



NO-TILL DRILLS

Tough machines for tough no-till conditions.



“SETTING THE PACE THROUGH INNOVATION.”

As agricultural producers, we're all aware of the increasing pressure to produce more with less. The demand for higher efficiency and increased productivity on the farm has never been greater. At Great Plains, we listen closely to our customers. We work as a team, continually breaking new ground and innovating new products that position your operation to profit in a changing agricultural environment.

To succeed in no-till farming, the precise placement of the seed in widely varying conditions is critical. Great Plains has developed and refined the necessary elements to succeed in no-till farming. Every drill in this catalog features those key elements, ensuring precision seed placement and ultimately outstanding yields.

I would like to personally thank you for considering our broad line of Seeding Systems. We look forward to putting our innovation to work in your operation.

Roy Applequist
President – Great Plains Mfg., Inc.



Conventional Tillage



Compact Drills



Sprayers



Yield-Pro Planters



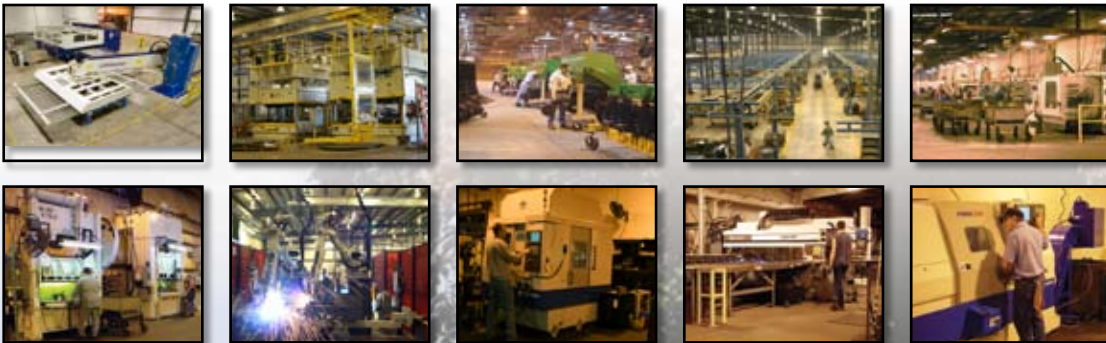
Min-Till

Great Plains

STATE-OF-THE-ART MANUFACTURING FACILITIES



STATE-OF-THE-ART PRODUCTION TOOLS



Drills

Precision Seeding Systems

No-Till Drills

Air Drills

Vertical Tillage

10HD SERIES NO-TILL OPENER



AVAILABLE ON THE

MODEL NAME

3N-4010HDF

1510HDF

2010HDF

1510HDF w/SSH

2010HDF w/SSH

Up To 11" of stagger
between rows.

4 Heavy duty down pressure
springs with 6 different settings
offer from 250 to 500 pounds of
down pressure per row.

Capron® wear bushings in
openers and press wheels

Planter seed tube

Mounting bracket for
optional row cleaners

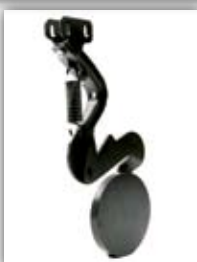
Unit Mount Coulters
choose fluted, wavy or
Turbo™ (optional)

4MM thick blades

15" Blades

Seed tube protect

10HD SERIES OPENER OPTIONS



A spring loaded Seed-Lok® Wheel
presses the seed into moist soil at
the bottom of the seed trench, pro-
viding excellent seed-to-soil contact.
The result is even emergence, since
seeds are planted and firmed at the
same depth.



Keeton Seed Firmers are design
to guide the seed to the bottom
the trench and firm it there creat
seed-to-soil contact. Liquid Fert
izer can be delivered to the trench
also which enhances emergence
maximizes fertilizer dollars.

Great Plains

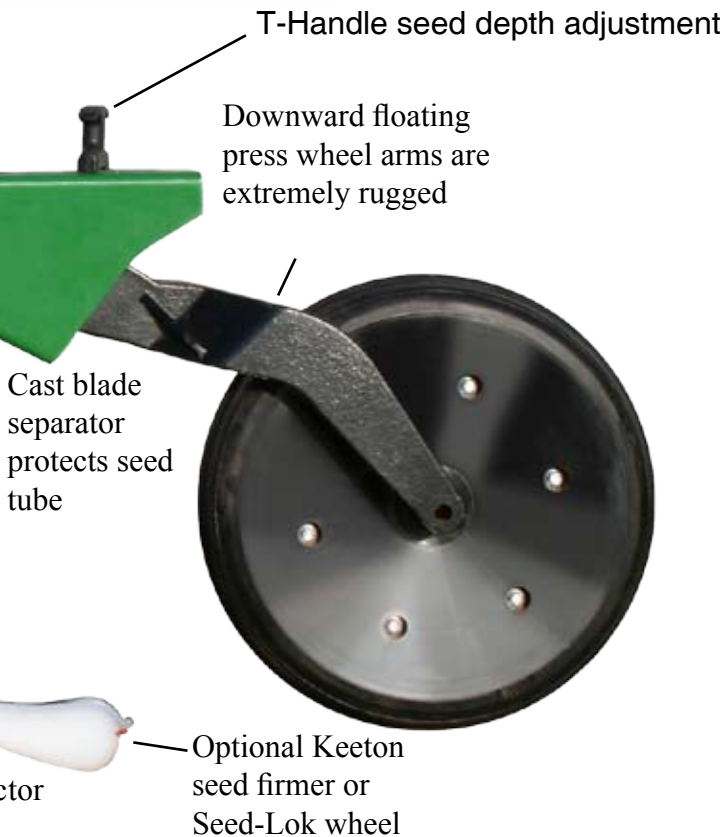
PRESS WHEEL CHOICES

ESE NO-TILL MODELS

ROW SPACINGS

7 1/2", 10"
7 1/2", 10"
7 1/2", 10"
7 1/2", 10"
7 1/2", 10"

The 10HD Series Opener - This opener redefines tough - with it's 15" blades, planter seed tube, cast blade separator, seed tube protector and cast press wheel arms.



3" x 13" Center Rib - This design firmly presses seed 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 of loose soil.

FLUTED FEED

Image of seedcup with all the different seeds around it from previous brochure. Page 64 top no-till catalog.

The 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.

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Air Design Scrapers. This unique design features a special tungsten carbide cutting edge that will outlast and outwear standard scrapers. The aggressive scraping action is ideal for higher residue, moist conditions.

40' Heavy Duty No-Till DRILLS

from
Great Plains



The 3N-4010HDF drill is designed to meet the demands of today's large scale no-till farmers. These workhorses are built around the 10HD series "Heavy Duty" opener. The 10HD is the first opener available on 7.5 inch spacing that can have a coulter mounted directly to it. This feature allows the coulter depth to be set in direct proportion to the opener disc blades.

When faced with BT corn stalks or tangled wheat stubble proper coulter depth management is a valuable asset. You can also choose to equip the drill with a spring loaded frame mount coulter which offers additional protection from stones. The 10HD may also be ordered without coulters to reduce soil disturbance and cost, but coulters can be added at anytime.

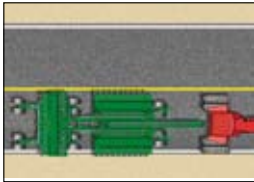
MODEL
3N-4010HDF

For seed metering it uses the simplicity of our proven 1 3/4" fluted feed cup, and comes standard with the Veris hydraulic drive, this system allows on-the-go seed rate changes and is also fully G.P.S. compatible. This productive unit folds to a narrow 14' 10 1/2" width. All of the gauge wheels remain on the ground keeping the unit stable and safe. This unit is also available as a 3N-4010HDP version that incorporates the ability to singulate corn, milo, soybeans and cotton into the 10HD opener.

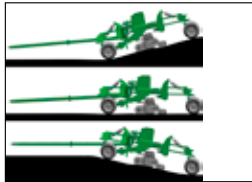


Great Plains

40' NO-TILL DRILL SPECIFICATIONS



Narrow Transport Width



Floating Tongue



Pivoting Gauge Wheels



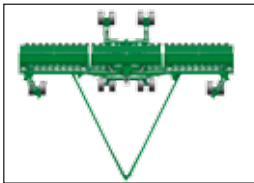
Press Wheel Choices



Large Seed Boxes



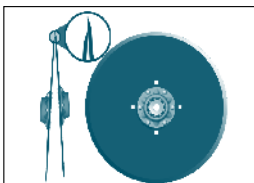
Heavy Duty Springs



Short Pull-Bar Length



2 Coulter Options



1/2" Offset 15" Dia. Disc Blades



Planter Seed Tube



Skid Steer Tires

FEATURES & BENEFITS

Feature	Benefit
Narrow Transport Width	Folds to a narrow 14' 10 1/2" for safe road travel
Heavy Duty Springs	Up to 500 lbs available for penetration
Short Pull-Bar Length	Allows for shorter end row turns, rigid design - no telescoping needed
2 Coulter Options	Coulters prepare a mini seedbed, unit mount or spring loaded frame mount available
1/2" Offset 15" Dia. Disc Blades	Increased offset allows easier penetration, 15" dia. blades improve trash cutting - 4mm thick blades last
Planter Seed Tube	Helps eliminate seed bounce which increases seed spacing accuracy.
Skid Steer Tires	Extra tough for strong bt corn stocks and soybean stubble, all 12 wheels help provide flotation in soft ground
Floating Tongue	Provides superior terrain following because unit pivots independently of the tongue
Pivoting Gauge Wheels	As unit folds gauge wheels move outboard and become leading transport wheels
Press Wheel Choices	Choose from 3 different press wheels to match your soil and seedbed conditions
Large Seed Boxes	2.4bu. per foot seed boxes with wide lids and stable walkboard fill fast and keep you in the field longer

OPTIONAL EQUIPMENT

Flat Fold Markers	Keeton Seed Firmers	Unit Mount Coulters
Liquid Fertilizer Kit	Weight Brackets	Seed-Lok® Wheels
Choice of Press Wheels	Fluted, Wavy or Turbo Blades	Frame Mounted Coulters
Seed Tube Plugs		

SPECIFICATIONS

Model Name	3N-4010HDF
Row Spacing	7 1/2", 10"
Number of Openers	64, 48
Weight	29,540 lbs.*
Working Width	40'
Transport Width	14' 10 1/2"
Transport Clearance	13 1/2"
Height	8'
Seedbox Capacity	96 bu.
Tire Size	33 x 15.5 - 16.5
Opener Travel	10"
Opener Depth Settings	0" to 3 1/2"
Opener Down Pressure	235 to 500 lbs.
HP Requirements (est)	275 to 400

Note: All specifications subject to change without notice.
*Weights based on 7.5" spacing and will vary depending on options.

15', & 20' Heavy Duty No-Till DRILLS



The 1510HDF and 2010HDF model no-till drills

are designed for the mid-sized operator to meet the challenges of today's no-till environment. The heart of this unit is the all new 10HD opener. It features Up to 490 pounds of down force for proper penetration. 15-inch diameter 4-millimeter thick disc blades for superior trash flow. 1/2-inch offset blades for proper seed trench formation. A re-enforced planter blade standard for strength, heat-treated blade separator for disc stability and finally a planter seed tube to gently place the seed at the desired depth...

The 10HD opener is also the first and only opener available on 7.5 inch spacing that can have an optional coulter mounted directly to the opener. This feature allows the coulter depth to set in direct proportion to the disc blade regardless of the seeding depth. When faced with BT corn stalks or tangled wheat stubble proper coulter depth management is a valuable asset. It is this combination that encourages superior seed placement and even emergence every time.

They also have the flexibility to be used as either a 3pt. or pull type. This unit becomes a pull-type when paired with an SSH hitch. This option also adds the opportunity to equip the unit with a 300 gallon fertilizer tank.

MODELS

1510HDF

2010HDF

SSH-1510HDF

SSH-2010HDF



Great Plains

15', & 20' HEAVY DUTY NO-TILL DRILL SPECIFICATIONS



10HD Openers



Straddle Axle Gauge Wheels



Large Seed Box



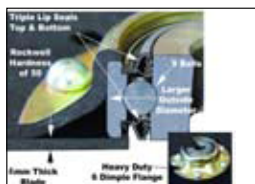
Liquid Fertilizer Option On SSH



Press Wheel Choices



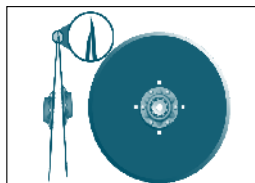
Heavy Duty Springs



4mm - 15" Diameter Blades



Unit Mount Coulters



1/2" Offset Blades



Planter Style Seed Tube



SSH Pull Hitch

FEATURES & BENEFITS

Feature	Benefit
10HD Openers	Large blades improved trash clearance
Heavy Duty Springs	Up to 500 lbs available for penetration
4mm - 15" Diameter Blades	4mm blades last longer 15" diameter cuts trash better
Unit Mount Coulters	Optional Coulters prepare a mini seedbed for the double disks to plant in
1/2" Offset Blades	Increased offset allows for better cutting action and easier penetration
Planter Style Seed Tube	Helps eliminate seed bounce
SSH Pull Hitch	Strengthened for improved durability and rigidity in extreme conditions
Straddle Axle Gauge Wheels	Provides more strength then side mounted gauge wheels
Large Seed Box	Means less fill time in the field
Liquid Fertilizer Option On SSH	Add up to 400 gallons of fertilizer to the SSH Hitch
Press Wheel Choices	Choose from 3 different press wheels to match your soil and seedbed conditions

OPTIONAL EQUIPMENT

Flat Fold Markers	Unit Mount Coulters	Dry Fertilizer Kit
Liquid Fertilizer Kit (on optional hitch)	Weight Brackets	Small Seed Box
Choice of Press Wheels	Fluted, Wavy or Turbo Blades	SSH Hitch
Keeton Seed Firmers	Seed-Lok® Wheels	Hitch Set-Back Kit

SPECIFICATIONS

Model Name	1510HDF	2010HDF	SSH-1510HDF	SSH-2010HDF
Row Spacing	7 1/2", 10"	7 1/2", 10"	7 1/2", 10"	7 1/2", 10"
Number of Openers	24, 18	32, 24	24, 18	32, 24
Weight	5530 lbs.	7620 lbs.	N/A	N/A
Working Width	15'	20'	15'	20'
Transport Width	15' 3"	20' 1 1/2"	15' 3"	20' 1 1/2"
Height	6' 3/4"	6' 3/4"	6' 3/4"	6' 3/4"
Length	7' 6"	7' 6"	NA	NA
Seedbox Capacity	36 bu.	48 bu.	36 bu.	48 bu.
Dry Fertilizer Capacity (opt)	15 cu. ft.	20 cu. ft.	15 cu. ft.	20 cu. ft.
Tire Size	9.5 x 15"	11 x 15"	9.5x15 Drill 12.5x15 Hitch	11x15 Drill 12.5x15 Hitch
Opener Travel	10"	10"	10"	10"
Opener Depth Settings	0 to 3.5"	0 to 3.5"	0 to 3.5"	0 to 3.5"
Opener Down Pressure	250-490 lbs.	250-490 lbs.	250-490 lbs.	250-490 lbs.
Coulter Depth	0 to 4"	0 to 4"	0 to 4"	0 to 4"
HP Requirements (est)	110-150	145-185	110-150	145-185

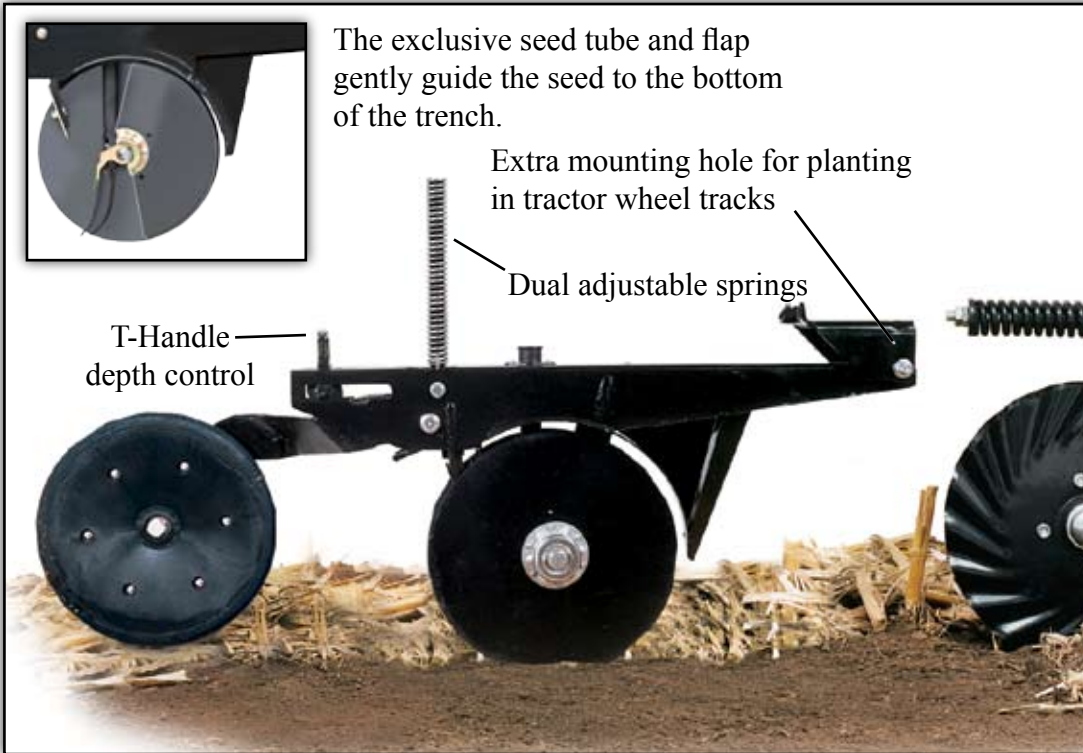
Note: All specifications subject to change without notice.

*Weights based on 7.5" spacing and will vary depending on options. ** Determined by tractor 3-point.

00 & 10 SERIES NO-TILL OPENERS



00 SERIES OPENER



AVAILABLE ON THESE NO-TILL MODELS

MODEL NAME	ROW SPACINGS
CPH-1500	7 1/2", 10"
PFH-1500	7 1/2", 10"
CPH-2000	7 1/2", 10"
PFH2000	7 1/2", 10"

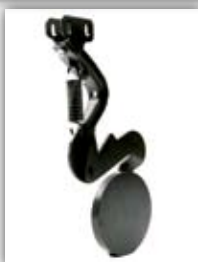
The 00 Series Opener is our standard opener. It's a "straight arm" single pivot design works in conjunction with our no-till coulter to properly plant seed. A trailing press wheel gauges the depth from a residue free zone directly behind the opener for superior seed placement accuracy.



AVAILABLE ON THESE NO-TILL MODELS

MODEL NAME
2N-2410
2N-3010
CPH-1510
PFH-1510
CPH-2010
PFH2010

00 & 10 SERIES OPENER OPTIONS



A spring loaded Seed-Lok® Wheel presses the seed into moist soil at the bottom of the seed trench, providing excellent seed-to-soil contact. The result is even emergence, since seeds are planted and firmed at the same depth.



Keeton Seed Firmers are designed to guide the seed to the bottom of the trench and firm it there creating excellent seed-to-soil contact.

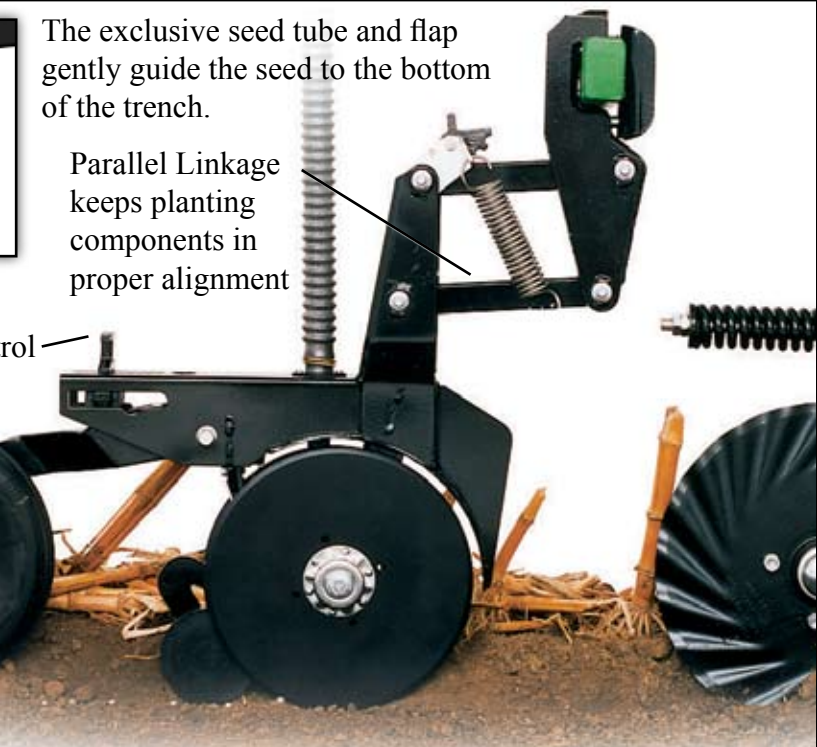
Great Plains

00 & 10 PRESS WHEEL CHOICES

10 SERIES OPENER

The exclusive seed tube and flap gently guide the seed to the bottom of the trench.

Parallel Linkage keeps planting components in proper alignment



NO-TILL MODELS

ROW SPACINGS

7 1/2", 10"

7 1/2", 10"

7 1/2", 10"

7 1/2", 10"

7 1/2", 10"

7 1/2", 10"

The 10 Series parallel linkage design provides solid down pressure that maintains accuracy in rugged no-till field conditions. It has over 10" of travel in the parallel linkage to clear rough terrain and obstacles.

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Air Design Scrapers. This unique design features a special tungsten carbide cutting edge that will outlast and outwear standard scrapers. The aggressive scraping action is ideal for higher residue, moist conditions.



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 seed 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 seed-beds in firm soil but a large "footprint" allows it to stay on top of 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.

FLUTED FEED

Image of seedcup with all the different seeds around it from previous brochure. Page 64 top no-till catalog.

The 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.

24' & 30' 2-Section No-Till DRILLS



from



This field proven 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.

MODELS

2N-2410

2N-3010

Accurate depth control is provided by the direct link press wheel with 18 depth settings in 1/4" increments. The 2.1 bushel per foot seed box and wide stable walk board provide an excellent level of productivity at a reasonable price. These units come standard with point row clutches that allow the operator to seed with one-half the drill width to save seed cost. Options include high flotation skid steer tires, shaft monitor, Keeton seed firmers, flat-fold marker, seed box agitator, and two bar spike harrow.



Great Plains

24' & 30' 2-SECTION NO-TILL DRILL SPECIFICATIONS



Fold For Transport



Four Speed Gearbox



Grease Bank



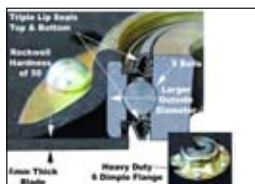
Electro-Hydraulics



Press Wheel Choices



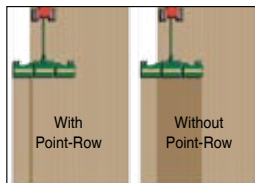
Frame Mounted Coulters



205 Opener Disk Bearings



Large Seed Box



Electric Point-Row Clutches



Seed Tube And Flap



Optional Weight Brackets

FEATURES & BENEFITS

Feature	Benefit
Fold For Transport	Fold for transport without leaving your tractor Seat
Frame Mounted Coulters	450 lbs of coulters preload keep the coulters in the ground and running at the proper depth
205 Opener Disk Bearings	Large 205mm tripple-lip-seal bearings for superior blade life
Large Seed Box	Minimizes stops in the field to increase productivity
Electric Point-Row Clutches	Shuts off drill sections for point-row seeding
Seed Tube And Flap	Guides seed to the bottom of the trench and helps eliminate seed bounce
Optional Weight Bracket	Add additional weight to penetrate tough seeding conditions
Four Speed Gearbox	Makes seed rate changes easy with the lever shifter
Grease Bank	Central location for easy coulters maintenance
Electro-Hydraulics	Lift, fold, and marker functions all controlled with switches in the tractor
Press Wheel Choices	Choose from 4 different press wheels to match your soil and seedbed conditions

OPTIONAL EQUIPMENT

Flat Fold Markers	Keeton Seed Firmers	Small Seeds
Seed Cup Plugs	Weight Brackets	Seed-Lok® Wheels
Choice of Press Wheels	Fluted, Wavy or Turbo Blades	Agitator
Shaft Monitor	Coil Tine Harrow	Air Design Disk Scraper
Flow Monitor	Skid Steer Tires	

SPECIFICATIONS

Model Name	2N-2410	2N-3010
Row Spacing	7 1/2", 10"	7 1/2", 10"
Number of Openers	38, 28	48, 36
Weight	17,400 lbs.	20200 lbs
Working Width	24'	30'
Transport Width	17' 1"	17' 1"
Transport Clearance	17"	17"
Height	8' 4"	8' 4"
Length	21' 4"	24' 2"
Seedbox Capacity	48 bu.	60 bu.
Tire Size	12.5 x 15" Transport, 11L x 15" Gauge Wheel	12.5 x 15" Transport, 11L x 15" Gauge Wheel
Opener Travel	10"	10'
Opener Depth Settings	0 to 3.5"	0 to 3.5"
Opener Down Pressure	100 to 140 lbs.	100 to 140 lbs.
Coulter Depth	0" to 4"	0" to 4"
Coulter Pre-Load	450 lbs.	450 lbs.
HP Requirements (est)	140	200

Note: All specifications subject to change without notice.

*Weights based on 7.5" spacing and will vary depending on options.

12', 15', & 20' CPH No-Till DRILLS



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 coulters.

The 2.4 bushel per foot seed box in combination with the 12', 15', and 20' working width enables you to cover a large number of acres between fills. Other features include a rugged 6 x 6 square tubing drill mainframe, 7" opener stagger and fast lift cycles increase productivity without sacrificing dependability.

MODELS

CPH-1200
CPH-1500
CPH-1510
CPH-2000
CPH-2010
CPH-3PNG

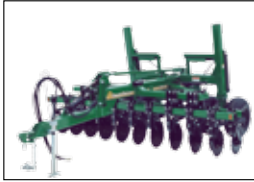


Mount the CPH-15 to our 3PNG native grass 3-point drill and you have the ability to direct seed native grasses. This drill has a 2.0 bushel seed box and 2.0 bushel native grass box. The rugged frame features a double 3 1/2" square tubing mainframe.



Great Plains

12', 15', & 20' CPH NO-TILL DRILL SPECIFICATIONS



Center Pivot Hitch



Rate Change



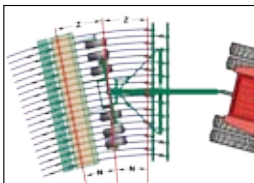
Gauge Wheel Drive



Large Waterproof Seed Boxes



Press Wheel Choices



Exclusive Hitch Design



Pivot Locks



Quick Hitch



Leaf Spring And Shock Design



450 lbs. Of Coulter Pre-Load



Depth Gauge

FEATURES & BENEFITS

Feature	Benefit
Center Pivot Hitch	Hitch turns regular drill into no-till machine
Exclusive Hitch Design	Unique design makes drill track with lead coulters even when turning
Pivot Locks	Simple flip locks down to make CPH and drill rigid for transport
Quick Hitch	Rugged quick hitch allows attaching of 3-point drill without the hassle of aligning pins
Leaf Spring And Shock Design	Leaf spring allows CPH and drill to move independently shocks keep all movement smooth and under control
450 lbs. Of Coulter Pre-Load	Coulters penetrate and stay at the set depth until an obstruction is encountered
Depth Gauge	A Highly visible depth gauge lets you see and adjust the coulter depth accurately from the tractor seat
Rate Change	Accurate seed rate handle opens all fluted feed cups to desired seed rate
Gauge Wheel Drive	Ground engaging drive is simple and requires no clutch
Large Waterproof Seed Boxes	2.4 bu. per ft seed boxes with seed deflectors, lid supports, V-bottom and wide walkboards
Press Wheel Choices	Choose from 4 different press wheels to match your soil and seedbed conditions

OPTIONAL EQUIPMENT

Flat Fold Markers	Keeton Seed Firmers	Small Seeds
Seed Cup Plugs	Coulter Command	Seed-Lok® Wheels
Choice of Press Wheels	Fluted, Wavy or Turbo Blades	Agitator
Dry Fertilizer	Coil Tine Harrow	Air Design Disk Scraper

SPECIFICATIONS

Model Name	CPH-1200	CPH-1500	CPH-1510	CPH-2000	CPH-2010
Row Spacing	7 1/2", 10"	7 1/2", 10"	7 1/2", 10"	7 1/2", 10"	7 1/2", 10"
Number of Openers	20, 14	24, 18	24, 18	32, 30	32, 24
Weight	6850 lbs.	7885 lbs.	8315 lbs.	9720 lbs.	10295 lbs.
Working Width	12'	15'	15'	20'	20'
Transport Width	12' 1"	15' 3"	15' 3"	20' 4"	20' 4"
Transport Clearance	17"	17"	17"	17"	17"
Height	8' 2"	8' 2"	8' 2"	8' 2"	8' 2"
Length	21' 10"	21' 10"	21' 10"	21' 10"	21' 10"
Seedbox Capacity	29 bu.	36 bu.	36 bu.	48 bu.	48 bu.
Fertilizer Capacity (opt)	12 cu. ft.	15 cu. ft.	15 cu. ft.	20 cu. ft.	20 cu. ft.
Tire Size	9.5 x 15"	9.5 x 15"	9.5 x 15"	11 x 15"	11 x 15"
Opener Travel	6.5"	6.5"	10"	6.5"	10"
Opener Depth Settings	0 to 3.5"	0 to 3.5"	0 to 3.5"	0 to 3.5"	0 to 3.5"
Opener Down Pressure	90-180 lbs.	90-180 lbs.	100-140 lbs.	90-180 lbs.	100-140 lbs.
Coulter Depth	0 to 4"	0 to 4"	0 to 4"	0 to 4"	0 to 4"
Coulter Preload	450 lbs.	450 lbs.	450 lbs.	450 lbs.	450 lbs.
HP Requirements (est)	100	125	125	165	165

Note: All specifications subject to change without notice.

*Weights based on 7.5" spacing and will vary depending on options.

15', & 20' PFH No-Till DRILLS

from
Great Plains



The two main components to healthy plans and excellent stands are proper fertility and excellent depth control - the PFH system provides just that. Plant and fertilize, all in a single pass. And, with Great Plains quality and innovation, you'll know you'll be doing it right the first time, every time.

The Precision Fertilizer Hitch is designed specifically to allow a wide range of fertilizer application rates and configurations, including in-row application. Available in 7.5" and 10" row spacing, the PFH is designed to be used with both our fluted feed and precision 15' and 20' 3-point drills.



Precision Fertilizer Hitch turns 15' and 20' 3-point conventional drills into no-till drills.

MODELS

PFH-1500

PFH-1510

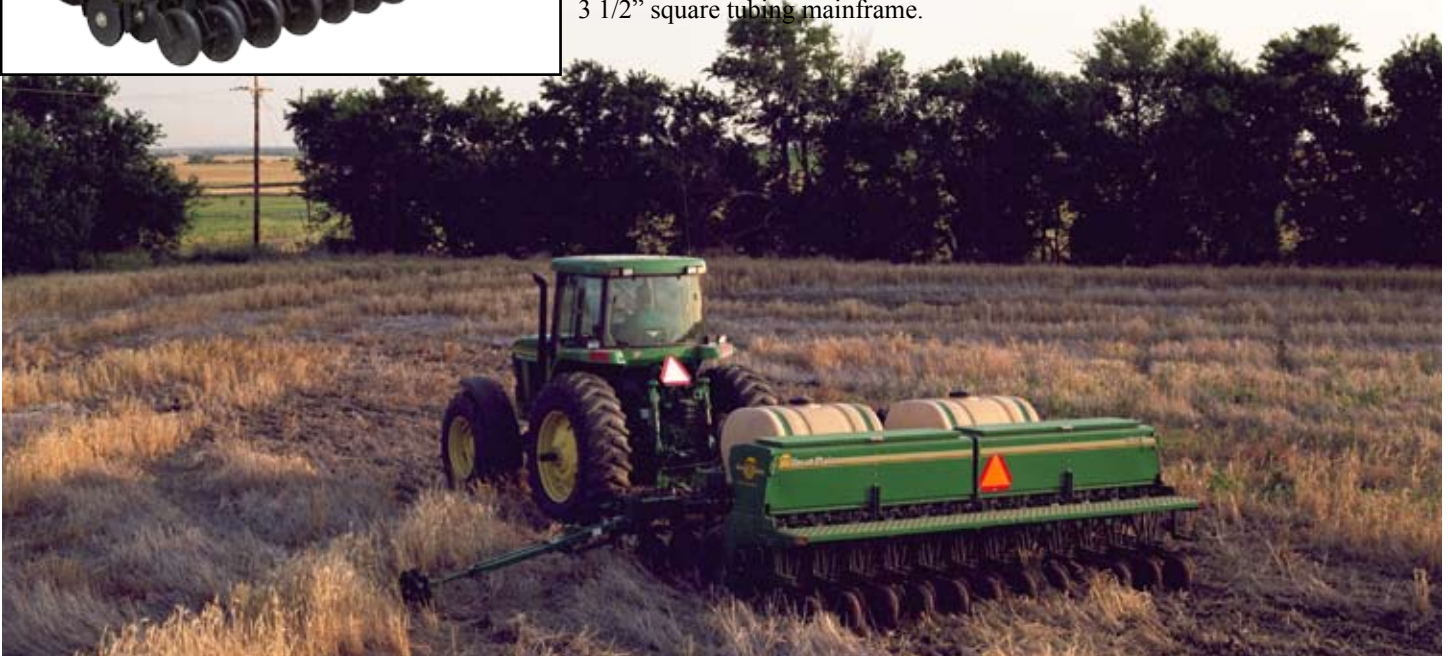
PFH-2000

PFH-2010

PFH-3PNG

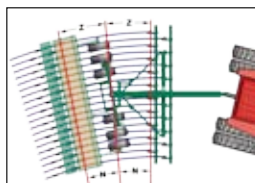


Mount the PFH-15 to our 3PNG native grass 3-point drill and you have the ability to direct seed native grasses. This drill has a 2.0 bushel seed box and 2.0 bushel native grass box. The rugged frame features a double 3 1/2" square tubing mainframe.



Great Plains

15', & 20' PFH NO-TILL DRILL SPECIFICATIONS



Center Pivot Design



400 Gallons Of Liquid Fertilizer



Gauge Wheel Drive



Liquid Fertilizer Coulters



Press Wheel Choices



Coulter Stagger



Ground Drive Fertilizer



Automatic Pivot Locks



Fertilizer Pump



Leaf Spring and Shock Design



Depth Gauge

FEATURES & BENEFITS

Feature	Benefit
Center Pivot Design	Drill always tracks behind the lead coulters even on turns and side-hills
Coulter Stagger	10 3/4" Stagger provides unobstructed residue flow
Ground Drive Fertilizer	Special Tire and floating down pressure keeps fertilizer pump accurate
Automatic Pivot Locks	Locks automatically engage when raising making pfh and drill rigid for added safety in transport and field turns
Fertilizer Pump	Accurately delivers fertilizer from 8 to 80 psi
Leaf Spring and Shock Design	Leaf spring allows CPH and drill to move independently shocks keep all movement smooth and under control
Depth Gauge	A Highly visible depth gauge lets you see and adjust the coulter depth accurately from the tractor seat
400 Gallons Of Liquid Fertilizer	2 - 200 gallon tanks apply fertilizer in-row with the seed for excellent start to plant
Gauge Wheel Drive	Positive adjustable gauge wheel drive coupled with a 4-speed gearbox
Liquid Fertilizer Coulters	Accurately places fertilizer just below seed
Press Wheels	Press wheel options allow tailoring to various soil conditions

OPTIONAL EQUIPMENT

Flat Fold Markers	Keeton Seed Firmers	Small Seeds
Seed Cup Plugs	Coulter Command	Seed-Lok® Wheels
Choice of Press Wheels	Fluted, Wavy or Turbo Blades	Agitator
Dry Fertilizer	Coil Tine Harrow	Air Design Disk Scraper

SPECIFICATIONS

Model Name	PFH-1500	PFH-1510	PFH-2000	PFH-2010
Row Spacing	7 1/2", 10"	7 1/2", 10"	7 1/2", 10"	7 1/2", 10"
Number of Openers	24, 18	24, 18	32, 24	32, 24
Weight	10345 lbs.	11030 lbs.	12795 lbs.	13370 lbs.
Working Width	15'	15'	20'	20'
Transport Width	15' 4"	15' 4"	20' 10"	20' 10"
Transport Clearance	17"	17"	17"	17"
Height	6' 10"	6' 10"	6' 10"	6' 10"
Length	18' 2"	18' 2"	18' 2"	18' 2"
Seedbox Capacity	36 bu.	36 bu.	48 bu.	48 bu.
Fertilizer Capacity (opt)	15 cu. ft.	15 cu. ft.	20 cu. ft.	20 cu. ft.
Tire Size	11 x 15"	11 x 15"	11 x 15"	11 x 15"
Opener Travel	6.5"	10"	6.5"	10"
Opener Depth Settings	0 to 3.5"	0 to 3.5"	0 to 3.5"	0 to 3.5"
Opener Down Pressure	90-180 lbs.	100-140 lbs.	90-180 lbs.	100-140 lbs.
Coulter Depth	0 to 4"	0 to 4"	0 to 4"	0 to 4"
Coulter Preload	450 lbs.	450 lbs.	450 lbs.	450 lbs.
HP Requirements (est)	135	135	175	175

Note: All specifications subject to change without notice.

*Weights based on 7.5" spacing and will vary depending on options.

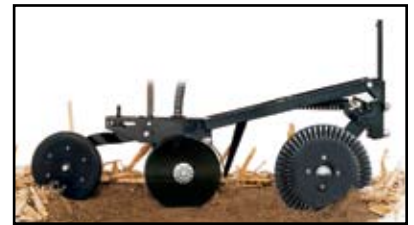
12' End Wheel No-Till DRILLS



MODEL 1205NT

The full 12' working width in conjunction with the precise depth control of the no-till seed placement system provide an unmatched level of productivity and accuracy. The 1205 End Wheel features the exclusive Great Plains fluted feed seed cup that gently and accurately delivers a wide variety of seeds.

The end wheel design makes the 1205 extremely maneuverable. By keeping all ground-working components in-line with the end wheels, openers are prevented from side loading when working on rolling terrain and contours. Additional features that increase the convenience and productivity of the 1205 End Wheel are the four speed gearbox metering system, integrated transport locks and an automatic clutch that disengages when the drill is raised



The 05 series opener features a leading coulter integrated directly into the opener design. This design penetrates the toughest no-till soil conditions. (See 00 series opener for more features)



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12' END WHEEL NO-TILL DRILL SPECIFICATIONS



End Wheel Design



Acremeter



Feeder Cup Adjustment



Remote Hyd. Depth Stop



Press Wheel Choices



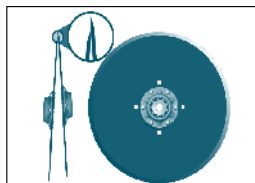
Integrated Weight Brackets



4-Speed Gearbox



Integrated Coulter



1/4" Offset Blades



Grease Bank



Staggered Openers

FEATURES & BENEFITS

Feature	Benefit
End Wheel Design	Keeps all ground working components in-line with the end wheels preventing side-loading
Integrated Weight Brackets	Add weight for better penetration in tough no-till conditions
4-Speed Gearbox	Metering rate can be changes quickly and conveniently from single location
Integrated Coulters	The 05 Series opener integrates the coulter with the opener for precision depth control
1/4" Offset Blades	Increased offset allows for better cutting action and easier penetration
Grease Bank	Located at the front of the frame on each side of unit lubricates all coulter pivot components
Staggered Openers	10 3/4" of stagger between rows provides unobstructed residue flow through machine
Acre Meter	Keep track of rental acres or field acres with this accurate acre meter
Feeder Cup Adjustment	Provides one spot feeder cup adjustment with infinite settings
Remote Hyd. Depth Stop	Every full turn increases or decrease opener depth by 1/4"
Press Wheel Choices	Press wheel options allow tailoring to various soil conditions

OPTIONAL EQUIPMENT

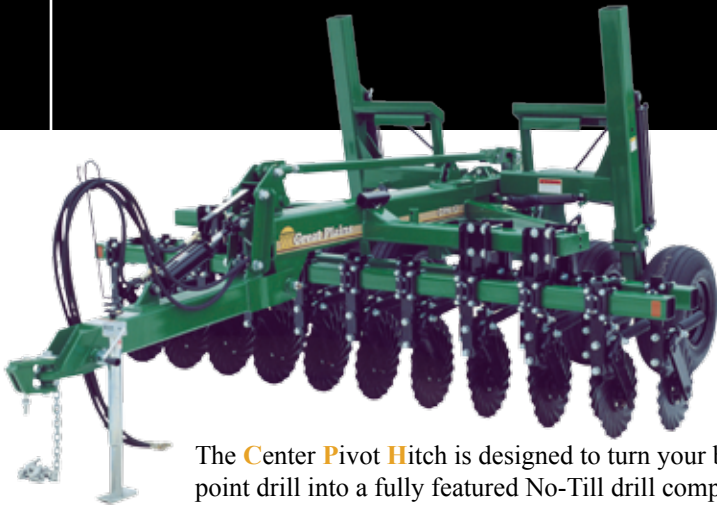
Markers	Keeton Seed Firmers	Small Seeds
Seed Cup Plugs	Coulter Options	Seed-Lok® Wheels
Choice of Press Wheels	Fluted, Wavy or Turbo Blades	Seed Box Agitator
Dry Fertilizer	Harrow	Air Design Disk Scraper

SPECIFICATIONS

Model Name	1205NT
Row Spacing	7", 7 1/2", 8"
Number of Openers	20, 19, 18
Weight	5965 lbs.
Working Width	12'
Transport Width	15' 7"
Transport Clearance	13 1/2"
Height	7'
Length	13' 9"
Seedbox Capacity	28.8 bu
Fertilizer Capacity (opt)	12 cu. ft.
Tire Size	11 x 22.5"
Opener Travel	6.5"
Opener Depth Settings	0 to 3.5"
Opener Down Pressure	90-180 lbs.
Coulter Depth	0 to 4"
Coulter Preload	450 lbs.
HP Requirements (est)	75

Note: All specifications subject to change without notice.
 *Weights based on 7.5" spacing and will vary depending on options.

CPH, PFH & SSH HITCHES



The **C**enter **P**ivot **H**itch is designed to turn your basic 3-point drill into a fully featured No-Till drill complete with coulters and adjustable down pressure. The CPH allows you to choose between having the drill ridged or float independently of the hitch.

MODELS CPH-15 CPH-20

SLIDE BLOCK DESIGN



Provides plenty of power to lift even fully loaded and optioned out 3-point drills. Slide blocks reduce friction and make components last longer. Other features include spring loaded hydraulic cylinders to absorb transmitted shock.



Precision **F**ertilizer **H**itches take hitches to the next level of no-till seeding with the addition of 400 gallons of fertilizer, a highly accurate fertilizer pump and adjustable down pressure.

MODELS PFH-15 PFH-20

ROCK SHAFT DESIGN



The rockshaft lift gives this unit plenty of lift capacity to pick up not only a full planting unit but also 400 gallons of on-board fertilizer. The dual 12.5L tires are designed to straddle 30" rows. Automatic pivot locks engage when fully raised fully to the transport position.



Originally design for the rigors of sub-soiling the Great Plains **S**ub **S**oiler **H**itch is quite capable as a tough 3-point pull package. The SSH can turn your 3-point No-Till drill or other 3-point implements into pull-type machines. No longer requiring the normal hassle of hooking and unhooking to the tractors 3-point hitch. The rugged design allows it to handle equipment up to 15,000 lbs. Optional 300 gallon fertilizer tank is available.

MODEL SSH

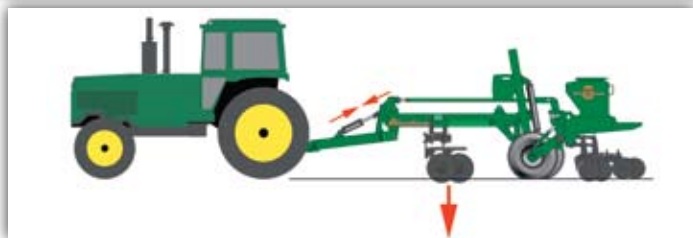
ADJUSTABLE GAUGE WHEELS



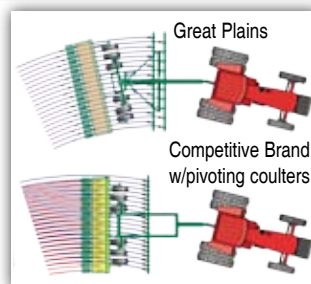
Gauge wheels are adjustable to match your row spacing

Great Plains

CPH & PFH FEATURES



Hydraulic Weight Transfer —To increase the coulters depth, simply shorten the tongue cylinder. The unique design of CPHs and PFHs transfer weight from the tractor to the coulters to aid in penetration.



Center Pivot Design —Great Plains is the only no-till system that plants properly on curves and contours. Our CPH (Center Pivot Hitch) and PFH (Precision Fertilizer Hitch) aligns the coulters with the openers for perfect tracking. As the illustration

demonstrates, competitive brand pivoting coulters cannot maintain proper tracking.



Double Coulters Bars —The Double Coulters Bar design of CPHs and PFHs provide a full 10 3/4" of stagger between the coulters. This offset enhances the level of residue that can pass unobstructed through the hitch.



Coulter Command —Coulter Command™ takes the guesswork out of coulters depth control. With Coulter Command™, you can lock in a preset coulters depth. Coulter Commands™ micro-processors and electro-hydraulics then maintain the depth, compensating automatically for field conditions and ground speed.

SAFETY FEATURES



Quick Hitch —Positive locking quick hitch keeps the hitch and drill together and makes hookup easier.



Transport Locks —All hitches come with locks to ensure safe transport. CPHs and PFHs have additional pivot locks for the Center Pivot (shown).



Safety Chain —Heavy duty safety chains connect to the tractor for added security in transporting.

SPECIFICATIONS AND OPTIONS

Model Name	CPH-15	CPH-20	PFH-15	PFH-20	SSH
Row Spacing	7 1/2", 10"	7 1/2", 10"	7 1/2", 10"	7 1/2", 10"	NA
Number of Coulters	24, 18	32, 24	24, 18	32, 24	NA
Hitch Category	II	II	II	II	II III IIIN
Weight	4670, 4280	5420, 4900	6560, 6170	7215, 6695	3040
Working Width	15'	20'	15'	20'	NA
Transport Width	15' 4"	20'	15' 4"	20'	NA
Height	8' 11"	8' 11"	7' 5" w/tanks	7' 5" w/tanks	NA
Length	17' 8"	17' 8"	12' 2"	12' 2"	14'
Fertilizer Capacity (opt)	NA	NA	400gal.	400gal.	300gal.
Tire Size	9.5L x 15"	9.5L x 15"	11 x 15"	11 x 15"	12.5L x 15"
Coulter Depth	0 to 6"	0 to 6"	0 to 6"	0 to 6"	NA
Coulter Preload	450 lbs.	450 lbs.	450 lbs.	450 lbs.	NA
Coulter Command	Optional	Optional	Optional	Optional	NA
Markers	Optional	Optional	Optional	Optional	NA
Hydraulic Weight	Standard	Standard	Standard	Standard	NA
Center Pivot Design	Standard	Standard	Standard	Standard	NA
Piston Pump Rates	NA	NA	5 to 80 GPM	5 to 80 GPM	NA

Note: All specifications subject to change without notice.
Dimensions are for hitches only - Dimensions may change when attached to a drill.

NO-TILL DRILL FEATURES



COULTER CHOICES



5/8" Turbo Coulter — The exclusive design of the patented Turbo Coulter is our first choice for maximum penetration and performance. It features excellent slicing with minimum hairpinning at all speeds ranging from 4-1/2 mph to 8 mph. The 5/8" angle wave creates a finely tilled strip directly in front of the opener.



3/4" Wavy Coulter — The 12 flute coulters tills a strip up to 1-1/2" wide in high residue, no-till conditions. The wavy blade design fluffs the soil into a tilthy seedbed that provides better seed-to-soil contact and promotes quicker soil warm-up. The 12 flute coulters are ideally suited for moist spring planting and performs well in a wide variety of conditions.



5/16" Fluted Coulter — This coulters is ideally suited for sod and pasture applications. The ripple design penetrates soil easily creating a narrow slot. The 5/16" coulters are suggested for use in heavier soil types where a minimum amount of coulters tillage is needed. This coulters performs equally well at all field speeds.

DRIVE FEATURES



4-Speed Gearbox — Provides increased accuracy and flexibility of the metering system by giving the operator more choice for drive speed to fluted feed meter opening. This is a Great Plains Exclusive. (Not available on native grass models)

STANDARD ON
1205NT
12', 15', 20' 3-POINTS
24' & 30' 2-SECTIONS



Variable Rate Drive — Veris hydraulic drives allows on the go seed rate changes from the tractor seat. It is fully G.P.S. compatible. New technology keeps this unit running smoothly without pulsing and without making sprocket changes.

STANDARD ON
3N-4010HDF

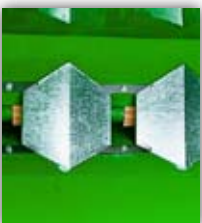
SEEDBOX FEATURES



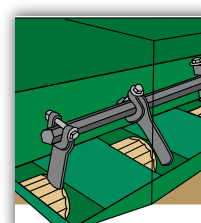
Weatherproof Lids — Great Plains lids open wide and stay open to make filling an easy task. The design of the lid creates a weatherproof seal that protects seed and fertilizer from the elements.



Seed level Indicators — A high visibility seed level indicator can be easily viewed from the tractor. Inside the seed box, our floating indicator provides an accurate reading on current seed box level.



V-Bottom Seed Boxes — V-bottom seed boxes are designed for even and complete seed box clean out and helps prevent seed shifting in the boxes on sidehills.



Seed Box Agitators — An optional Seed Box Agitator can be added to the main seed box. The rotating design provides continual movement and consistent flow of the seed to the feed cups. This option also prevents caking and bridging of the seed in the box. (Not available on native grass models)

Great Plains

METERING FEATURES



Fluted Feed Cups — The 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. The seed cup design maintains precise delivery in fast or slow drilling conditions.



Small Seeds Box — The small seeds box is mounted directly to the back of the main seed box. It features a high capacity seed box for maximum field time between fills. The small seeds meter is a smaller version of our well known fluted feed cup. The cup accurately meters seeds such as clover, alfalfa and other small seeds.

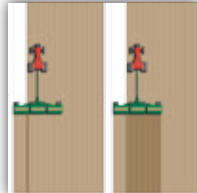


Fertilizer Attachment — Our fertilizer attachment features an easy-clean-out drop bottom and cast-mounted bearings for trouble-free fertilizer application. Our 6 point star meter wheels accurately meter just the amount of fertilizer you desire.



Native Grass Attachment — The picker wheel meter design is aggressive enough to feed fluffy, native grass blends like: Big Blue Stem, Indian Grass, and Side Oats Grama. This box comes standard with an agitator to keep fluffy seed moving to the meter.

ADDITIONAL FEATURES



Point-Row Clutches — Optional on 2N-2410 and 2N-3010 drills the point-row clutches allow you to control seeding on each drill section. Have only a narrow row to plant? With point row, you can turn off seeding from the tractor cab on a single section minimizing wasted seed.



Shaft Monitors — Shaft Monitors are an economical way to know that your no-till drill is delivering seed. No longer when drilling after dark do you need to wonder if the feed shaft is turning.



Markers — Heavy-duty no-till markers are available with the engineered structural integrity and weight needed to penetrate no-till residue and soil. A cast hub with tapered roller bearings and bolt-on notched blade will cut through the heaviest residue. Markers are available for drills or no-till hitches.



Harrows — Our Coil Tine Harrow finishes no-till surfaces by leveling and distributing residue to save moisture and enhance seed germination.



Weight Brackets — Weight Brackets allow you to add your tractor weights to the no-till machine for added penetration in harsh conditions.

SAFETY FEATURES



Safety Lighting — A Safety Lighting package is available for every model Great Plains Drill. The kit can be quickly installed and provides a high level of visibility and safety during transport from one field to the next.



Wide Walkboards And Ladders — Safety was our primary concern when designing our Walkboard and Ladders. The ladders provide easy access to our large non-skid walkboards that stretch the full width of the machine.



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"Setting the pace through innovation."

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