



# PRODUCT 2011 PRODUCT CATALOG CATALOG

**PLUS:** SPECIAL AGRONOMY SECTION

An aerial photograph of a vast, flat agricultural field under a clear blue sky. The field is divided into sections of different shades of brown and tan, indicating different crops or stages of harvest. In the distance, a small cluster of farm buildings and a tall grain elevator are visible. A combine harvester is seen in the lower right corner, moving across the field and leaving a trail of harvested grain behind it.

HARVEST  
STARTS  
HERE



# // SETTING THE PACE THROUGH INNOVATION. //

## HARVEST STARTS HERE ON THE COVER:

Illinois farm operation that uses a Great Plains Turbo-Till, Great Plains 40' Nutri-Pro™ fertilizer bar, and two 40' Great Plains Yield-Pro® Planters with RTK. They use the 40' Nutri-Pro™ bar guidance to precisely place fertilizer between last years harvested Twin-Row corn. It is followed by two Great Plains twin-row Yield-Pro® Planters. These planters plant seed 4" on both sides of the fertilizer which is in the center of a clean, fluffed up seedbed.

## SPRING STRIP-TILLING

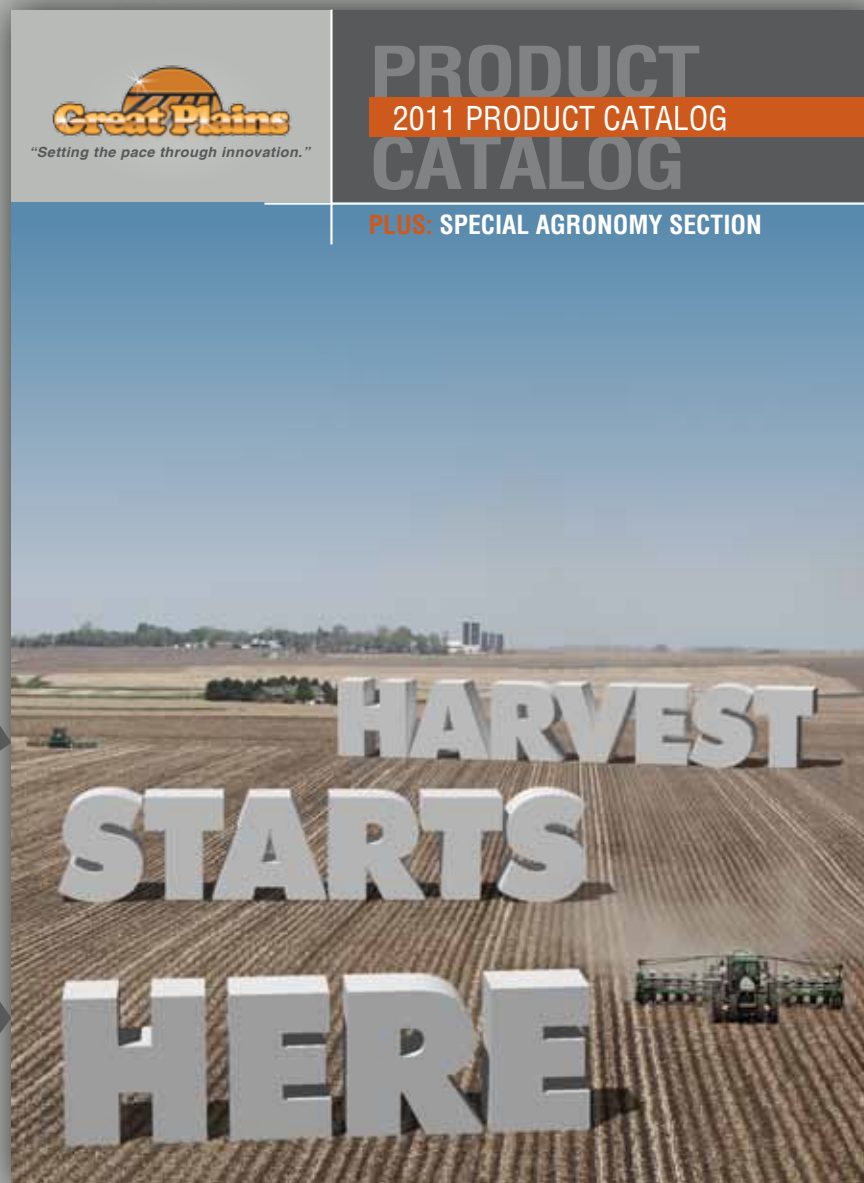
GREAT PLAINS NUTRI-PRO™ BAR IS BEING USED TO:

- A) CREATE A CLEAN, WARM, VERTICALLY TILLED STRIP TO PLANT INTO.
- B) PRECISELY PLACE FERTILIZER BETWEEN LAST YEAR CORN STUBBLE.

## FALL RESIDUE

GREAT PLAINS TURBO-TILL WAS USED IN PREVIOUS FALL TILLAGE OPERATION TO:

- A) SIZE CORN STALKS
- B) MIX RESIDUE WITH SOIL FOR FASTER BREAKDOWN.
- C) LEVEL FIELD
- D) OPEN SOIL FOR BETTER WATER HOLDING CAPABILITIES.



## SPRING CORN PLANTING

THIS GROUND IS BEING PLANTED WITH TWO GREAT PLAINS 16 ROW TWIN-ROW PLANTERS.

## PRODUCT PAGES



Yield-Pro® Planters

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6	4, 6, & 8 ROW PLANTERS
7	12 & 16 ROW PLANTERS
8	30' & 40' PLANTERS
9	20' & 25' 3-POINTS/40' STACK FOLD PLANTERS
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Vertical Tillage

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Conventional Tillage

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# HARVEST STARTS HERE

SPECIAL INSERT (After pg. 18)

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4A	SPRING VERTICAL TILLAGE
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YIELD-PRO®  
PLANTERS  
MODELS  
AVAILABLE



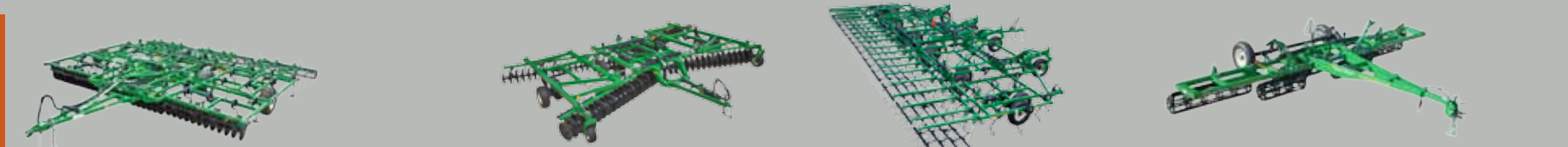
TYPE	PULL-TYPE, 3-POINT (pg 6)		PULL-TYPE, 3-POINT (pg 6)	PULL-TYPE, 3-POINT (pg 6)	3-POINT (pg 9)	PULL-TYPE (pg 7)	PULL-TYPE (pg 8)	PULL-TYPE (pg 7)
MODELS	YP-425A, YP-425A3P		YP-625A, YP-625A3P	YP-825A, YP-825A3P	2025A, 2525A	YP-1225, YP-1225A	YP-30 - 10HDP, 20P, 25	YP-1625, YP-1625A
ROW SPACINGS	30, TR30", 36", TR36", 38", TR38", 40", TR40"		30, TR30", 36", TR36", 38", TR38", 40", TR40"	30, TR30", 36", TR36", 38", TR38", 40", TR40"	2025A - TR30", TR36", TR38", TR40", TR36"15" 2525A - TR30", TR36", TR38", TR40", TR38"15", 9.5", 15"	TR30", TR36", 15", 20", 30"	10HDP (7.5", 10"), 20P (10"), 25 (10", 15", 15" even, 20", 30", TR30", TR36")	TR30", TR36", 15", 20", 30", 36"
*H.P. REQUIREMENTS (min)	75-120		95-160	115-200	210-300	140-205	10HDP (250-350), 20P (280), 25 (150-220)	165-275
WIDTH (markers)	11' 3"		16' 3"	21' 3"	2025A - 21' 2525A - 25' 2"	30'	30'	40'
LENGTH (transport)	12' 10", 5' 10"		12' 10", 5' 10"	12' 10", 5' 10"	5' 2"	36' 2"	39' 6"	41' 2"
CLEARANCE (transport)	depends of tractor hitch, approx. 14"		depends of tractor hitch, approx. 14"	depends of tractor hitch, approx. 14"	1' 5"	22"	22"	22"
HEIGHT (transport)	6' 6" (at 14" ground clearance)		6' 6" (at 14" ground clearance)	6' 6" (at 14" ground clearance)	8' 4"	12' 6"	12' 4"	12' 6"
SEED CAPACITY	(30") 4 bushels, 8 bushels (TR30")		(30") 6 bushels, 12 bushels (TR30")	(30") 8 bushels, 16 bushels (TR30")	(20') 48 bushels, (25') 57 bushels	Seed Company Bulk-Box, 82 bu Poly Hopper, 150 bu Poly Hopper	Seed Company Bulk-Box, 82 bu Poly Hopper, 150 bu Poly Hopper	Seed Company Bulk-Box, 82 bu Poly Hopper, 150 bu Poly Hopper
FERTILIZER CAPACITY	200 gal (1x200), N/A		300 gal (2x150), N/A	400 gal (2x200), N/A	N/A	**Optional 400 gal fertilizer tank	**Optional 400 gal fertilizer tank (2x200), semi-mounted 500 gal (SML-500)	**Optional 400 gal fertilizer tank (2x200)

VERTICAL  
TILLAGE  
MODELS  
AVAILABLE



TYPE	TURBO-TILL SERIES II (pg 12)		TURBO-CHOPPER (pg 13)	ULTRA-TILL (pg 15)	SUB SOILER (pg 15)
MODELS	1200TT, 1500TT,1800TT, 2400TT, 3000TT, 4000TT		1200TC, 1500TC, 1800TC, 2400TC, 3000TC, 4000TC	UT3030, UT5036, UT5042, UT5052	SS1300, SS1700, SS1800, SS2000
SHANK SPACING	N/A		N/A	N/A	24"(Even number of shanks only), 30", 36", 38", 40"
COULTER SPACING	10"		10"	N/A	N/A
DRAWBAR H.P. REQ. (min)	80-100, 120-160, 150-190, 180-250, 240-315, 310-400		80-100, 120-160, 150-190, 180-250, 240-315, 310-400	150-200, 180-250, 200-300, 350+	50 per shank
TILLAGE WIDTH	11' 8", 15', 17' 8", 24', 30', 40'		11' 8", 15' 6", 18', 23' 10", 30' 6", 40' 6"	30', 36', 42', 52'	16', 18', 20', 25'
LENGTH (w/o attachments)	17' 9"		17' 9"	N/A	N/A
WIDTH (transport)	12' 5", 15' 6", 12' 3", 15' 6", 15' 6", 17' 6"		12' 3", 15' 7", 12' 3", 15' 7", 15' 7", 17' 6"	13' 9", 13' 9", 13' 9", 16' 8"	11' 18", 14-19' 5", 13' 1", 15' 5"
HEIGHT (transport)	N/A, N/A, 8' 9", 10' 3", 13' 6", 14' 4"		N/A, N/A, 8' 9", 10' 3", 13' 5", 17' 6"	13' 5", 13', 13' 5", 14' 7"	N/A

CONV.  
TILLAGE  
MODELS  
AVAILABLE



TYPE	8000 SERIES DISC-O-VATOR (pg 22)		DISK HARROW (pg 21)	8000 SERIES FIELD CULTIVATOR (pg 20)	SEEDBED CONDITIONER (pg 23)
MODELS	8315DVN, 8318DVN, 8321DVN, 8324DVN, 8321DV, 8324DV, 8326DV, 8328DV, 8333DV, 8537DV, 8544DV, 8548DV, 8552DV		3323DH, 3326DH, 3329DH, 4330DH, 4333DH, 4336DH	8323FC, 8328FC, 8332FC, 8336FC, 8539FC, 8544FC, 8548FC, 8551FC, 8556FC, 8560FC	2112, 2115, 2317, 2320, 2322, 2325, 2327, 2330, 2332, 2335, 2536, 2538, 2541, 2543, 2546, 2548, 2551
NUMBER OF BLADES	24, 28, 32, 36, 30, 36, 38, 42, 48, 54, 66, 70, 76		9" spacing - 66, 74, 82, 86, 94, 102 7.5" spacing - 78, 86, 98, 102, 110, 122	N/A	N/A
NUMBER OF SHANKS	N/A		N/A	N/A	N/A
DRAWBAR H.P. REQ. (min)	115-135, 135-155, 155-185, 185-200, 125-175, 160-210, 200-250, 225-275, 250-300, 280-340, 320-380, 340-400, 375+		160-230, 182-260, 203-290, 210-300, 231-330, 252-360	120-175, 150-200, 175-220, 200-250, 200-275, 225-300, 250-325, 275-350, 300-375, 325-400	N/A
TILLAGE WIDTH	15' 11", 18' 3", 21' 9", 24' 1", 20", 23' 9", 25' 3", 28", 32', 36', 42' 9", 46' 6", 50' 9"		23' 1", 26', 28' 9", 30' 2", 33' 1", 35' 11"	23', 27' 9", 32' 6", 36', 39' 6", 44', 48' 9", 51', 55' 9", 60' 6"	12' 6", 15', 17' 6", 20", 22' 6", 25', 27' 6", 30', 32' 6", 35', 36', 38' 6", 41', 43' 6", 46', 48' 6", 51'
WIDTH (transport)	9' 10", 9' 10", 9' 10", 9' 10", 14', 14', 14', 14', 16' 1", 15', 15', 18' 3", 18' 3"		13' 10", 13' 10", 13' 10", 17' 10", 17' 10", 17' 10"	14', 14', 14', 16' 1", 15', 15', 15', 16' 10", 16' 10", 16' 10"	14' 3", 16' 10", 15', 15', 15', 15', 15', 17' 6", 17' 6", 16' 6", 16' 6", 16' 6", 16' 6", 16' 6"
HEIGHT (transport)	8' 6", 9' 6", 10' 9", 12' 3", 9' 3", 10' 9", 12', 13' 3", 14' 3", 12' 6", 13' 3", 14' 9", 14' 9"		11', 12' 4", 13' 8", 12' 4", 13' 8", 15'	10', 12' 6", 14' 8", 15' 3", 11' 9", 14', 14', 14', 16' 4", 16' 4"	N/A, N/A, 6' 9", 8', 9' 3", 10' 6", 11' 9", 13', 13', 14' 3", 12' 6", 12' 6", 12' 6", 13' 9", 13' 9", 13' 9", 15'

COMPACT  
DRILL  
MODELS  
AVAILABLE



TYPE	3-POINT MIN-TILL (pg 25)	3-POINT MIN-TILL (pg 25)	3-POINT NO-TILL (pg 25)	PULL-TYPE END WHEEL NO-TILL (pg 25)	PULL-TYPE END WHEEL NO-TILL (pg 25)	PULL-TYPE END WHEEL MIN-TILL (pg 25)	2-POINT/3-POINT NO-TILL (pg 25)
MODELS	3P500, 3P500V	3P600	3P606NT	606NT	706NT	800	3P806NT
ROW SPACINGS	6" (15.24 cm), 7.25" <sup>AB</sup> , 7.5" (19.05 cm)	6"(15.24 cm), 7.5" (19.05 cm)	7.5" (19.05 cm)	7.5" (19.05 cm)	7.5" (19.05 cm)	6" (15.24 cm), 7.5" (19.05 cm)	7.5" (19.05 cm)
NUMBER OF OPENERS	9 - 6" spacing, 8 - 7.25" <sup>AB</sup> , 7 - 7.5" spacing	11 - 6" spacing, 9 - 7.5" spacing	9	9	10	15 - 6" spacing, 12 - 7.5" spacing	13
H.P. REQUIREMENTS (min)	35 h.p.	40 h.p.	60 h.p.	40 h.p.	50 h.p.	45 h.p.	80 h.p.
<sup>A</sup> WEIGHT (approx.)	1,200 lbs (544 kg), 1,100 lbs (499 kg)	1,500 lbs (680 kg)	2,280 lbs (1,034 kg)	2,700 lbs (1,124 kg)	3,900 lbs (1,769 kg)	2,379 lbs (1,079 kg)	4,350 lbs (1,973 kg)
WORKING WIDTH	5' (1.52 m)	6' (1.83 m)	6' (1.83 m)	6' (1.83 m)	7' (2.13 m)	7' 6" (2.28 m)	8' (2.43 m)
LENGTH (transport)	Varies by Tractor	Varies by Tractor	Varies by Tractor	11' 5" (3.48 m)	13' 10" (4.22 m)	12' (3.66 m)	12' 1" (3.68 m) w/ lift assist
CLEARANCE (transport)	Varies by Tractor	Varies by Tractor	Varies by Tractor	14" (35.6 cm)	13.5" (34.29 cm)	9" (22.86 cm)	Varies by Tractor
HEIGHT (transport)	Varies by Tractor	Varies by Tractor	Varies by Tractor	5' 1" (1.55 m)	7' (2.13 m)	5' 4" (1.63 m)	7' 8" (2.34 m)
OPENER SERIES	00 Series	00 Series	06 Series	06 Series	06 Series	00 Series	06 Series
MAIN BOX CAPACITY	10 bu., (8.5 bu. Vineyard)	12 bu.	12 bu.	12 bu.	17.5 bu.	16 bu.	16 bu.
SMALL SEED BOX	1.2 bu.	1.44 bu.	1.44 bu.	1.44 bu.	1.68 bu.	2 bu.	1.92 bu.
NATIVE GRASS BOX	N/A	N/A	6 bu.	6 bu.	7 bu.	N/A	8 bu.
FERTILIZER	N/A	N/A	N/A	N/A	6.5 cu./ft.	8 cu. ft.	7.36 cu./ft.

DRILL  
MODELS  
AVAILABLE



TYPE	PULL-TYPE END WHEEL NO-TILL (pg 25-26)	3-POINT MIN-TILL (pg 26)	3-POINT MIN-TILL (pg 26)	3-POINT MIN-TILL (pg 26)	3-POINT MIN-TILL (pg 26)	PULL-TYPE MIN-TILL (pg 27)	PULL-TYPE NO-TILL (pg 28)
MODELS	1206NT	1200, 3PNG12	1500, 3PNG15	2000	2510HD	2SF24, 2SF30	2N-2410, 2N-3010
ROW SPACINGS	7", 7 1/2", 8"	6", 7", 7 1/2", 8", 10"	6", 7", 7 1/2", 8", 10"	6", 7", 7 1/2", 8", 10"	7 1/2", 10", 15", TR30", TR30"/Split	6", 7", 7 1/2", 8", 10"	7 1/2", 10"
NUMBER OF OPENERS	20,19, 18	24, 20, 19, 18, 14	30, 26, 24, 22, 18	40, 34, 32, 30, 24	N/A	2SF24=48, 40, 38, 36, 28 2SF30=60, 52, 48, 44, 36	2N-2410=38, 28 2N-3010=48, 36
H.P. REQUIREMENTS (min)	100+	80+	90+	125+	225+	125+, 140+	2N-2410=175+ 2N-3010= 210+
WORKING WIDTH	12'	12'	15'	20'	25'	24', 30'	24', 30'
TRANSPORT WIDTH	15' 7"	12'	15'	20'	25'	14'	17' 1"
TRANSPORT HEIGHT	7"	8' 4"	8' 4"	8' 4"	8' 4"	7' 7"	8' 4"
OPENER SERIES	06 Series	00 Series	00, 10, 10HD, 25 Series	00, 10, 10HD, 25 Series	10HD, 20, 25 Series	00 Series	10 Series
MAIN BOX CAPACITY	28.8 bu	28.8 bu, 24 bu	36 bu	48 bu	60 bu	N/A	48 bu, 60 bu
FERTILIZER	12 cu ft	N/A	N/A	N/A	N/A	N/A	N/A





## 4 | 5



TYPE	NUTRI-PRO™ LIQUID (pg 16)	NUTRI-PRO™ ANHYDROUS (pg 17)
MODELS	NP3000, NP4000	NP30A, NP40A
ROW SPACINGS	30"	30"
ROW COUNT	NP3000 (11, 12, 13), NP4000 (15, 16, 17)	NP30A (11, 12, 13) NP40A (15, 16, 17)
DRAWBAR H.P. REQ. (min)	155-195, 180-225	155-195, 180-225
WEIGHT (approx. max)	NP3000 2P & 3P (8,100 lbs), Pull-Type (11,500 lbs), NP4000 2P & 3P (9,400 lbs), Pull-Type (12,800 lbs)	NP30A 2P & 3P (8,100 lbs), Pull-Type (11,500 lbs), NP40A 2P & 3P (9,400 lbs), Pull-Type (12,800 lbs)
TILLAGE WIDTH	30', 40'	30', 40'
WIDTH (transport)	17', 17' 9"	17', 17' 9"
HEIGHT (transport)	13' 4", 13' 6"	13' 4", 13' 6"
HEIGHT (transport)	15"	15"



TYPE	NO-TILL AIR DRILLS (pg 33)	NARROW TRANSPORT NO-TILL AIR DRILLS (pg 33)
MODELS	<b>NTA-3010, NTA-3510</b>	<b>NTA-2007HD, NTA-3007HD</b>
WORKING WIDTH	30', 35'	20', 30'
TRANSPORT WIDTH	16' 10"	10'
LENGTH	16'	32', 37'
H.P. REQUIREMENTS (min)	275+	170+, 275+



TYPE	350 BUSHEL AIR CARTS (pg 32-33)	220 BUSHEL AIR CART (pg 32-33)
MODELS	ADC2350, ADC2350B	ADC2220
CAPACITY	2-175 bu Tanks	2-110 bu Tanks
WIDTH	9' 10", 12' 6"	12' 2"
LENGTH	25'	18' 10"



TYPE	MOUNTED SPRAYER (pg 18)	PULL-TYPE SPRAYERS (pg 18-19)
MODELS	<b>3P300</b>	<b>TSF-660, TSF-1060, TSF-1080, TSF-1090, TSF-1260, TSF-1260, TSF-1290</b>
WORKING WIDTH	60'	60', 60', 80', 90', 60', 80' 90'
TRANSPORT WIDTH	12' 9"	9' Adjustable, 12', 12', 12', 12', 12', 12'
TRANSPORT HEIGHT	12' 2"	12', 13' 6", 13' 6", 13' 6", 13' 6", 13' 6", 13' 6"
CAPACITY	300 gal	650 gal, 1000 gal, 1000 gal, 1000 gal, 1230 gal, 1230 gal, 1230 gal
H.P. REQUIREMENTS (min)	120+	125+, 140+, 140+, 140+, 150+, 150+, 150+

**\*\*Will not work on 150 bushel hopper.**

<sup>aa</sup>7 1/4" spacing available on vineyard models only.

Great Plains reserves the right to vary specifications with or without notice at such times in such manner as deemed appropriate. Major as well as minor changes may be involved. Every effort, however, is made to ensure the accuracy of the particulars contained in this brochure. Consult your dealer for details regarding the specifications of any product. All sales are made by the Distributor or Dealer subject to and with the benefit of the standard Conditions of Sale and Warranty provided by the Distributor or Dealer, copies of which may be obtained upon request.



**MODELS**  
YP-425A  
YP-625A  
YP-825A

**NEW**  
FOR  
**2011**



YP-625A3P 3-Point Model Shown With Optional Markers and Twin-Row Configurations

## Productivity in a Smaller Package

Allows smaller farmers access to the same yield increasing technologies as our larger planters. The Air-Pro® metering system is standard on all 4 row planters, setting a new

level of spacing accuracy at 99.5%\*. These planters can also increase yields by taking advantage of the Twin-Row concept. Visit [www.twin-row.com](http://www.twin-row.com) for more information.

\*Lab results with Air-Pro® meters and Clear-Shot® seed tube combination metering medium round seeds.



## FEATURES & BENEFITS



**POLY HOPPERS** - Poly seed boxes provide consistent gravity feed to Air-Pro® meters. Designed for row spacing down to 8" Twin-Row. Each has 1 bu. capacity.



**POSITIVE AIR SYSTEM** - The 6" hydraulic fan provides positive air pressure to meter seeds without worry of air leaks.



**ROW SHUT-OFF** - Handy slide gates make turning off individual rows quick and easy.



**MODELS** YP-1225  
YP-1625



YP-1225A Model Shown With Optional Markers, Fertilizer, and Twin-Row Configurations



**Yield-Professionals**

Simply load the onboard 82 or 150 bushel poly hoppers and start planting or seed directly from the seed companies bulk box. A 400 gallon starter fertilizer system featuring ground driven CDS-John Blue piston pump may be added to planters equipped with a seed company bulk box or 82 bushel hopper.



**FEATURES & BENEFITS**

25 Series



**BULK SEED BOXES** - Poly hoppers and seed companies bulk seed boxes are completely interchangeable.



**380/90 R46 TIRES** - Provide great flotation while being narrow enough to not run over any planted rows on 30" or Twin-Row 30".



**8" HYDRAULIC FAN** - Provides plenty of air to both the seed metering and seed delivery manifolds. Seed metering receives priority to insure accurate singulation. Priority is controlled through the IntelliAg™ planter control system.



# MODELS YP-3025 YP-4025



YP-30 Model Shown With Optional Twin-Row Configurations



## Singulating Planting

The YP-30 redefines planting flexibility with a choice of 3 openers and 8 row spacings. These 30' frames can be equipped with: 10HDP series openers for 7 1/2" wheat and 15" soybeans; 20P series openers with side depth

gauging wheels that can plant on 8" or 10" row spacings; 25 series openers that offer superior seed placement available on 10", 15", 30", and 30" Twin-Row spacing.

### AVAILABLE ROW UNITS

#### 25 Series



#### 10HDP Series



#### 20P Series



## FEATURES & BENEFITS



**SUPERIOR FLEX** - Designed to flex in the field up to 20 degrees up and 20 degrees down. Couple that with a floating hitch and this unit can handle the toughest terrain with ease.



**8" HYDRAULIC FAN** - Provides plenty of air to both the seed metering and seed delivery manifolds. Seed metering receives priority to insure accurate singulation. Priority is controlled through the IntelliAg™ planter control system.



**OPTIONAL SEMI-MOUNTED FERTILIZER CART** - 500 gallon for YP-3025 and 500 or 750 gallon for YP-4025. Semi-mounted allows the operator to easily back into covers without "jack knifing".





2525A Model Shown With Optional Twin-Row Configurations

## Boxed Convenience

Whether you plant flat or on beds, the 2025A and 2525A give you the best of both worlds. The box capacity of a drill and the precision seed singulation and placement of a planter. Air-Pro® metering coupled with

Clear-Shot® seed tubes will plant a wide variety of seeds including corn, soybeans, milo, and cotton. Heavy Duty straddle axle gauge wheels are easily adjusted from planting flat to running on beds.

MODELS  
2025A  
2525A

## FEATURES & BENEFITS



**TUNED MANIFOLDS** - Each Air-Pro® planter is engineered to include a tuned manifold and tested to ensure the same amount of air is provided to each row unit.



**SENSORS** - The sensors in row units constantly measure and adjust pressure in the meters, maintaining optimal pressure for excellent seed metering.



**SPRING LOADED CONTACT GROUND DRIVE** - Allows the drive wheel to absorb undulations in the field to insure consistent drive speed.



3PYP Model Shown With Optional Markers and Twin-Row Configurations

## Versatility

With the versatility of multiple row-spacing configurations and the productivity of a bulk seed hopper, the 40-foot stack fold planter from Great Plains is truly in a class by itself. Efficiency starts with a choice of single-row

spacings from 15 to 40 inches, as well as, twin-row configurations of 30, 36, 38 and 40 inches - ensuring a planter to fit every customer's needs.

MODELS  
3PYP

## FEATURES & BENEFITS



**REAR LIFT ASSIST** - Carries the bulk seed as well as some toolbar weight when lifted and transported.



**STEERABLE LIFT ASSIST** - Is standard equipment providing positive steering forward and reverse up to 8 mph.



**HYDRAULIC WEIGHT TRANSFER (Opt.)** - Transfers weight from the center section of the machine to the wings to maintain consistent depth in tough conditions.



# MODELS YP-2425



YP-2425 Model Shown With Optional Markers and Twin-Row Configurations

## 60' Bulk Yield-Pro® Planter

Great Plains proudly introduces the industry's first 60' planter that has the ability to plant 15" and Twin-Row 30" (20 and 30-inch spacings are also available.) The YP-2425 features a floating hitch design that provides the

flexibility to meet challenging terrain. Yet, the 60' Yield-Pro® model easily folds to a transport width of only 14 feet, 10 inches. The telescoping tongue retracts in field position for short headlands and outstanding maneuverability.



## FEATURES & BENEFITS



**BULK SEED BOXES** - Poly hoppers and seed companies bulk seed boxes are completely interchangeable.

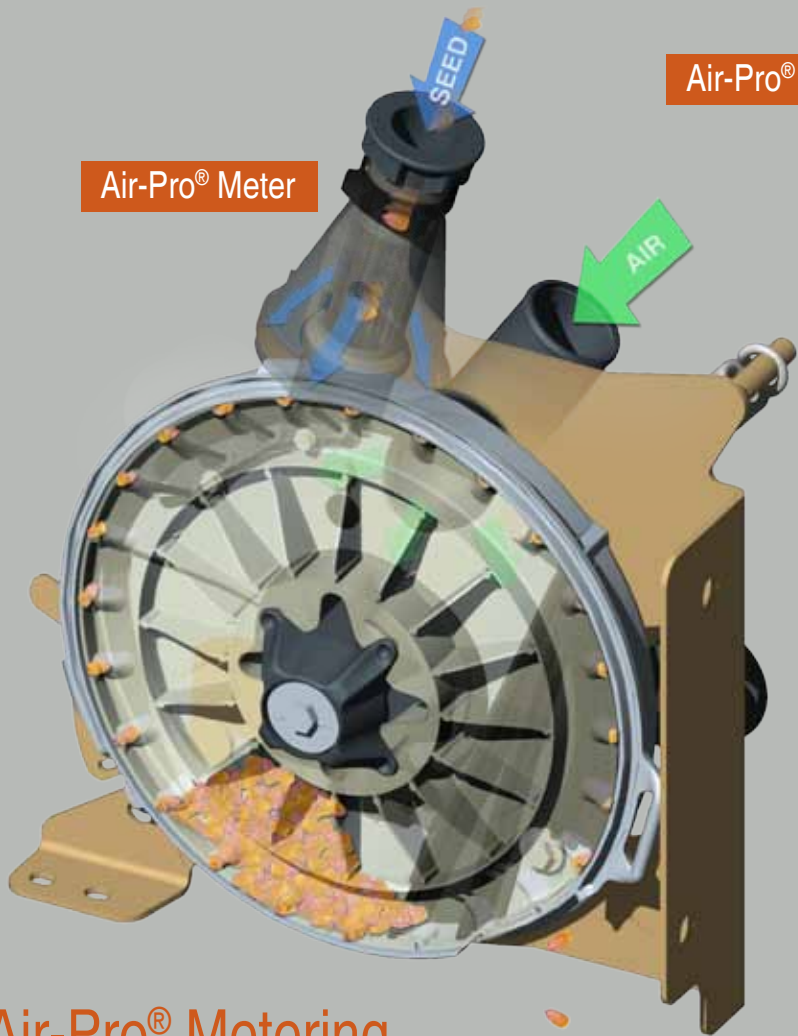


**TELESCOPING TONGUE** - The telescoping tongue puts planter closer to tractor in field position allowing tighter turning on end rows.



**OPTIONAL SEMI-MOUNTED FERTILIZER CART**





Air-Pro® Meter

Air-Pro® Cover



Air-Pro® Simplicity



## Air-Pro® Metering

Air-Pro® meters load seed in the seed disc with air pressure. As the seed rotates it enters the brush area; air is cut off and is now mechanically held in the seed disc until it is “dead dropped”

directly into the Clear-Shot® seed tube. This results in consistent seed drop, unlike competitive vacuum meters that have “early” and “late” release, which effects spacing.

## FEATURES & BENEFITS



**AIR MANIFOLD** - The air manifold on Air-Pro® planters is designed with a baffle and damper system to provide even air pressure to all Air-Pro® meters.



**CLEAR-SHOT® SEED TUBE** - Designed to maintain excellent seed spacing at higher planting speeds. Sensor sees through the seed tube allowing unobstructed seed flow all the way to the seed trench.



**POSITIVE AIR SYSTEM** - The 8" hydraulic (6" on 4, 6, & 8 row planters) fan provides positive air pressure to meter seeds without worry of air leaks.

## FEATURES & BENEFITS

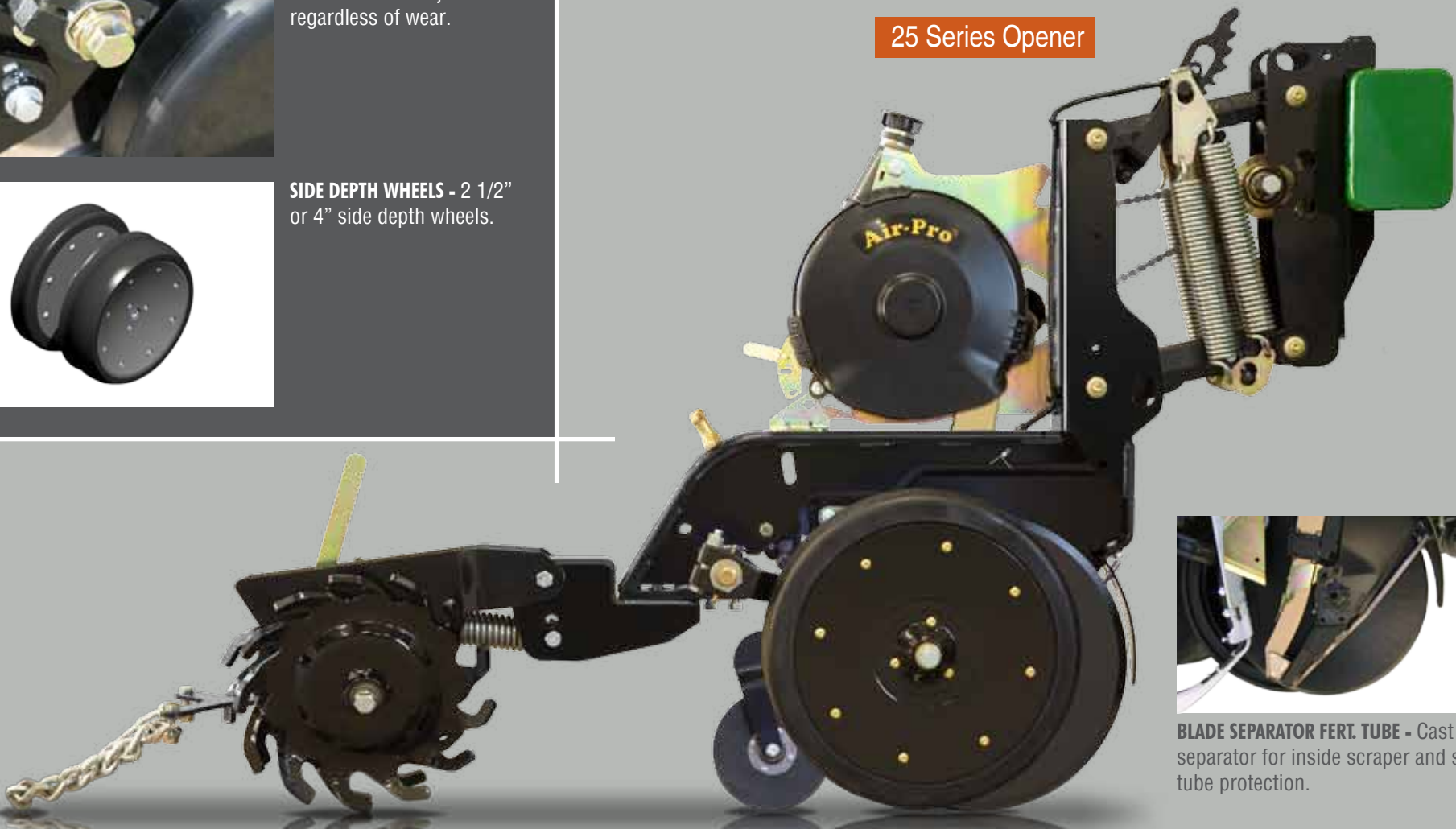


**ELIMINATOR ARMS** - Provide easy, precise side depth wheel to blade adjustment regardless of wear.



**SIDE DEPTH WHEELS** - 2 1/2" or 4" side depth wheels.

25 Series Opener



**BLADE SEPARATOR FERT. TUBE** - Cast blade separator for inside scraper and seed tube protection.



MODELS 1200TT  
1500TT  
1800TT  
2400TT  
3000TT  
4000TT



2400TT Model Shown With Options Included

## Leading the Pack

The Series II Turbo-Till builds on the solid reputation of the original Turbo-Till as the most versatile vertical tillage tool available. It utilizes two ranks of our exclusive turbo coulters to aggressively chop

residue without hairpinning. Turbo-Till effectively manages residue and reduces compaction in a wide range of conditions providing a consistent well prepared seedbed for planting.



## FEATURES & BENEFITS



**TURBO COULTER** - The turbo design allows the blade flute to attack the residue vertically, providing improved cutting, penetration, and decreased hair-pinning.



**DROP AXLE** - The greaseless anti-rotational pivot pin virtually eliminates wear in the drop axle pivot.



**RUBBER MOUNTED BEARINGS** - Greaseable heavy-duty, and self aligning gang bearings provide excellent wear life and outstanding rock protection.



**HYD. WEIGHT TRANSFER** - Transfer valve transfers weight from center to wings providing even, constant down pressure to the full width of the machine.



Which seedbed will your planter like?



Competitor



Turbo-Chopper

Turbo-Chopper

13

MODELS 1500TC  
1800TC  
2400TC  
3000TC  
4000TC



2400TC Model Shown With Options



## Turbo with a Twist

The Turbo-Chopper from Great Plains combines our aggressive Turbo Blades with the action of a turbo patterned chopper reel. This creates a “crisscross” pattern for chopping residue and working the soil while still maintaining the benefits of vertical tillage.

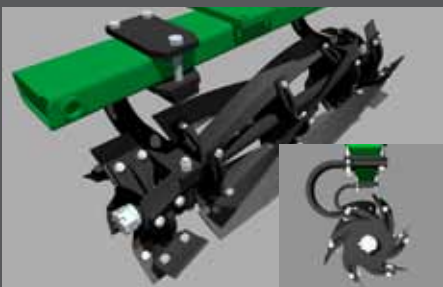
### Tillage Pass

Turbo Coulter Gangs

Turbo Chopper Gangs

**TURBO-CHOPPER** - Sizes residue from 2 directions in one pass. Coulters run between each chopper reel and in the middle of the C-Shank mounting locations.

## FEATURES & BENEFITS



**CHOPPER BLADES** - The angled chopper blades run perpendicular to the Turbo Blades ensuring complete and thorough chopping of the residue and a profile that is level and uniform to the depth of the front coulters.



**ROLLING SPIKE HARROW** - Lossens, levels and breaks up clods. This attachment puts the “finishing touch” on the perfect seedbed.

**CHOPPER GANGS** - Both the Turbo gang and the chopper gang are suspended by 1" x 3" C-shanks and both gangs use the heavy duty 211 rubber cushioned cast bearing to provide reliable service.



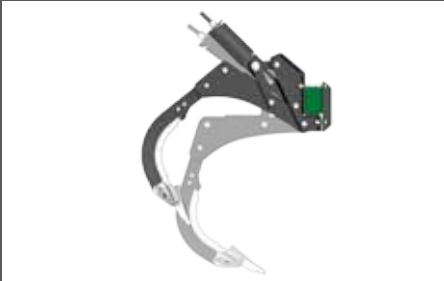
**TURBO-CHISEL MODELS** TC5109, TC5111, TC5113, TC5115, TC5313, TC5315, TC5317, TC5319, TC5321, TC5323  
**Narrow Transport**  
TCN5107, TCN5309, TCN5311, TCN5313

FEATURES & BENEFITS

**TURBO COULTER** - The turbo design allows the blade flute to attack the residue vertically, providing improved cutting, penetration, and decreased hair-pinning.



**TOGGLE TRIP RESET SHANK** - The Heavy Duty Toggle Trip Shank has a 2450 lbs. horizontal trip force and will automatically reset when tripped.



Folding Turbo-Chisel TC5313 Model Shown

Flexibility

This unit offers the flexibility to till up to 12” deep. If your goal, is to size and incorporate residue in the top 4-5” of

top soil and leave the soil level enough for a single pass tool in the spring, this is the tool of choice!

**VERTI-TILL MODELS** Standard VT5300A, VT7225A, VT7300A, VT9225A  
**Maximum Coverage**  
VT4360A, VT6360A

FEATURES & BENEFITS

**INDEPENDENT DEPTH ADJUSTMENT** - Large scales show depths for shanks and coulters separately.



**20” COULTER BLADES** - Turbo Coulters size residue and loosen soil without making density layers.



Standard Verti-Till VT7300A Model Shown With Optional Seedbed Conditioner

Shank Selection



**1 1/4” PARABOLIC SHANK** - Is our most aggressive vertical soil mixing shanks. When equipped with 7” wing points they offer up to 75% residue mixing.



**AUTO RESET WITH 3/4” SPRING STEEL SHANK** - With exclusive 10” no-till point minimizes soil disturbance while creates maximum fracture below the surface.



**SHEAR BOLT WITH 1 1/4” STRAIGHT SHANK** - With either 2” or 7” point will not only fracture under the surface but will give more surface disturbance.

Standard & Maximum

Combine seedbed preparation and the yield enhancing properties of vertical tillage in a single machine. The Verti-Till from Great Plains is designed to cut and size residue, as well as deep rip horizontal density layers in one pass. Since it does not move soil horizontally, virtually no ridging occurs.





SS1300 Model Shown

## Destroy Layers

The InLine Sub Soiler is another step in the evolution of our vertical tillage family, designed to eliminate the compaction layer created by horizontal tillage tools such as plows, disks and sweep implements.

### Shank Selection



**AUTO RESET WITH 3/4" SPRING STEEL SHANK** - With exclusive 10" no-till point minimizes soil disturbance while creates maximum fracture below the surface.



**SHEAR BOLT WITH 1 1/4" STRAIGHT SHANK** - With either 2" or 7" point will not only fracture under the surface but will give more surface disturbance.



Ultra-Till UT5036 Model Shown

## Ultimate Seedbed

Ultra-Till is intended for secondary field operations and field finishing prior to planting. Ultra-Till should be compared to a field finisher or a field cultivator, but with one major difference – since it

has no shovels mounted on shanks, it will not create yield robbing horizontal soil density layers. It is these layers that roots have trouble penetrating.

### SUB SOILER MODELS

1500TC, 1800TC, 2400TC, 3000TC, 4000TC

## FEATURES & BENEFITS



**HEAVY DUTY HINGES** - Reinforced large diameter greaseable pivot pins and extra heavy steel gussets mean the wings can take as much abuse as the center section.



**ADJUSTABLE GAUGE WHEEL** - A screw jack makes adjusting the gauge wheels simple and easy.

### ULTRA-TILL MODELS

UT3030, UT5036, UT5042, UT5052

## FEATURES & BENEFITS



**ROLLING HARROW MODULES** - Prepare the perfect seedbed by leveling the ground and crushing the clods.



**CONSTANT LEVEL HITCH** - The exclusive hitch design provides constant leveling of the unit as it is raised and lowered.



MODELS NP3000  
NP4000

**NEW**  
FOR **2011**



Nutri-Pro™ NP4000 Model Shown

## Liquid Application

Not only are producers looking for “Pre-Apply” bars, they are also looking for bars that can double for side-dressing. Many producers would like to pre-apply their nitrogen, then precision plant over the top with RTK.

Nutri-Pro™ offers a new approach to these challenges and is once again “Setting the Pace Through Innovation.” A totally new approach to fertilizer is the 3-coulter option

with a row cleaner. This option allows the producer to pre-apply liquid fertilizer prior to planting, do mild tillage in the row and clear the residue with a row cleaner. The result...precision placed fertilizer in a clean, warm, fast emerging seedbed for the planter to precisely plant the seed. Because producer requirements and terrain vary, Nutri-Pro™ is available as a floating tongue pull-type, 3-point, or semi-mounted with lift assist wheels.



## FEATURES & BENEFITS



**HYD. WEIGHT TRANSFER -** Transfer valve transfers weight from center to wings providing even, constant down pressure to the full width.



**LIQUID FERTILIZER -** Is applied with the field proven Vantage I-20.



**PUMPS -** Choose variable rate using the Raven Controller and Hydraulic driven pump, or ground driven John Blue piston pump for set rate applications.





MODELS NP30A  
NP40A



Nutri-Pro™ NP40A Model Shown



Anhydrous Shank



Anhydrous Application

Anhydrous is still a popular form of nitrogen, but more and more producers are looking for a way to improve the efficiency of their nitrogen. Nutri-Pro™ can not only be set up as a pull-type unit, but can also be semi-mounted with lift assist for precision placement with RTK. Single or double Raven

Super Coolers are available and can be for single rate or variable rate application. Sealing is also a concern that can be put to rest with one of three choices of sealers. Choose from double disk, basket, or the all new, “Spider Wheel” closers. A cushioned rear hitch is available to pull a tank.



FEATURES & BENEFITS



**DISTRIBUTOR TOWERS** - The S.S. manifold insures that the same amount of NH<sub>3</sub> given to each row. All hoses are the length as well.



**TANK BREAKAWAY** - Safety is also a concern. Hose breakaways are standard. Plumbing is pressure checked at the factory to insure safety.



**SUPER COOLER** - Single or double super coolers are available depending on the rate of “N” required and the temperature and ground speed.



**SPIDER SEALER** - While there are 3 choices of closers (sealers), the new spider closers handle heavy residue very well and firm the soil over the gas to provide excellent sealing.



**MODELS** TSF-660, TSF-1060,  
TSF-1080, TSF-1090,  
TSF-1260, TSF-1280,  
TSF-1290



TSF-660 With 60' Boom

## Not Just Your Common Sprayer

Great Plains' sprayer line offers units from an economical 300 gallon 3-point sprayer up to the 1230 gallon unit with 90' booms. Great Plains has set

the standard with its rugged boom construction, patented MeterCone® nozzles, Exclusive Whirlfilters, and most of all unmatched spray canopy pattern.

### MeterCone® Nozzles

Independent testing proves that MeterCone® nozzles penetrate all levels of plant canopies better than other leading nozzles. At 60 PSI a 2.5 MeterCone® has a volume mean particle diameter of 206.66 microns ... too large to drift but small enough to maintain velocity and "drive to the target".



### Exclusive Whirlfilters

The Exclusive WhirlFilter from Great Plains utilizes a continuous swirling motion around a stainless steel screen that dissolves or removes large particles before they enter the spraying system. Particles that won't break down are removed from the system with the flush valve, and you never have to touch the disposed particles or liquid.



## FEATURES & BENEFITS



**CONTROL PANEL** - Central control panels on pull-type models makes filling and flushing faster and easier.



**HYD. ELEVATORS** - Great Plains sprayers utilize hydraulic elevators to raise and lower boom. This design stabilizes and gives more up and down range to booms.



**BOOMS** - Great Plains booms feature a spring over shock design similar to that of a car. Competitive spring/spring designs give suspension but little stability.



**360° SPRAYER HEADS** - 360° Spray heads ensure complete chemical clean-out on the inside of the spray tanks in the rinse and flush cycle.



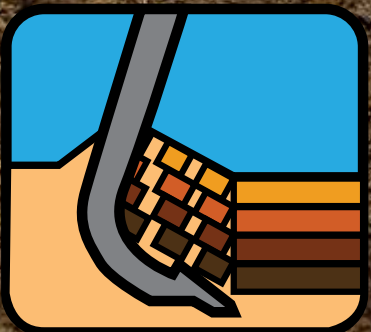


# HARVEST STARTS HERE

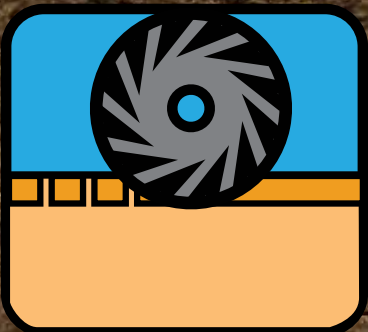


5 AGRONOMIC PRINCIPLES THAT ARE PROVEN TO  
**INCREASE YIELDS**

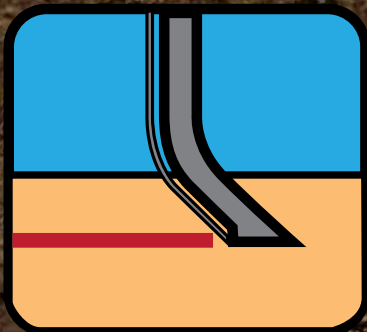
FALL VERTICAL TILLAGE



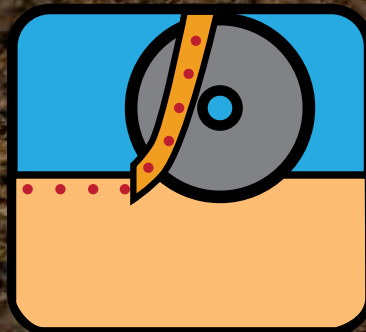
SPRING VERTICAL TILLAGE



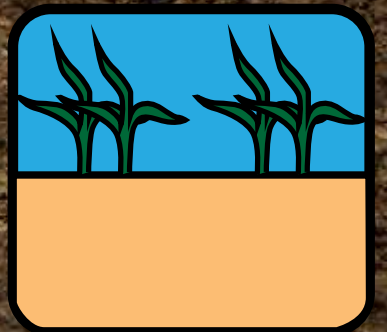
FERTILIZER PLACEMENT



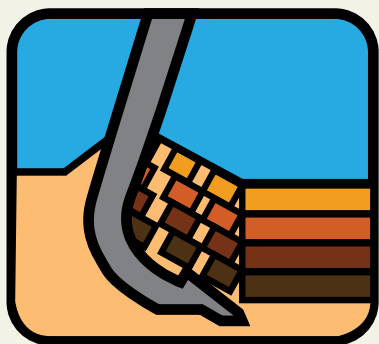
PLANTER ACCURACY



TWIN-ROW SPACING







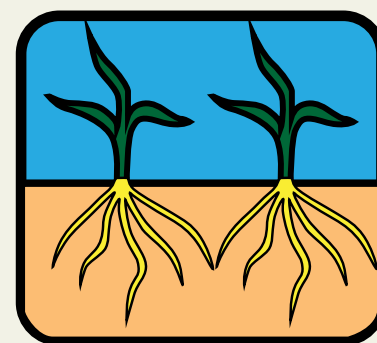
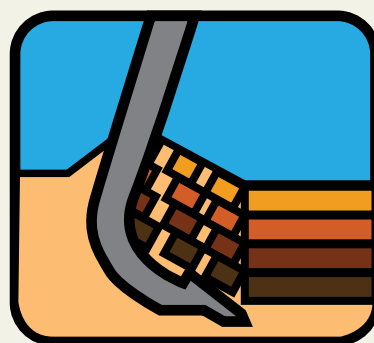
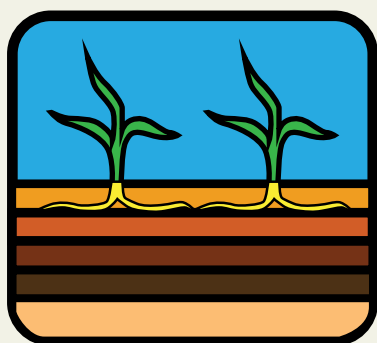
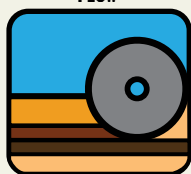
# FALL VERTICAL TILLAGE

## RESET SOIL PROFILE AND MANAGE RESIDUE

### REMOVE LAYERS

If you are transitioning from conventional tillage to vertical tillage or no-till, the first step is to remove all density layers. Density layers are caused by plowing, disking, and field cultivating. The best way to remove them is to use an in-line sub soiler. If sub-soiling is done correctly you win with increased yields. Do it wrong and you just waste a lot of time and fuel.

To achieve the desired results you must shatter the ground horizontally between the shanks a minimum of 6" below the surface. Point design that promotes fracture without blowout is important as well. In general, your depth needs to be half of your shank spacing (13" to 15" deep for 30" spacing). If your top soil won't allow 15" depth, consider 24" spacing with 10" to 12" depth.



Great Plains no-till points shatter better than competitive points with less surface disturbance.

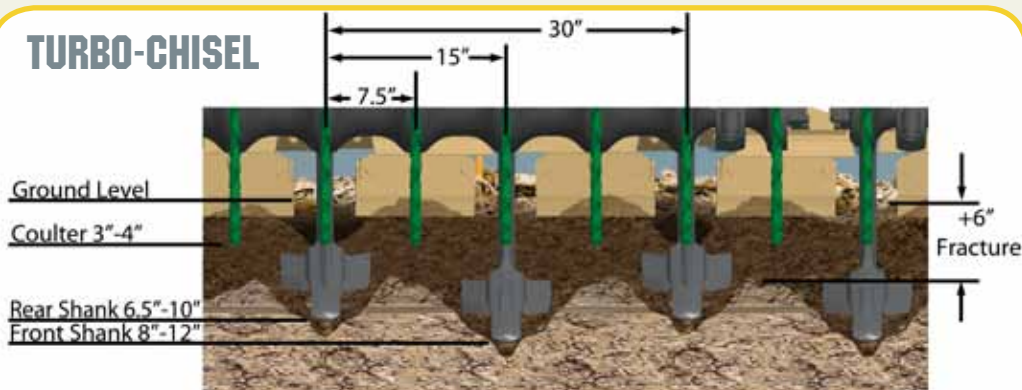


### MAINTAIN DENSITY AND MANAGE RESIDUE

Once you have removed all density layers you need to maintain them from year to year. At times you have to harvest or plant in less than ideal condition. Fall is a good time to fix those issues for the new planting season. Turbo-Chisel is a great tool to remove compaction

layers up to 12" deep and vertically till to a uniform 4+ inches deep. It sizes residue, dislodges root balls, incorporates residue and leaves a smooth, level surface for a follow-up pass in the spring. This is an excellent method for continuous corn-on-corn operations.

#### TURBO-CHISEL



#### TURBO-CHISEL WORKED





## FALL RESIDUE MANAGEMENT

When density layers are not present but residue management is needed, a pass with a vertical tillage tool like Turbo-Till or Turbo-Chopper works best. These machines also work great in a no-till operation to manage residue with or without burying residue. A shallow vertical tillage tool needs to do several things well. It needs to;

1. Open up the soil profile to allow water to be absorbed instead of running off.
2. Size residue into planter manageable pieces.
3. Not add horizontal layers.
4. Mix soil and residue for faster decomposition.
5. Lace and anchor residue to the ground.
6. Work soil to a consistent depth across entire width of tool.



Turbo-Till and Turbo-Chopper work the ground vertically. Because they never move soil sideways, they can run at any speed without ridging.



### CAUTION

**JUST BECAUSE IT SAYS IT'S "VERTICAL TILLAGE" DOESN'T MAKE IT VERTICAL TILLAGE.**

A lot of companies are now marketing tools claiming to be "Vertical Tillage", most are retrofitted disks with low concavity fluted disk blades. Basically a high speed disk that creates density layers just like a disk.

Cupped blades throw soil sideways.



Ridges caused by cupped disks.



## "The Root Of All Yields"

**5 Year Farm Journal Study (East Central II.)**  
Vertical Tillage vs. Conventional Tillage  
Average Statistical Yield Impact  
(all fields, all soil types)



**Vertical Tillage Increased Yields**  
**by**

**12.7** bu./acre

## YIELD RESPONSE

In a 5 year Farm Journal study vertical tillage corn out-yielded conventional tillage corn by 12.7bu./Acre. Some soil types did better some a little less but all benefited from vertical tillage.

## TOOLS FOR THE JOB



**SUB-SOILER**



**VERTI-TILL**

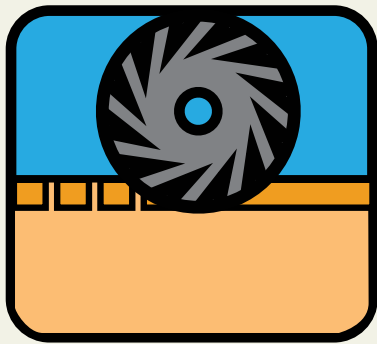


**TURBO-CHISEL**



**TURBO-TILL**





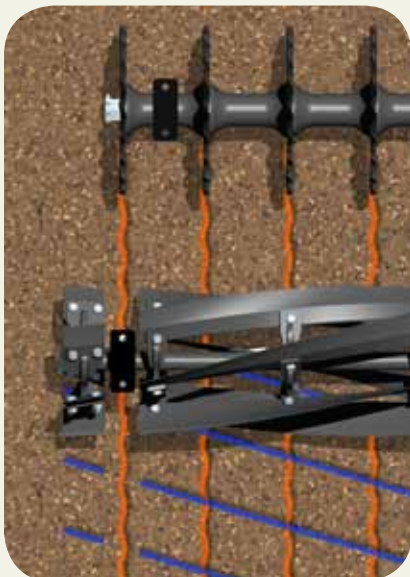
# SPRING VERTICAL TILLAGE

## CREATE THE ULTIMATE VERTICAL SEEDBED

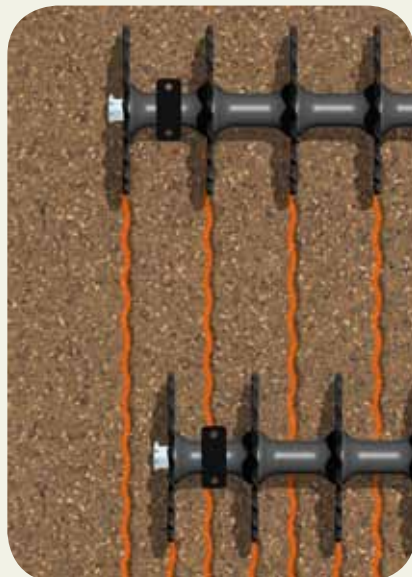
### MANAGE RESIDUE

The first job of a spring vertical tillage tool is to manage residue. It should chop it into planter size pieces that can be easily moved with a row cleaner and flow through the planter. The image below shows how the Turbo Chopper slices residue in the direction of travel then the chopper reels chop it perpendicular to the coulters. Turbo-Till on the other hand sizes residue to 5" pieces.

TURBO-CHOPPER

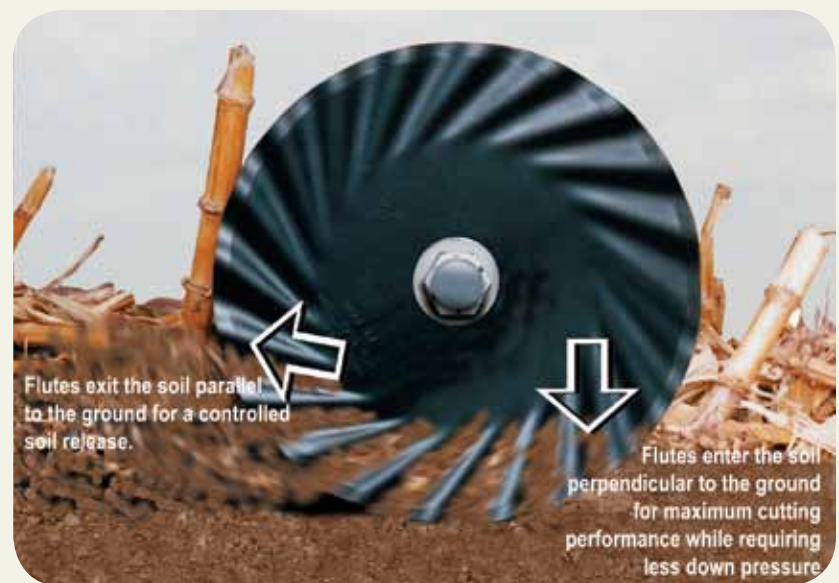


TURBO-TILL



### MAINTAIN DENSITY

As shown in the illustration below the patented Turbo blade flutes enter the soil perpendicular to the ground cleanly cutting the residue. As the blade rotates further it fractures the surrounding soil. As it leaves the ground it throws soil on top of the residue lacing it to the ground. It never moves soil sideways so there is never ridging.



## CREATE THE PERFECT SEEDBED (EXTREMELY IMPORTANT!)

Only Great Plains has the patented rolling spike harrow and reel combination. It is arguably the most important part of a vertical tillage tool and one that is overlooked by most competitive vertical tillage tools. The Rolling spike vertically works the ground between turbo blades creating a smooth level surface on top AND at seeding depth to ensure even emergence.



### "The Last Pass Rules"

After 5 Years of Vertical Tillage...  
one pass with a field cultivator can cut the  
corn yield by 6.5 to 26.5 bu./acre

**6.5 to 26.5**  
bu./acre

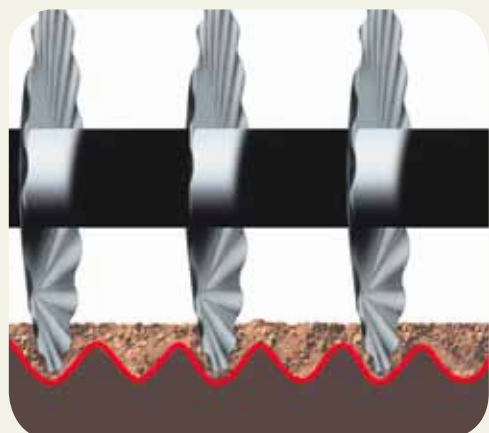




## NOT ALL VERTICAL TILLAGE TOOLS ARE EQUAL

### CONCAVE BLADES

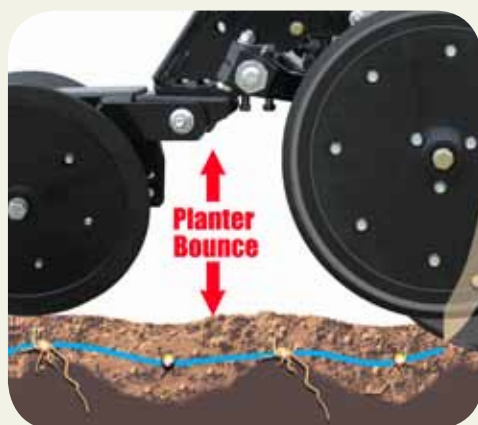
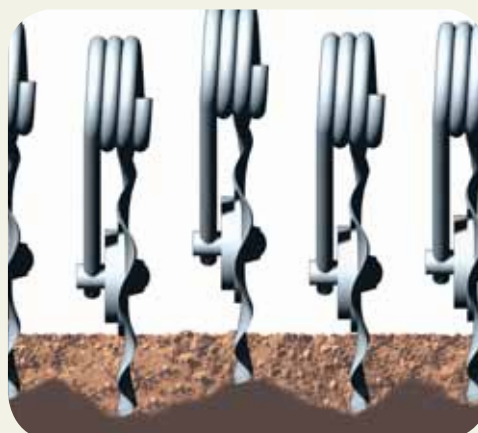
The backside of concave fluted disk blades create compaction layers similar to a disk blade. They also create ridges because they move dirt horizontally.



**RUMBLE STRIP**

### INDIVIDUAL SPRING COULTERS

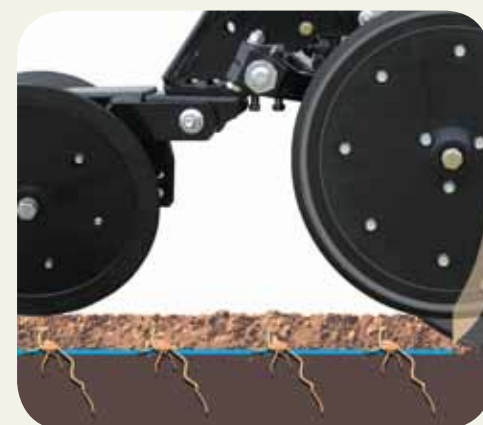
Straight coulters on coil springs work soil vertically but create an inconsistent seedbed because they are forced up in denser soil and tough stalks and work deeper in light soil.



**RUMBLE STRIP**

### TURBO-TILL/TURBO-CHOPPER

Vertically cuts residue, fractures the soil and creates a perfectly smooth seedbed for excellent, even emergence with no compaction layers allowing roots to reach nutrients and moisture.



**SMOOTH**

## TOOLS FOR THE JOB



**TURBO-TILL**

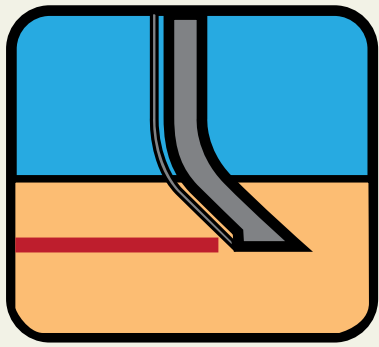


**TURBO-CHOPPER**



**ULTRA-TILL**





# FERTILIZER PLACEMENT

## TIMING IS EVERYTHING

All applied N fertilizer sources eventually convert completely to the nitrate-N forms. It is in this form that it is taken up by the plant. It is also in this form that nitrate-N is at risk of leaching and denitrification. Fertilizer application timing and the amounts of rainfall influence the rates of both leaching and denitrification. One strategy to manage the risk of nitrate-N loss is to make fertil-

izer applications in the spring just prior to planting (pre-plant), or, sidedress N fertilizer after planting. The main reason that pre-plant and sidedress N applications will be more efficient is that there is a shorter "window" between application and plant needs. The shorter time period means there are fewer opportunities for heavy rainfall events and nitrate-N loss.



## POTENTIAL FOR N LOSS - FALL APPLIED ANHYDROUS\*

\* Based on "Fate of Anhydrous Ammonia in Iowa Soils" computer simulation model. Warmer than normal scenario. Iowa State University

### OCTOBER 1<sup>ST</sup> APPLICATION (WITH INHIBITOR)

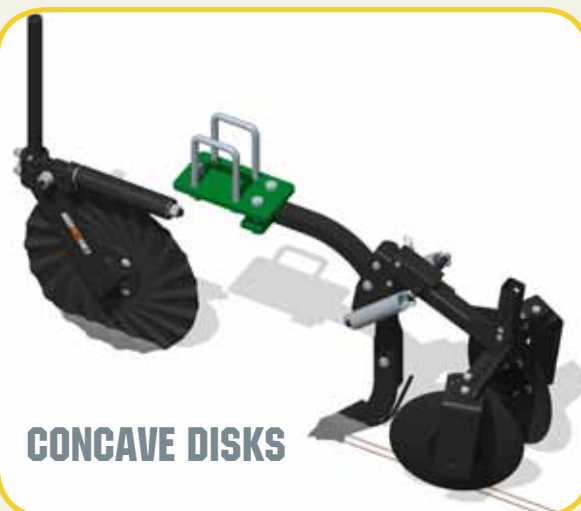
- 0% STILL IN AMMONIUM FORM BY MAY 1<sup>ST</sup>
- 35% AVAILABLE FOR PLANT MAY 1<sup>ST</sup>

### NOVEMBER 1<sup>ST</sup> APPLICATION (WITH INHIBITOR)

- 0% STILL IN AMMONIUM FORM BY MAY 1<sup>ST</sup>
- 50% AVAILABLE FOR PLANT MAY 1<sup>ST</sup>

## NEW SEALERS

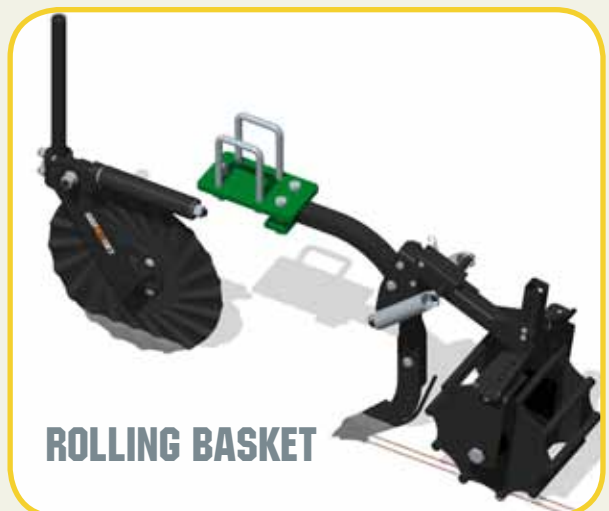
Anhydrous losses at time of application can be minimized with knife sealers. Great Plains has designed 3 different sealer attachments designed to seal the knife slot which improves Nitrogen retention.



CONCAVE DISKS



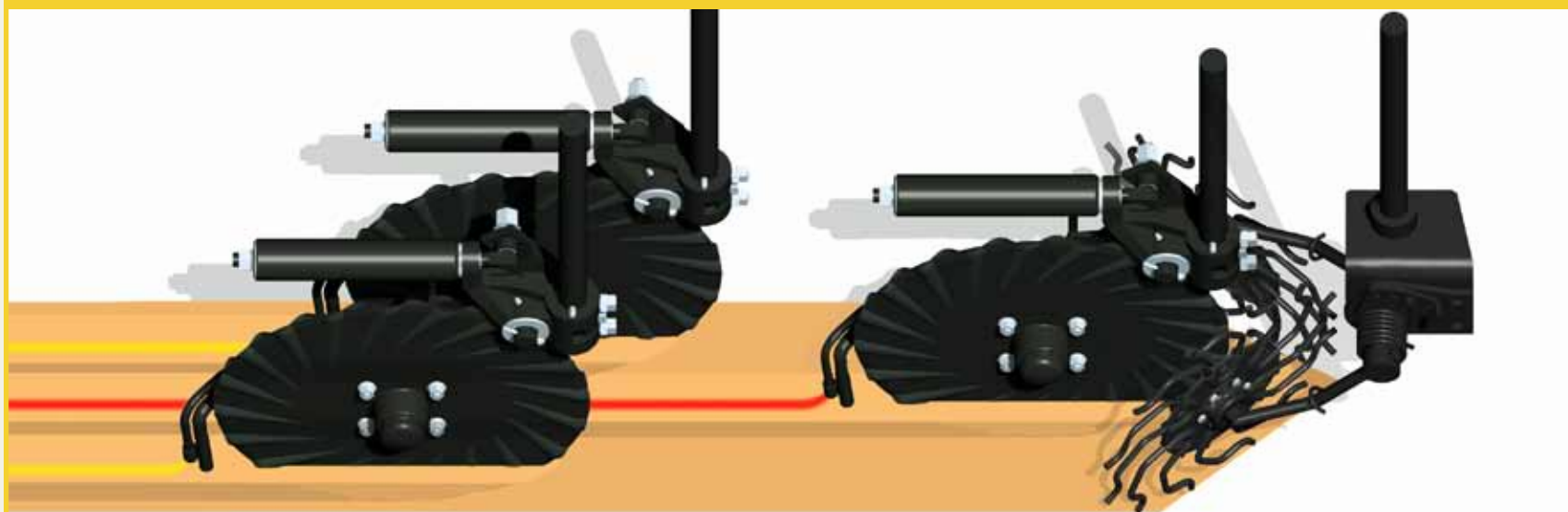
"SPIDER" WHEELS



ROLLING BASKET



## A TOTALLY NEW APPROACH

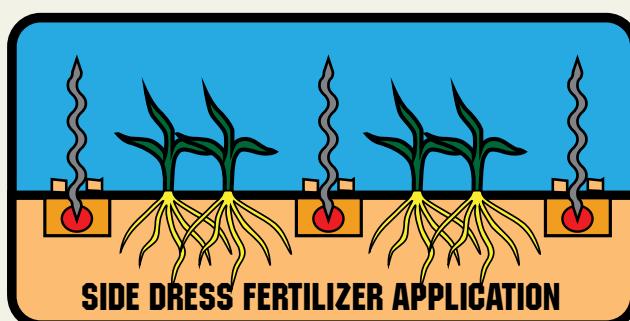
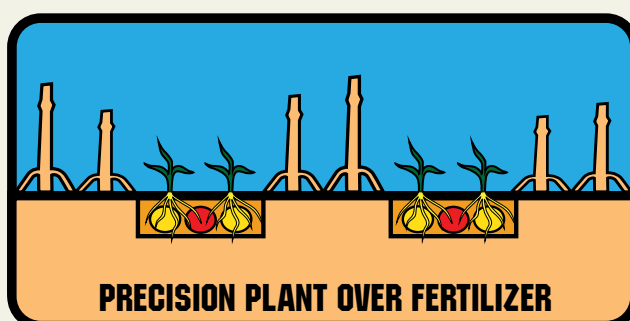
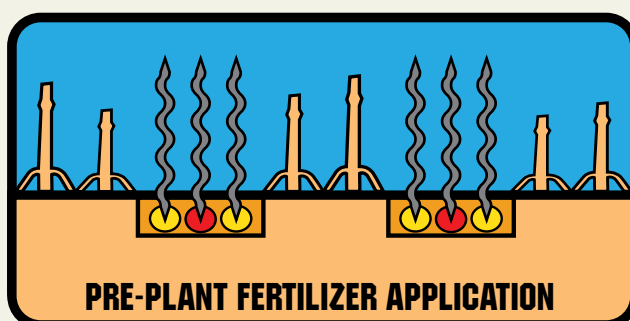


A new approach to fertilizer application is the 3-coulter option with a double row cleaner. This option allows the producer with RTK to pre-apply liquid fertilizer in the spring prior to planting, do mild vertical tillage in the row, and clear the residue with a row cleaner. The result... precision placed fertilizer in a clean, warm, fast emerging seedbed for the planter to precisely plant the seed in relationship to the fertilizer. Because producer requirements and terrain vary, Nutri-Pro™ is available as a floating hitch pull-type, 3-point, or semi-mounted with lift assist wheels.

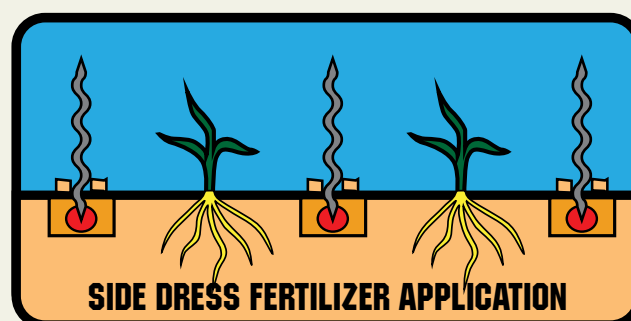
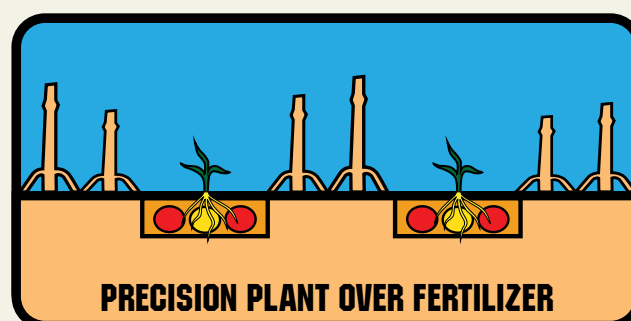
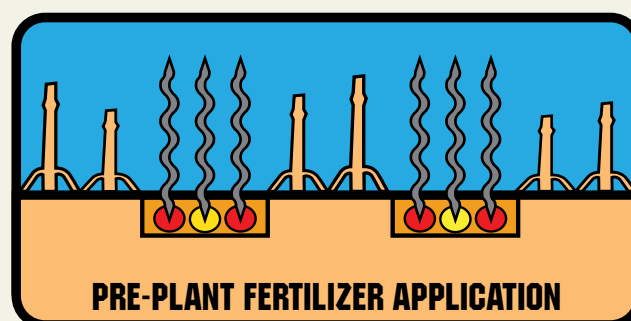
### LEGEND

- STARTER FERTILIZER**  
(10-34-0, 9-18-9)
- HIGH RATE FERTILIZER**  
(28% OR 32%)
- TILLED/CLEANED ZONE**

### TWIN-ROW APPLICATION



### SINGLE ROW APPLICATION



## TOOLS FOR THE JOB

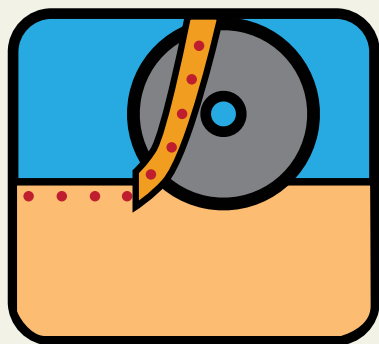


**NUTRI-PRO™ LIQUID**



**NUTRI-PRO™ ANHYDROUS**





# PLANTER ACCURACY

## 3 KEYS TO PLANTER ACCURACY

To seed accurately a planter must do 3 things well. It must equally space each seed, place each seed at the proper depth, and press the seed into the soil for excellent seed to soil contact while not creating sidewall compaction.

### “Accuracy Adds Up”

Removing 1 or 2 skips in  
1/1000 of an acre equates to

**7 to 14**

**bu./acre**



UNIFORM EARS



NON-UNIFORM EAR COUNT



GOOD SPACING



POOR SPACING



MAXIMUM EAR COUNT



LOWER EAR COUNT



EVEN EMERGENCE



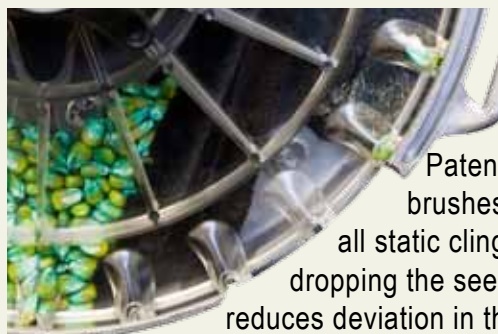
POOR DEPTH CON. & SEED-TO-SOIL CONTACT



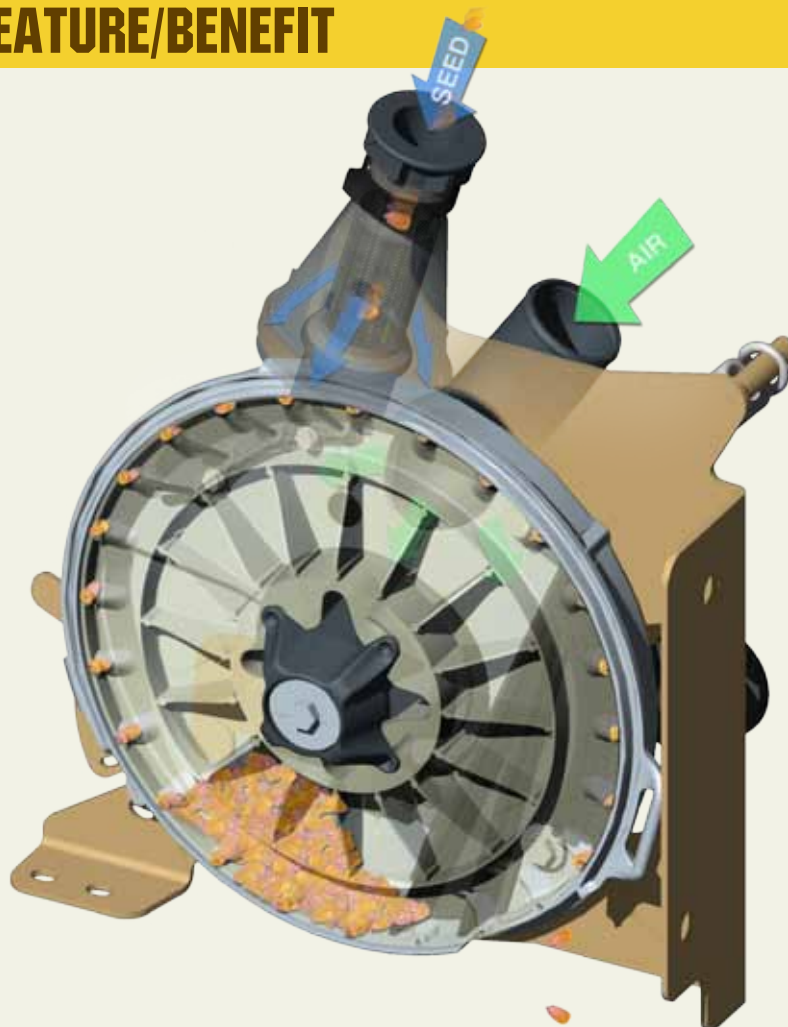
## 1. MORE ACCURATE SEED SPACING FEATURE/BENEFIT

Air-Pro® meters bring spacing accuracy to new levels with:

- Improved cell design which aids in achieving a "Dead Drop"
- "Positive Air" technology instead of Vacuum reduces torque for great accuracy and reduced wear.
- Large Diameter meters reduces meter speed to enhance filling and spacing.
- Static eliminating brushes so the seed doesn't "hang" it in the pocket.
- Pressureless seed drop for "Dead Drop"



Patent Pending  
brushes remove  
all static cling before  
dropping the seed. This  
reduces deviation in the seed  
drop area, greatly improving spacing.

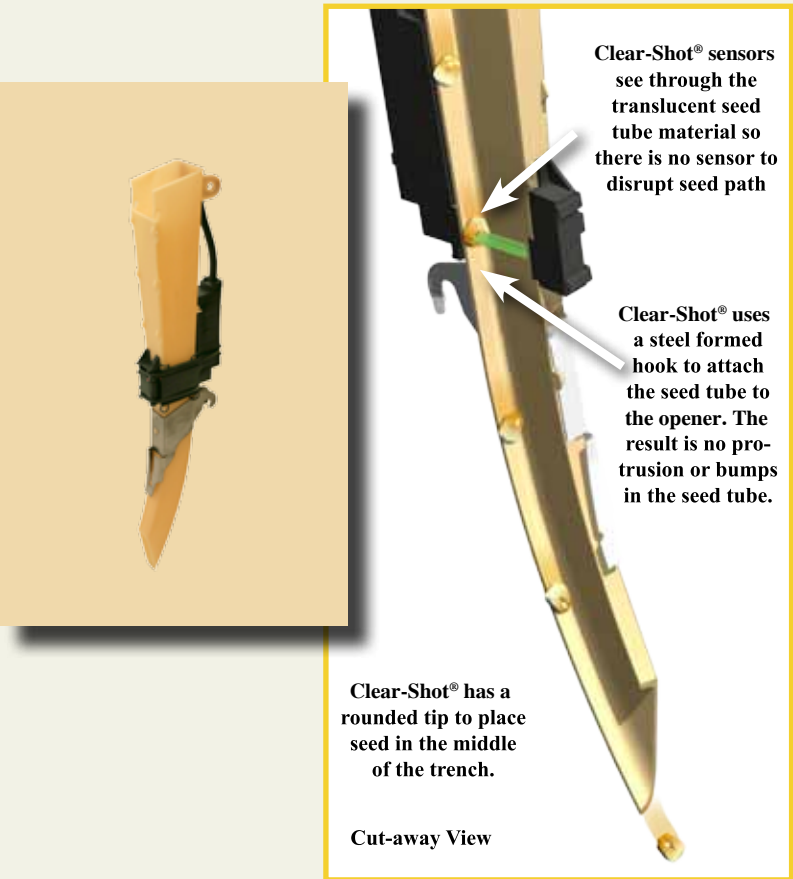




## 2. MORE CONSISTENT DEPTH CONTROL

Great Plains patented Clear-Shot® seed tube takes the excellent spacing delivered to it by the Air-Pro™ meter and transitions it to the seed trench with unmatched accuracy. It is designed for a dead-drop seed at 5.5 mph (most competitive seed tube are designed for 4 mph).

### CLEAR-SHOT® SEED TUBE



### Seed Tube Accuracy - Lab Test Data (28,000 seeds/A. planted - 4 run average)

Test Settings/Constants:	
Seed Tubes =	Clear-Shot® vs Industry Standard Seed Tube
Finger Pick Meter =	Precision Planting w/ SureFire Belt
Row Spacing =	30"
Population =	28,000 Seeds/A.
Seed Shape & Size =	Rounds at 1400 - 1725 seeds per lb.
Ground Speed =	5 mph
On Target Range =	0 to 5% deviation
Lost Yield Range =	Above 5% deviation

#### Clear-Shot® Seed Tube Results

% Of Seed On Target =	99.10%
Number Of Seeds On Target =	27,749 of 28,000
Lost Yield Seeds =	251
% of acre in lost yield seeds =	0.9%

#### Industry Standard Seed Tube Results

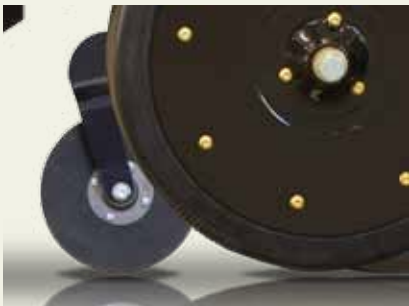
% Of Seed On Target =	90.27%
Number Of Seeds On Target =	25,276 of 28,000
Lost Yield Seeds =	2,724
% of acre in lost yield seeds =	9.7%

### Seed Savings Using Clear-Shot® Seed Tubes

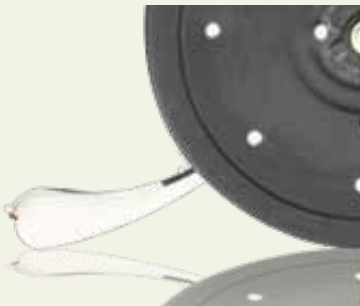
	Bags
Per Acre	0.031
Per 1, 000 Acres	30.92
Per 10,000 Acres	309.20

## 3. BETTER SEED-TO-SOIL CONTACT

Seed-to-soil contact is critical in getting all plants to germinate at the same time. Great Plains Seed-Lok® or Keeton Seed Firmer® press the seed into moist soil. Great Plains new Spider press wheels are also key to getting a consistent stand by closing the seed trench and breaking up the sidewall.



SEED-LOK® WHEEL



KEETON SEED FIRMER®



SPIDER CLOSING WHEEL

#### GOOD TRENCH CLOSING



#### BAD TRENCH CLOSING



## TOOLS FOR THE JOB



YP12, YP16, & YP24



YP30, YP40

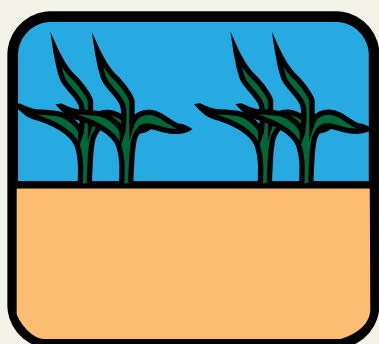


YP4, YP6, & YP8



3PYP & 2525A





# TWIN-ROW SPACING

## TWIN-ROW WORKS

1. Promotes vigorous root development.
2. Allows higher planting populations.
3. Works for a wide variety of crops.
4. Utilizes sunlight better.
5. Retains more moisture.
6. Works in all areas and soil structure.
7. Can be side-dressed.
8. Increases stalk diameter making plant stand better.
9. Increases tonnage and relative feed value in silage.
10. Harvestable with 30" corn head.

## "Twin-Row Wins"

After 10 Years of Twin-Row plots  
Twin-Row increases yield

**8 to 10**  
bu./acre



### TWIN-ROW CORN



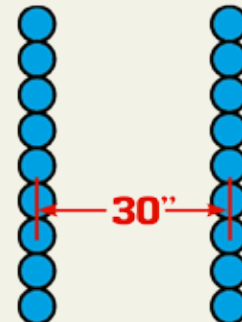
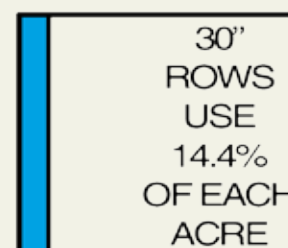
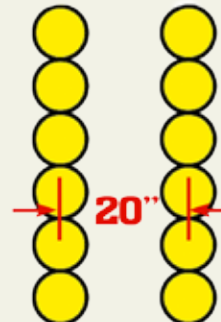
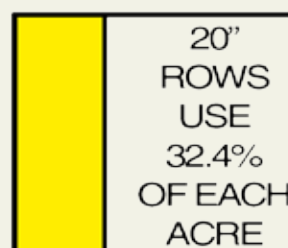
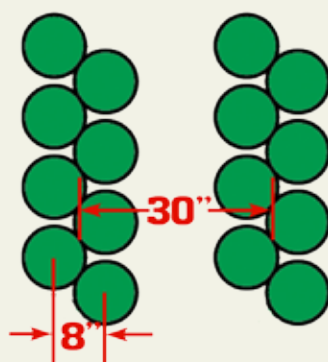
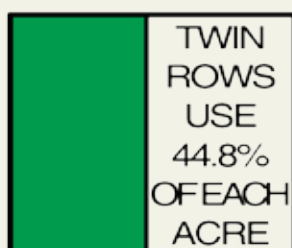
### TWIN-ROW BEANS



### TWIN-ROW MILO



### TWIN-ROW WHEAT



## Twin- Row Gives Your Corn More Room To Grow!

Studies indicate that corn roots will stop spreading when they encounter a neighboring plant roots. Twin-Row allows more room before running into its neighbor.

Planting Population	Row Spacing (inches)	Seed Spacing (inches)	Non-Competitive Diameter Per Plant (flower pot)	Percentage Of Acre That Is Non-Competitive Growth
38,000	Twin-Row	11.00	9.71	44.8%
	20"	8.25	8.25	32.4%
	30"	5.50	5.50	14.4%
34,000	Twin-Row	12.30	10.09	43.3%
	20"	9.22	9.22	36.2%
	30"	6.15	6.15	16.1%
30,000	Twin-Row	13.94	10.61	42.3%
	20"	10.45	10.45	41.0%
	30"	6.97	6.97	18.2%



## LARGER ROOT MASS

Twin-Row row spacing creates plants with bigger stalks and larger root mass.

### TWIN-ROWS



### 30" ROWS



## BETTER LIGHT UTILIZATION

At V7: (Approx. Knee High)

30" Corn uses 30% of the available sunlight

20" Corn uses 68% of the available sunlight

Twin-Row Corn uses 90% of the available sunlight

### TWIN-ROWS



### 30" ROWS



FOR MORE INFORMATION GO TO:

**TWIN-ROW**  
**.COM**

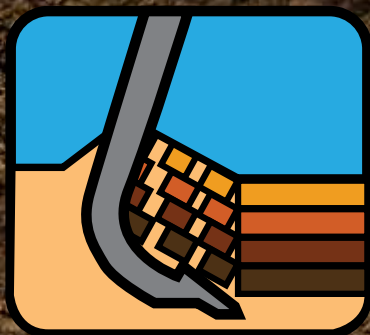
Independent Test Results, Videos, News, Testimonials, Photos, Machines And More.



# HARVEST STARTS HERE

## 5 AGRONOMIC PRINCIPLES THAT ARE PROVEN TO **INCREASE YIELDS**

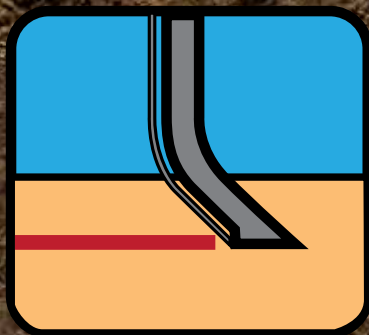
FALL VERTICAL TILLAGE



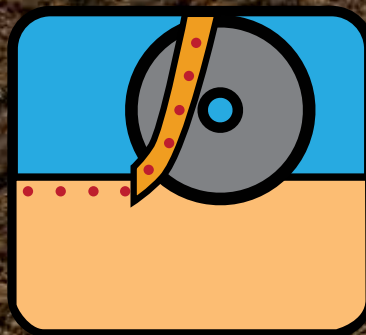
SPRING VERTICAL TILLAGE



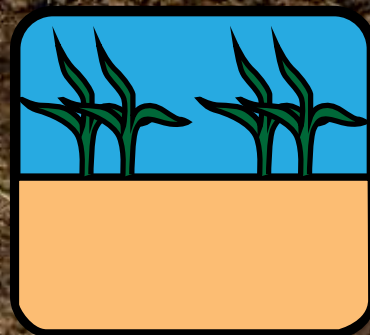
FERTILIZER PLACEMENT



PLANTER ACCURACY



TWIN-ROW SPACING



## HARVEST STARTS WITH



[www.greatplainsmfg.com](http://www.greatplainsmfg.com)



MODEL 3P-300



3P-300 With 60' Boom

MODEL TSF-1090



TSF-1090 With 90' Boom

MODEL TSF-1290



TSF-1290 With 90' Boom



MODELS 8323FC, 8328FC,  
8332FC, 8336FC,  
8539FC, 8544FC,  
8548FC, 8551FC,  
8556FC, 8560FC



8000 Series Field Cultivator 8548FC Model Shown

## Cultivating Change

Several changes and enhancements were made to the 8000 Series Field Cultivator to make a good unit even better! Shank spacing throughout the machine, especially around tires has been

improved, ensuring no shanks are closer than 28". The hinges and fold system have also been "Beefed Up" making folding and unfolding smoother and more reliable.



## FEATURES & BENEFITS



**FOLDING SYSTEM** - Improved fold system with heavier hinges on both inside and outside wings.



**SHANK IMPROVEMENT** - Improved shank spacing around tires and throughout the machine with no shanks closer than 28" on entire implement.



**LOW PROFILE HITCH** - New low profile hitch with heavy duty ball joint attachment and convenient hose storage area.



MODELS 3323DH  
3326DH  
3329DH  
4330DH  
4333DH  
4336DH



Disk Harrow 4336DH Model Shown



### Offset Tandem Disk

With the introduction of the 3000 and 4000 Series Disk Harrows, Great Plains not only becomes a full-line tillage equipment company, but provides all the key ingredients customers demand from a

top-of-the-line disk harrow. Six models, which range in cutting width from 23 to 36 feet in 3-foot increments, promise reliability; superior cutting ability; optimum weight per blade, and a level, finished surface.



### FEATURES & BENEFITS

				
<b>Great Plains</b> Ductile Cast Dia: 6.5" Weight: 23.55#	<b>Case IH</b> Ductile Cast Dia: 6" Weight: 19.20#	<b>Krause</b> Ductile Cast Dia: 5.5"/6" Weight: 15.35#	<b>Sunflower</b> Welded Dia: 6.25" Weight: 11.90#	<b>John Deere</b> Welded Dia: 6" Weight: 12.00#

**HEAVIER SPOOLS** - The ductile cast spools used on the Great Plains disk are among the heaviest in the industry. At 23.55 pounds they put more weight closer to the ground. The result is better penetration, plus longer bearing and standard life. Ductile cast spools also resist breakage and collapsing compared to steel pipe style spacers. These spools are a full 6.5 inches in diameter, as much as 1 inch larger than some competitors. This gives more support to the center of the blade reducing blade breakage.

**SPRING OFFSET C-SHANKS** - Offset "C" shanks cushion the gangs and protect the unit. The offset design maximizes the clearance between the disc blades to help prevent plugging.



**DOUBLE OFFSET** - Double offset design insures complete center cut out and eliminates the need for a middle breaker.





**MODELS** 8321DV, 8324DV,  
8326DV, 8328DV,  
8333DV, 8537DV,  
8544DV, 8548DV,  
8552DV  
**Narrow Transport**  
8315DVN, 8318DVN,  
8321DVN, 8324DVN



## Easy Transport

Great Plains has raised the bar with the introduction of the new 8000 Disc-O-Vator line comprised of 13 models with working widths from 15 to 52

feet. 4 of the new models are specifically designed for narrow transport needs and can be purchased in 15' to 24' versions.

### Disc Selection



**TURBO COULTERS** - Chop residue and loosen the soil for the field cultivator shanks. Turbo gangs allow faster ground speed and increased productivity.



**LOW CONCAVITY DISC BLADES** - Increases mixing action with the soil and buries more residue.

### Shank Selection



**HEAVY DUTY K-FLEX SHANK** - Has a 5/8" x 3" wide upper leaf spring and 5/8" x 1 3/4" lower shank which provides 185 lbs of point pressure that gives the shank strength to penetrate and stay level at higher speeds while minimizing side play.



**HEAVY DUTY MAGNUM SHANK** - Performs with 205 lbs of point pressure and contains a thicker spring. As the ability to "unhook" from obstructions making it a good choice in rocks.

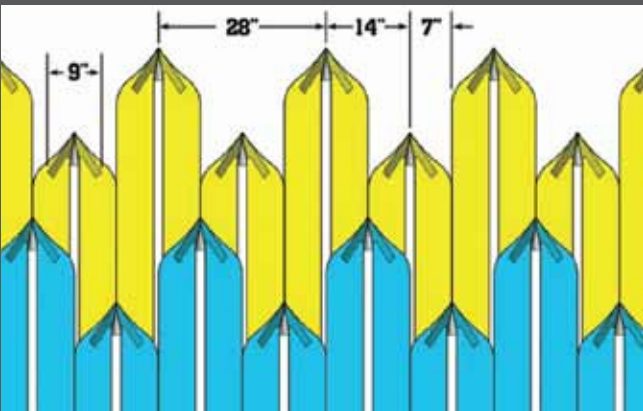
## FEATURES & BENEFITS



**GANG DESIGN** - Rugged gang design with concave or Turbo blades on 8" spacing and improved scraper design.



**HITCH DESIGN** - A clean narrow profile, self-leveling hitch design with turnbuckle height leveling adjustment.



**MAX-MIX** - The Max-Mix shank pattern increases chemical incorporation, reduces windrowing, and helps eliminate banding.



**MODELS** 9322PP, 9326PP,  
9533PP, 9540PP,  
9544PP, 9548PP,  
9552PP, 9556PP



Plains Plow 9533PP Model Shown

## Undercutting at it's BEST!

Time is short. Moisture is limited. You need a tillage system that enables you to cover hundreds of acres while carefully managing residue conditions. Our 3, 5, and 7

section Plains Plows are engineered to withstand the punishment of demanding field conditions while effectively managing surface residue.

**MODELS** 2112, 2115, 2317, 2320, 2322, 2325,  
2327, 2330, 2332, 2335, 2536, 2538,  
2541, 2543, 2546, 2548, 2551



Seedbed Conditioner 2536 Model Shown

## Seedbed Perfection

Add a Great Plains Precision Seedbed Conditioner to your present finishing tool and prepare the perfect seedbed. Firm the soil, reduce air pockets, incorporate chemicals, break up surface clods, knock soil off the root crowns

and prevent wind and water erosion. Create a one-pass unmatched seedbed that places the finer particles of soil in the planting zone, which will allow perfect seed to soil contact and will boost the emergence of your crop.

**MODELS** FH6424HD, FH6630HD,  
FH6636HD, FH6642HD,  
FH6845HD, FH6848HD,  
FH6851HD



Flex Harrow FH6642HD Model Shown

## Seedbed at it's BEST!

The HD frame is the strongest on the market! We use a triangle design with a full length tongue, doubled up with a bridge frame. The center frame is all 1/4" wall

steel. Its pulling strength and simplicity are unmatched. The wings are 6" square tubing with reinforced corners.

## FEATURES & BENEFITS



**48" SWEEPS** - Narrower than standard V Blades to provide more consistent depth in rolling conditions.



**21" TREADER WHEEL** - On 7" spacing is ideal for breaking clods, uprooting weeds and preparing a seedbed. Hard faced for long life.

## FEATURES & BENEFITS



**SINGLE HYD. CIRCUIT** - This feature allows a simple and a quick way to attach to the host machine.



**SPRING CUSHIONED REELS** - Spring cushioned reel sections with maintenance free pivot points.

## FEATURES & BENEFITS



**FOLD HINGE** - Super heavy, greaseable wing pivot joints and frame pivots for long wear at 1 1/2" pivot pins.

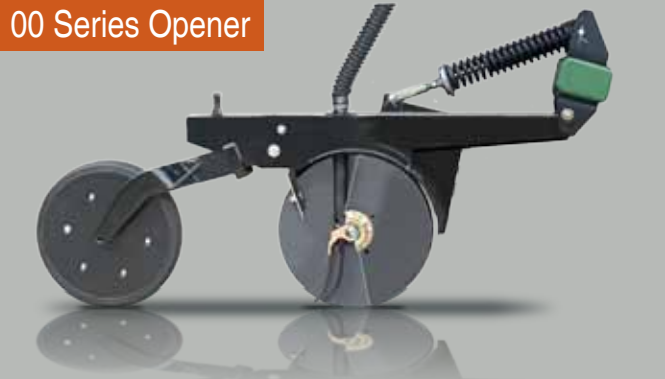


**TRANSPORT TIRES** - Extra heavy 8 bolt transport hubs and wheels. 6 bolt wing hubs and wheel with bolt in spindles.

**NEW**  
FOR **2011**

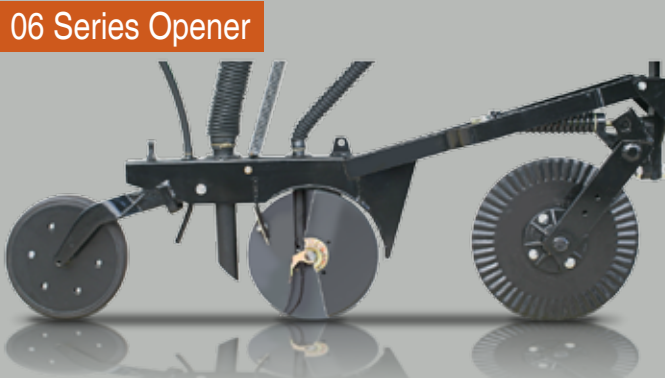


00 Series Opener



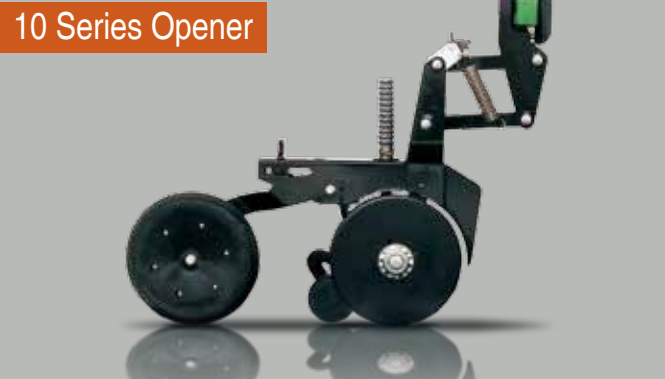
00 Series openers are designed for min-till fluted feed drills. The 00 opener features 13 1/2", 4 mm blades mounted on 205 triple lip sealed bearings. The 00 opener has a 1/4" lead opener blade. A rear depth controlling gauge wheel uses a T-Handle adjuster with 18 depth settings.

06 Series Opener



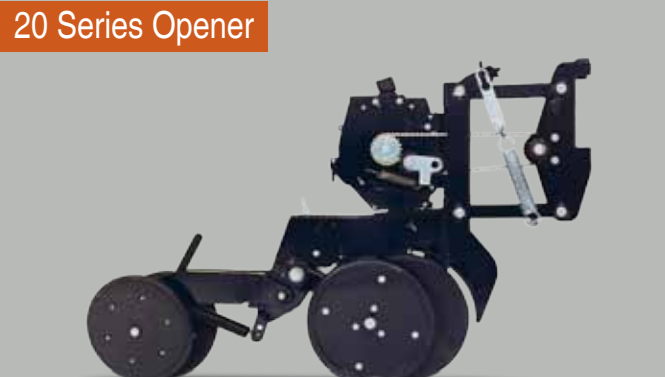
06 Series openers are no-till openers used on compact no-till drills. The 06 utilizes the "Fluff and Plant" no-till system with an integrally mounted coulter to cut residue and prepare a seedbed for the trailing double disk opener that uses 13 1/2" blades, 205 triple lip sealed bearings, and 1/4" opener disk lead.

10 Series Opener



10 Series openers are min-till openers with parallel linkage designed for tough drilling conditions. They feature 13 1/2" leading blade with proven 205 triple seal bearings. The Parallel arms have an effective travel of 10" top to bottom when planting.

20 Series Opener



Great Plains' 20 series opener is an excellent choice when planting in stale seed bed environments. Much like a planter row unit, this opener has side depth wheels to provide extra flotation as well as reduced soil "blowout". Available with Singulator-Plus™ (20P) meters it can singulate or volumetric meter seed. This row unit can also be used with fluted feed metering (20F). Row spacings are as narrow as 7 1/2".

00HD Series Opener



This row unit is a "beefed up" 00 series opener with heavier opener body, heavier down pressure springs, 15" 4 mm blades with 1/2" offset that allows more penetration in heavier conservation planting conditions. Cast blade separators, Clear-Shot® seed tubes, and optional Keeton Seed Firmers® complete this Heavy Duty row unit.

07HD Series Opener



The 07HD also features an integrally mounted coulter row unit combination with the coulter moving independently of the opener. The trailing double disk opener features 15" blades, 205 triple lip sealed bearings, and has a 1/2" leading opener blade.

10HD Series Opener



Versatility describes this opener from Great Plains. 15" 4 mm blades with 205 triple lip seal bearings and 1/2" blade offset. Cast blade separator and Clear-Shot® seed tubes. Heavy duty 160 to 350 lbs down pressure springs are mounted on Great Plains' parallel arm linkage. This unit allows fluted feed (10HDF), Singulator-Plus™, or Population Max™ (10HDP) singulating options.

25 Series Opener



The 25 series row unit makes narrow singulated rows possible. Heavy torque tube design parallel linkage offers up to 500 lbs of down pressure. It uses 15" 4 mm opener blades with 1/2" offset for improved penetration. Cast blade separators and Clear-Shot® seed tubes provide excellent delivery of seed to the seed trench. Available with the Air-Pro® (25A) meters or interchangeable Population Max™ or Singulator-Plus™ (25P) meters are available. Fluted feed metering (25F) is available on certain models.

# Closing Wheels



**2" x 13" SINGLE** - This design presses soil directly over the seed, aggressively firming the soil surrounding the seed at the precise depth selected.



**3" x 13" CENTER RIB** - This design firmly presses soil directly over the seed with the center rib of the wheel creasing the soil. This crease allows the crust to crack open for even seed emergence.



**1" x 12" DOUBLE-V** - This design closes the seed trench with an aggressive pinching action. It provides excellent depth control in most soil conditions.



**WEDGE** - The "Best of Both Worlds," with an aggressive tapered edge it closes seedbeds in firm soil but a large "footprint" allows it to stay on top in loose soil.



**3" x 14" PEAK** - This design presses a deep furrow with a defined ridge to capture snow and rain. The 3" x 14" peak press wheel helps reduce wind erosion in lighter soils and arid climates. Note: Recommended for arid areas only.



**SPIDER** - Designed to help eliminate trench sidewall smearing. All steel construction for exceptional durability.

# Metering



**FLUTED FEEDER CUP** - The exclusive Great Plains fluted feed cup delivers outstanding accuracy with a large variety of seed shapes and sizes. The seed cup design maintains precise delivery in fast or slow drilling conditions.

**SINGULATOR-PLUS™** - Another exclusive, this meter is the best singulating meter for soybeans available. Quick change meters can accurately meter sorghum, rice, cotton and wheat.



**POPULATION MAX™** - This corn meter features a Kevlar impregnated backing plate, Skip Stop™ cushion, a new adjustable precision brush, and a SureFire® belt that puts the seed in the middle of our exclusive Clear-Shot® seed tubes.

**AIR-PRO® SEED METERING SYSTEM** - Positive air pressure meter that features clear seed discs, static eliminating brushes, and singulating accuracy up to 99.5 percent.







**3P500/3P500V** - 5' (3P500) and 6' (3P600) Min-Till Drills are designed to get into places big drills simply can't, like wooded areas, orchards and vineyards. These machines excel when seeding into fully prepared and minimum tillage plots.



**3P600** - 5' (3P500) and 6' (3P600) Min-Till Drills are designed to get into places big drills simply can't, like wooded areas, orchards and vineyards. These machines excel when seeding into fully prepared and minimum tillage plots.



**3P606NT** - Are 3-point mounted no-till drills, allowing you to get close to field edges and with our proven ground drive no remote hydraulics are needed.



**606NT** - The 6' Pull-type No-Till Drill (606NT) features an end wheel design that reduces side-loading on openers when operated on contours and curves, eliminating premature opener wear.



**706NT** - The 7' End Wheel No-Till Drill (706NT) is the perfect balance between versatility and larger drill productivity. This unit is at home seeding in a wide variety of applications from pasture renovation to mine reclamation.



**800** - This 8' Min-Till Drill (800) is a smaller version of our 1300 End Wheel Drill that uses the same field proven "00" series opener to properly place seed. This rugged opener utilizes 13.5" 4mm thick disc blades, full length seed tube and an 18 position T-handle press wheel to precisely control seed depth.



**3P806NT** - The 3P806NT is a 2-point or 3-point mounted no-till drill. The 3P806NT comes standard as a 2-point mounted drill with lift assist wheels. The machine can be easily converted to a full 3-point drill with the removal of the lift assist wheels (Caution: this machine is built to penetrate hard no-till surfaces - it is not light).



**3P1006NT** - The 3P1006NT model is the big brother to the 8' - 3P806NT. At 10' seeding and 10' transport this machine is productive yet can easily get in pasture gates, over bridges and transport down narrow roads. 2-point mounting and dual hydraulic lift assist wheels in the rear give the machine excellent ground clearance as well.



**1006NT** - The 10' End Wheel No-Till Drill (1006NT) is the perfect balance between compact versatility and larger drill productivity. This unit is at home seeding in a wide variety of applications from pasture renovation to mine reclamation.



**1007NT** - The 1007NT from Great Plains combines a 10 foot planting width with a transport width of 10'. It is a 4-wheel design that improves maneuverability in turns. The unit pivots around the front wheels and the rear casters swing out shortening the turning radius.

## STANDARD FEATURES



**WIDE SEED CUPS** - Exclusive Great Plains fluted feed cup delivers outstanding accuracy. Whether the seed you are drilling is small, large, or fragile, our time proven metering system will deliver the rate you choose, evenly and gently.



**WATERPROOF MANUAL HOLDER** - Keeps Owner and Operator manuals flat and in good condition. Simply lift tabs to remove.



**V-BOTTOM DIVIDERS** - Allows all the seed to feed from the seed box to the feeder cup so you get complete emptying. Also helps prevent seed from shifting in the box on sidehills.



**4-SPEED GEARBOXES** - Provides increased accuracy and flexibility of the metering system by giving the operator more choices for drive speed.



**DIGITAL ACREMETERS** - LED readout of current acres on machine. Unique design conserves battery power.



**GREASE BANK** - Installed on No-Till machines, so you can service all coulters in centralized locations.



**SAFETY LIGHTING** - Standard equipment on all but the 3P500 and 3P600 models. Provides high visibility and safety during transport.



**SEED LEVEL INDICATOR** - Easy to read from the tractor seat. Inside the seed box, our floating indicator provides an accurate reading.



MODELS

1200

1500

2000

2500

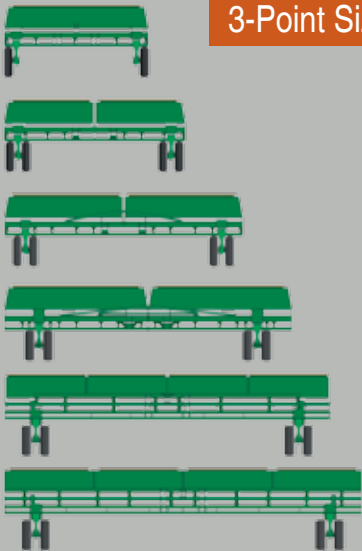
2700

3000



## 3-Point Diversity

As seeding specialists, we recognize the need for different openers to match specific farming practices. Great Plains offers five openers to assure accurate seed placement in widely varying field conditions. Combine our opener options with superior construction and innovative engineering and you'll quickly realize the advantages of a Great Plains 3-Point Drill.



3-Point Sizes

### Turning your 3-point into a pull-type.



**CPH HITCH** - This proven design is the cornerstone of the Great Plains no-till family. The key to its continued success is the exclusive pivoting frame design that ensures proper tracking on side-hills and uneven terrain which ensures the opener is planting directly into the tilled strip created by the corresponding coulter. Fast lift cycles increase productivity without sacrificing dependability.



**PFH HITCH** - The Precision Fertilizer Hitch is designed specifically to allow a wide range of liquid fertilizer applications. Available in 7.5", 8", 10", 15", and twin-row row spacing, the PFH can be used with both our fluted feed and precision 15' and 20' 3-point drills. The hitch is also available without the fertilizer option.



**SSH HITCH** - This hitch turns any 12'-20' 3-Point drill into a pull type unit. It also is designed to carry 300 gallons of fertilizer if needed.

## FEATURES & BENEFITS



**V-BOTTOM** - V-Bottom dividers or baffles provide complete emptying of seed box.



**LIDS** - Water tight lids protect seed and fertilizer from the elements. A inner seed flap makes sure seed goes into the box and not under the lid.



**GROUND DRIVE** - Ensures speed sensitive seed metering. Depth is also controlled with these large rib implement tires.



# MODELS 2SF24 2SF30



2SF30 Model Shown

## Economy Folding Drills

Our experience in the seeding business has taught us that simplicity and reliability are two to the most desirable qualities in seeding equipment. The 2SF24 & 2SF30 are designed to be tough enough to handle your most challenging conditions and deliver a solid stand every time. These models are also

available with dry fertilizer and small seed box options. They feature our fluted feed cup and ground driven metering to provide accurate, simple seeding. Offset double-disk openers provide superior penetration while our exclusive seed tube and flap gently place the seed in the bottom of the trench.

## FEATURES & BENEFITS



**GROUND DRIVE** - 4-Speed Ground Drive provides excellent metering of a large variety of seed shapes and sizes.



**LIFT** - Simple Lift and Fold transport makes field changes quick.



**NYLATRON SLIDE** - Modern Nylatron Slide block material reduces friction on the lift mechanisms.

# MODELS Native Grass Drills

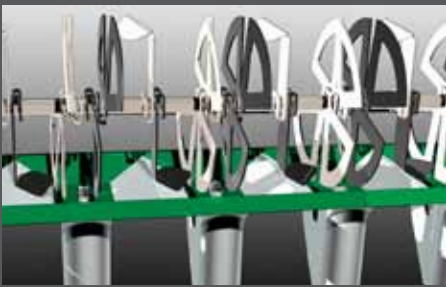


## Native Grass

Native Grass drills are equipped with a factory installed native grass box. An optional small seed attachment is available. Native grass seeds are extremely fluffy and want to bridge easily. Our native grass boxes are

designed to handle even the lightest seeds and meter them with surprising accuracy. Native grass drills can be used as rental machines or as custom native grass seeders.

## FEATURES & BENEFITS



**AGITATORS** - Native Grasses have to be continually agitated to help them feed properly. Our Series II Agitators work well on all native grass mixes.



**PICKER WHEELS** - Picker wheels take the seed from the seed box and meter it to the openers. Great Plains Picker wheels are more aggressive than the competitors.



**SEEDTUBE** - Large Diameter seed drop tubes won't bridge native grasses.



MODELS 2N2410  
2N3010



2N-3010 Model Shown

## Rugged Design

This design is built for the toughest no-till conditions. It features our 10 series opener and coulter combination to precisely place seed in the bottom of the seed groove. Coulters offer 450 lbs. of spring preload for the

toughest no-till conditions, and tapered Timken bearings for reliability and long wear. Accurate depth control is provided by the direct link press wheel with 18 depth settings in 1/4" increments.



## FEATURES & BENEFITS



**NARROW TRANSPORT** - Folds to a narrow transport width from the comfort of your cab.



**GREASE ZERKS** - Coulter grease zerks are grouped in grease banks to make maintenance easy.



**GEARBOXES** - 4-Speed gearboxes allow quick seed rate changes without having to "break" chains or swap sprockets.



MODELS 3S-4010HD/HDF  
3N-4010HDP



3S-4010HD/HDF Model Shown



### Leading the Pack

This drill is designed to meet the demands of today's large scale no-till farmer. One look at the 3S-4010HD/HDF tells you this is a drill that can get the job done! The heavy duty frame has enough weight to handle hard ground and the toughest double crop conditions, but the six (6) massive 18 x 22.5 tires can keep it afloat when things are soggy in the spring. The 10HD opener offers 15" 4mm blades with 205 triple-

lip-seal bearings. Inside is a cast blade separator protecting the same Clear-Shot® seed tube we use in all YP Planters. These deliver the seed precisely to the same spot each and every time. Parallel arms keep the attack angle on the opener the same regardless of terrain. With end-to-end box flex and the floating hitch, this unit covers the nastiest terrain with accuracy and ease.

### FEATURES & BENEFITS



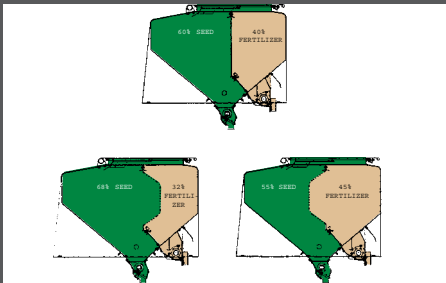
**NARROW TRANSPORT** - Both 40' no-till drills fold to narrow transport width of 14' 11".



**10HD SERIES** - Safety is also a concern. Hose breakaways are standard. Plumbing is pressure checked at the factory to insure safety.



**TURNING CAPABILITIES** - In field position the 40' no-till drills are close to the back of the tractor for excellent turning on headlands.



**DRY FERT.** - Optional dry fertilizer combinations. Fertilizer box dividers can be easily removed for 100% seed if desired.



MODELS 2S-2600HD  
3S-3000HD  
3S-4000HD



3S-4000HD Model Shown

## Heavy Duty Drills

Maximum productivity. That's what you can expect from a hydraulic down pressure drill from Great Plains. These drills are designed for the medium to large-scale operator to cover the maximum amount of acres everyday. It features the largest in class, 3.2 bushel per foot seed box to keep you in the field longer

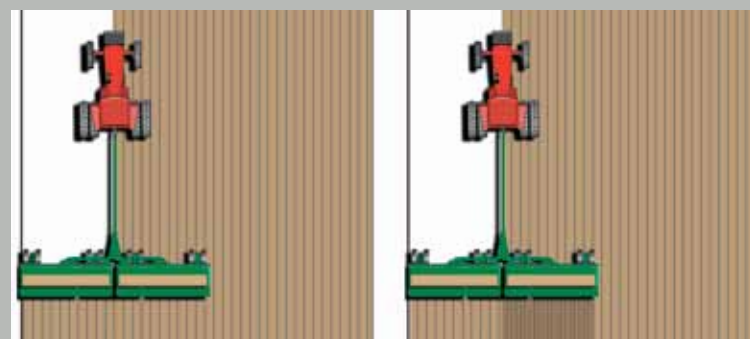
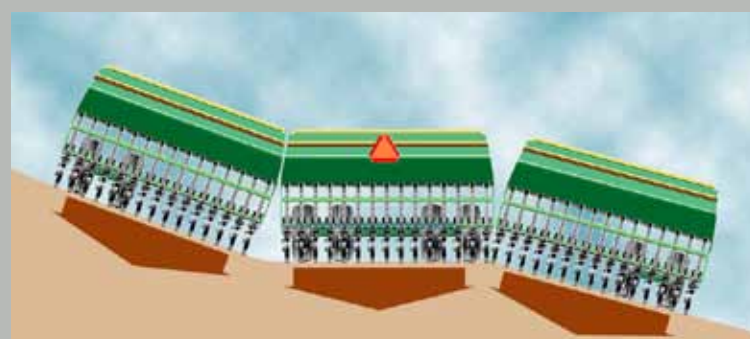
between fills. Wide walkboard and large waterproof lids make filling faster and safer. These machines lift only the openers during field turns minimizing wear on the main-frame and speeding up end row cycle times.

If the need for a high capacity box drill is in your future take

a close look at the 3S-4000 from Great Plains. This drill is designed to hug terrain. The wing sections feature 20° of upward flex and 15° of downward flex for superior performance in terraced ground. This unit may be transported fully loaded and when it's time to get to the next field, these drills fold to a narrow 15' for transport.

Great Plains hydraulic down pressure drills are very Flexible!

Front-to-back flexing is handled by pivoting each opener gang around the center of the gauge wheel axles. This ensures opener blades stay planting at the prescribed depth. Side-to-side flexing is 20° up and 20° down on the wing boxes. So planting on terraces is no problem. Up-Down sub-frame flexing is independent of each drill section and are controlled by constant live hydraulics. This keeps the openers in uniform contact with the soil in uneven conditions and varying soil types.



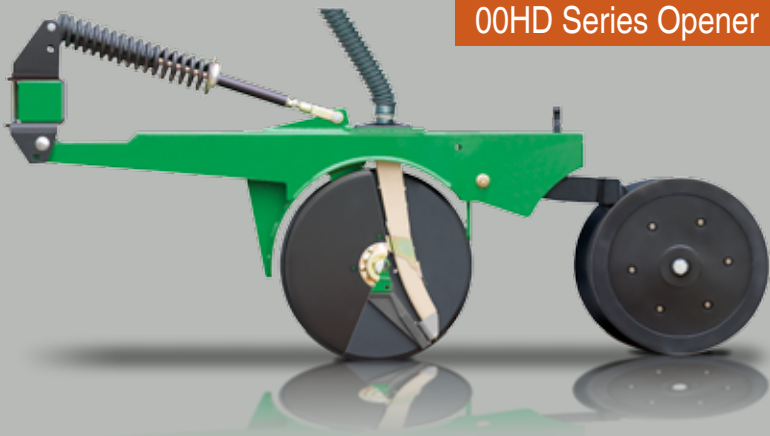




3S-3000HD Model Shown



2S-2600HD Model Shown



00HD Series Opener

This row unit is a “beefed up” 00 series opener with heavier opener body, heavier down pressure springs, 15” 4 mm blades with 1/2” offset that allows more penetration in heavier conservation planting conditions. Cast blade separators, Clear-Shot® seed tubes, and optional Keeton Seed Firmers® complete this Heavy Duty row unit.

## FEATURES & BENEFITS



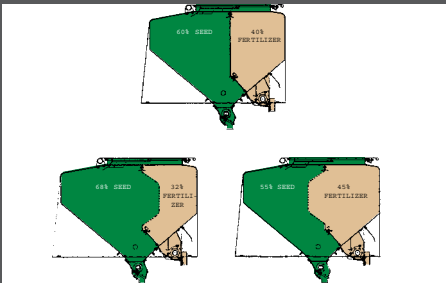
**NARROW TRANSPORT** - All 3 models of hydraulic down pressure drills fold to a narrow 15’ transport width.



**DOWN PRESSURE** - Opener down pressure is adjustable on separate circuits for center section and wing sections.



**OPENERS** - 2 settings on the openers allow lowering of individual openers for compaction areas caused by wheel tracks.



**DRY FERT.** - Optional dry fertilizer combinations. Fertilizer box dividers can be easily removed for 100% seed if desired.



MODELS

CTA-4000

CTA-4000HD



CTA-4000HD Model Shown With ADC2350 Pull Between Air Cart

# Min-Till Air Drill

One of the best ways to increase the efficiency of your farming operations is with a Great Plains air drill. An air drill allows you to plant more acres in a day than a box drill of equal width.

The CTA4000 implement may be equipped with either the standard “00” series

opener or the 00HD heavy duty opener. The “00HD” option features 15”(38cm) 4-millimeter thick disk blades, a planter blade separator and Clear-Shot® planter seed tube to accurately place seed. A 30% stronger spring provides up to 245 lbs (111.1kg) of penetration force to allow for operation in minimum till

and light no-till conditions. An 18-position T-handle depth controlled press wheel ensures accurate seeding depth and closing of the seed groove. Both models are offered in 6”, 7 1/2”, and 10” row spacings. Seed flow blockage monitors are offered as optional equipment.



CTA-4000HD Model Shown



CTA-4000HD Model Shown



CTA-4000 Model Shown

## FEATURES & BENEFITS



**EASY HOOKUPS** - Hydraulics, monitor, and electric all hookup in one convenient location - between the cart and implement.



**HYD. WEIGHT TRANSFER** - Transfers weight from the center frame to the wings allowing even distribution of weight across implement.



**DISTRIBUTION TOWERS** - Dimpled distribution towers and transition cone divide seed equally for excellent seed distribution across entire drill.



**T-HANDLE** - Adjustment handle has multiple settings for precise seeding depth.



# NTA-3010, NTA-3510



NTA-3510 With ADC2350 Air Cart

## Field Proven

Field proven design of the NTA3010-3510 implement centers around a direct link to the cart. This integral design features a semi-mounted link between the cart and implement, allowing it

to raise and lower independent of the cart as it crosses undulations in the field. The hydraulic weight transfer system further enhances flexibility and insures equal weight is available to all rows.

# NTA-2007HD, NTA-3007HD



NTA-3007HD Model Shown

## New Generation Air Drill

Sometimes BIG things come in small packages. The 3007HD is a good example. 30' of productivity in a package that transports at 10' in width. (2) 100 bu. bulk hoppers provide 200 bushel

of bulk seed or seed and dry fertilizer, which minimizes fill time and maximizes productivity. The 3007HD utilizes a 07HD opener which brings a new level of seed placement accuracy to a drill.

# 3N-4010HDA



3N-4010HDA Model Shown With ADC2350B Pull Behind Air Cart

## Heavy Duty Air Drill

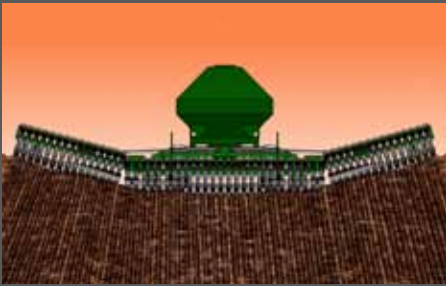
Use of the 10HD series opener has been expanded to include the 3N-4010HDA no-till air implement. This implement

utilizes a floating tongue and 12 degrees of wing flex up and down to follow contours and negotiate uneven terrain.

## FEATURES & BENEFITS



**HYD. WEIGHT TRANSFER -** Transfers weight from the center frame to the wings allowing even distribution of weight across entire width of implement.



**FLEXIBILITY -** Wing flex of 15° down and 20° up for excellent ground gauging capabilities.

## FEATURES & BENEFITS



**HIGH CAPACITY -** (2) 100 bushel hoppers, wide walk boards and ladders combine to make an air drill that keeps you in the field.

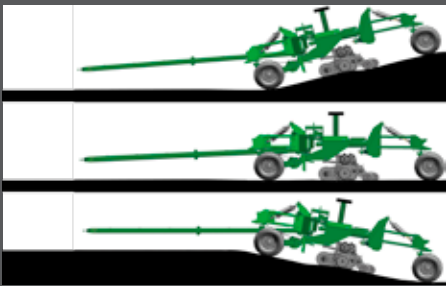


**HYD. DOWN PRESSURE -** Insures that all rows have the same amount of weight available for penetration even when crossing undulations.

## FEATURES & BENEFITS



**AIR CART -** The ADC2350B Pull-Behind cart carries 350 bushel (12,333 L) of seed and/or fertilizer onboard to decrease stops and increase productivity.



**FLOATING HITCH -** Floating hitch provides superior terrain following because unit pivots independently of the tongue.





#1 Salina Campus Overview Photo

## Great Plains Division Locations

- 1) Salina, KS Production Plants
- 2) Ellsworth, KS Production Plant
- 3) Tipton, KS Production Plant
- 4) Assaria, KS - Product Development
- 5) Salina, KS - Corporate Office



#2 Ellsworth Facility



#3 Tipton Facility



#4 Assaria Facility



#5 Salina Corporate Office

## State-of-the-Art Manufacturing



Modern Assembly Facilities



Precision Laser Cutting



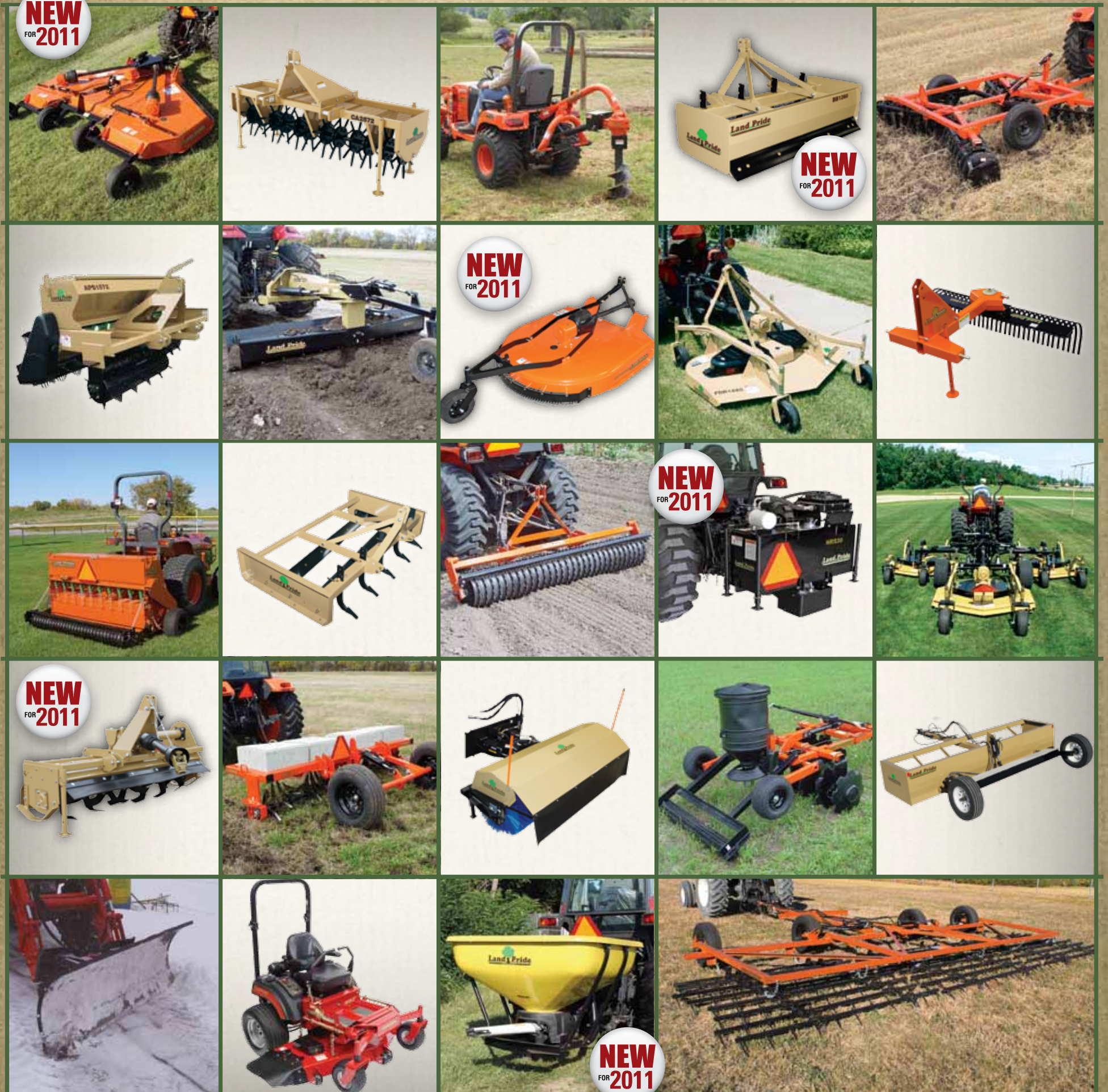
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Robotic Welding



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