	REP. OEM	DESCRIPTION & APPLICATION
P104091L	H104091	SNAPPING ROLLER, TAPERED FLUTE, <b>HARDFACED</b> FOR EXTRA LONG WEAR, LEFT HAND, FITS 40 SERIES
P104090R	H104090R	SNAPPING ROLLER, TAPERED FLUTE, <b>HARDFACED</b> FOR EXTRA LONG WEAR, RIGHT HAND, FITS 40 SERIES
P150139L	H150139	SNAPPING ROLLER LEFT HAND STRAIGHT FLUTE, FITS 90 SERIES. <b>HARDFACED</b> FOR EXTRA LONG WEAR.
P150138R	H150138	SNAPPING ROLLER RIGHT HAND STRAIGHT FLUTE FITS 90 SERIES. <b>HARDFACED</b> FOR EXTRA LONG WEAR.
CH225719-RH CH232250-LH	225719	DECK PLATE- <b>HARDFACED-</b> FITS JD600 TO S/N745100
AH154270	H154270	DECK PLATE FITS 90 SERIES JOHN DEERE - HARDFACED-WORKS RH OR LH ON MANUAL ADJUST DECKPLATES. USE AS RH ON HYDRAULIC ADJUST PLATES
AH147773	H147773	LH HYDRAULIC DECK PLATE FITS 90 SERIES JOHN DEERE- <b>HARDFACED</b>
AH140825-N		COVER FOR AH147773 HYD PLATE
P143881	AH143881 AN102001	SNAPPING ROLLER SHAFT FITS 40-90 SERIES JD CORNHEADERS
AH209794	AG209794	GEAR BOX ASSEMBLY FOR LEFT HAND DRIVE FITS 40 & 90 SERIES
AJD600		GATHERING CHAIN FITS 600C (745101 & UP) EXCEPT 643/693
AJD601		SAME AS ABOVE PRIOR TO SN745101

## REPLACEMENT PARTS FOR JOHN DEERE & CASE IH

F	2102448	AN102448 176283C91	LOWER IDLER GATHERING CHAIN SPROCKET WITH SEALED BEARING; 8-TOOTH. FITS <b>JD</b> 40 SERIES TO S/N 466450. FITS <b>CIH</b> 235, 335,435,635,800,900,1000, 2200,2400,3200 & 3400
F	P101219	AH101219 176283C91	LOWER IDLER GATHERING CHAIN SPROCKET WITH RELUBE BEARING; 8-TOOTH. FITS JD 40 SERIES S/N 466451 AND UP; ALL 90 SERIES, FITS CIH 800,900,1000,2200,2400,3200 & 3400
C	CA55548C6E-8	AN102009 176279C91	GATHERING CHAIN, WITH CHROME PINS. (ENDLESS CHAIN) FITS JD 40-90 SERIES & FITS CIH 800,900,1000-2200

# REPLACEMENT PARTS FOR CASE CORNHEADERS

PART NO.	REP. OEM#	DESCRIPTION & APPLICATION	
199381C1-N RH 199382C1- N LH	KD1000 R KD1000L	LH OR RH DECK PLATE FITS 900/1000 SERIES.	
P198922	1989222C1	STEM BEARING. FOR STALK ROLL S/N JJ0146000 & UP. FITS 1000, 32-3400	9
P176278	176278C1	UPPER DRIVE CHAIN GATHERING SPROCKET, 10-TOOTH, HEAT TREATED, FITS 800 SERIES. WITH ROLL PIN HOLE.	
P199497B		UPPER DRIVE CHAIN GATHERING SPROCKET,10-TOOTH, HEAT TREATED, REPLACES 176278C1 & 199497C1 FITS 900-1000 SERIES. (NOTE: WITH PIN HOLE & KEYWAY)	
P86837081	86837081	UPPER DRIVE GATHERING SPROCKET, HEAT TREATED FITS. 2200,2400,3200, & 3400	4
P1327126	1327126C1	STALK ROLLER KNIFE FITS 2206,2208,2212, S/N HAJ003469, 240630,240636,240670,240822/830/836/838/870, 241220,241222,241230.	****
P86977538	86977538	SAME AS ABOVE. HEAT TREATED, HARDEND EDGE	
P86526475	86526475	EAR SAVER (DEFLECTOR) FITS 2200 2400, 3200,3400.	4
P176301	176301C2	COUPLING SHAFT, STALK ROLL, FITS 800,900, 1000,3200 & 3400	6
A-195666A1		FEEDER HOUSE CHAIN SERRATED 54" 3 CHAIN ASSY. 69 LINK, 1/4" SLAT EVERY 2ND AND 4TH LINK FITS.NO ROCK TRAP.	聖
		MORE FEEDER HOUSE CHAINS AVAILABLE	
A-1968970C1		SPECIALTY ROTOR BAR WITH SPIKE, CHROME. FITS ALL ROTARY	No.
		MORE ROTOR BARS AVAILABLE	
S20-3325	158516	FORGED SECTION KNIFE, 7 TEETH PER INCH, FITS MODELS CIH 1010 & 1020 3X3 1/4" USES 9/16 OH RIVETS.	a
S20-8268	1596321R3 826720C2 191256A1	<b>TIGERSHARK</b> SERRATED SECTION KNIFE, <b>STAYS SHARP LONGER, CUTS FASTER</b> . 3 HOLES IN HEEL (FITS SAME AS ABOVE)	No.
BU299-C	1307299C2 87442324 334305A1	TWO PRONG FORGED GUARD W/O CROSS BAR FOR 3"SPACING FITS 1010,1020,2010,2020	1
BU344-C	118344	TWO PRONG GUARD FITS 1042,1052,2042, 2052,2062,2142,2152, 2162 W/DRAPER HEAD. STEEL FORGING HEAT TREATED.	9
P153175		FOR USE ON PLATFORMS W/PIPE REELS ONLY BUILT UP TO 2000, 4-1/2" TINE SPACING, CIH 1010,1020,JD900 PRIOR TO S/N685100;	_
P153176		BUILT 2000 & UP, 6" TINE SPACING, CASE-IH 1010,1020 (2001 & UP)2010,2020; CAT F; LEXION F,CHALLENGER FLEX HEADERS	_

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# SEED TENDERS & GRAIN CART



220 bulk seed trailer priced w/optional electric start (red or green)





Pro Box Seed Tenders



#### **STANDARD FEATURES**

- 182 Bushel Capacity
- Two Compartment Hopper
- 6" Auger Delivers Up To 8 Bushels A Minute
- 5.5 HP Honda Engine (Optional Electric Start)
- Variable Throttle Control
- Slide Gate For Shut Off
- Direct Drive (NO BELTS!)
- Spring Loaded Auger For Easy Transition
- Clean-out Door At The Bottom Of The Auger
- 235/80R16 10 Ply On 8 On 6.5 White Spoke Rim
- Long Enough Auger to Fill:
   John Deere's Central Commodity System &
   Case's Bulk Fill Productivity System

**OPTIONS** 

- 12V Seed Treater
- Electric Start & Scales

Ask us about Demco or KillBros Grain Carts & Gravity Flow Carts.

Demce



## Benefits of HARVEST

- Keep your equipment moving. Increase harvest speed.
- Extra capacity to unload grain carts into
  - & keep combines running.
- Auger length gives the option of loading trucks on a secondary road
- Capacity of 3,000 bu. (based on #2 corn, 56#)
- 18" unload auger with UltraFlyte ™ auger flighting

# **SPECIALTY SOLUTIONS**

# Mighty Mini





Innovative design allows you to easily CLEAR your grain bin auger from the SAFETY OF YOUR TRACTOR SEAT.

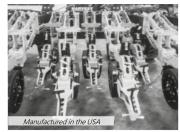
When it comes to grain storage safety.....the less you are in the bin the better!

Installation is quick and easy and blockages are broken up in seconds, saving you time and money.

The Mighty Mini from Sump Saver effortlessly slices and crushes obstacles approaching the grain sump, safely restoring grain flow WITHOUT EVER STEPPING INSIDE THE BIN!











# SPECIALTY SOLUTIONS





	TTQ	BALZER	RHINO	JD	LOFTNESS
WEIGHT	10,580	7,850	5,150	5,000	6,000
# BLADES	216-248	208	216	184	232
BLADE STYLE	STANDARD	STANDARD	STANDARD	OWN BRAND	OWN
BEADE PATTERN	CUSTOM	BASIC OFFSET	BASIC OFFSET	BASIC OFFSET	BASIC OFFSET
BEARING SIZE	2-3/4"	2-3/16"	2-9/16"	43MM/1-9/13"	2-3/16"
BELTS	12	6	10	6	8
GEARBOX	328HP	300HP	207HP	207HP	280HP
FIELD SPEEDS (MPH)	7-11	6	6	5-6	6-7
BLADE SPEEDS (MPH)	159	144	143	139	144

The TTQ Trojan Stalk Shredder Built for high efficiency and durability in mulching row crops like cotton and corn this stalk shredder is designed with:

- A Specially designed flail pattern increases mulching efficiency and quality
- Extra Flails: 6-8 extra flails per row distribute the workload, extending flail life and maintaining balance
- Replaceable Wear Skins: Easy replacement of wear skins to ensure consistent performance
- Heavy-Duty Bearings: Designed for troublefree replacement
- Grease Points and Access Holes: Easy access for maintenance and inspection
- Low-Mounted Gearbox: Increases lifting height for easier operation
- Durability: Built with high-grade steel for strength and longevity
- This machine is built tough yet efficient,





## SCORPION ROOT CUTTER

The TTQScorpionRoot Outter revolutionizes root cutting with its patented break away system, eliminating the need for constant discflip and blockage fixes, making it highly efficient for tasks like killing cotton plants and clearing heavy root growth in other crops.

- Durability: Constructed with high-quality materials to with stand the rigors of tough farming conditions, ensuring long-lasting performance.
- Versatility: Designed to handle a variety of crops, making it a valuable tool for different farming applications.
- Easy Maintenance: Features a simple design that allowsfor quick and easy maintenance, reducing downtime and keeping you productive.
- Adjustable Settings: Equipped with adjustable settings to customize the depth and angle of the cut, ensuring optimal performance for your specific needs.





# SPECIALTY SOLUTIONS



# Cover Crop Crimper-Roller with a 3 point Hitch

The unique, staggered sectional blade design allows you to roll and crimp in one smooth operation at speeds up to 8 MPH. The Harrell Crop Roller Crimper features tubular steel construction, a category 3 hitch and overlapping drums. It is available in a 6 row rigid frame configuration and 8 or 12 rows with a hydraulic folding toolbar.



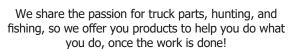






## **DOWN TIME ACTIVITIES**

We have access to one of the best Truck Accessory & Outdoor equipment suppliers in the area, to get all your cleaning, truck and "down-time" needs!



We are proud to offer some of the top brands in the industry for truck accessories and tires, including brands like Rough Country, Toyo, Nitto, Fuel, XD, Tommy Gate, Whitco, and VP Fuel. Not only can we provide a vast variety of truck accessories, but also outdoor brands in the industry including clothing brands like Banded, Columbia, Drake, and Sitka.











# SPEED & VERSATILITY In Any Tillage System

Middleworker point and shares permit high speed operation without slabs and buried crops common to sweep cultivators. Oscillating dual gauge wheels stay clean in muddy conditions while maintaining pinpoint depth control. Convenient lever adjustments allow for instant changes of all critical settings.

# High Speed Cultivation IN A WIDE RANGE OF CONDITIONS

The Hiniker 6000 Cultivator is designed to cultivate fast without burying vulnerable young plants in the row. The unique geometry of the Hiniker 3-piece sweeps ensures thorough cultivation with minimal soil movement into the row.



#### **RIDGING & BEDDING Options**





Flood irrigation, ridge planting, bedding cotton, in fact whenever you need to move soil into the row, the 6000 is your tool. Flip down the adjustable ridgers and conform the soil to your exact specifications.

# Hig in the

## **Highest Toolbar Clearance** in the industry.

#### **Auto-Reset Mechanism**

## for improved rock protection. Exclusive Lever

## (no wrench) Adjustment

of depth, coulter, and down pressure.

#### Oscillating Dual Gauge Wheels

offer planter like depth control.

#### **Chrome Carbide**

**Point** and double sided 1095 steel shares outwear and outweed sweeps without troublesome slabbing.

#### **CUTAWAY DISC** Option



Quick and easy pin adjustments permit 10 horizontal and 14 vertical settings.



"T" Shaped liquid fertilizer tubes place nutrients on each side of the row for better plant uptake.



NH<sub>3</sub> coil shanks accept flat knives for preplant or side-dress application.



Double disc closers help to seal NH<sub>3</sub> in heavy residue conditions.

Our mission statement is to see Deuteronomy 11:12–15 on our farms....a land for which the Lord your God cares for, the eyes of Adonai are always upon it from the beginning of the year up to the end of the year. And if you will diligently heed My commandments—to love the Lord your God and to serve Hmwith all your mind and heart—then I will give rain for your land in its season, the early rain and the late rain—so that you may gather in your crops. I will give grass in your fields for your livestock and you will eat and be satisfied... Because God made