

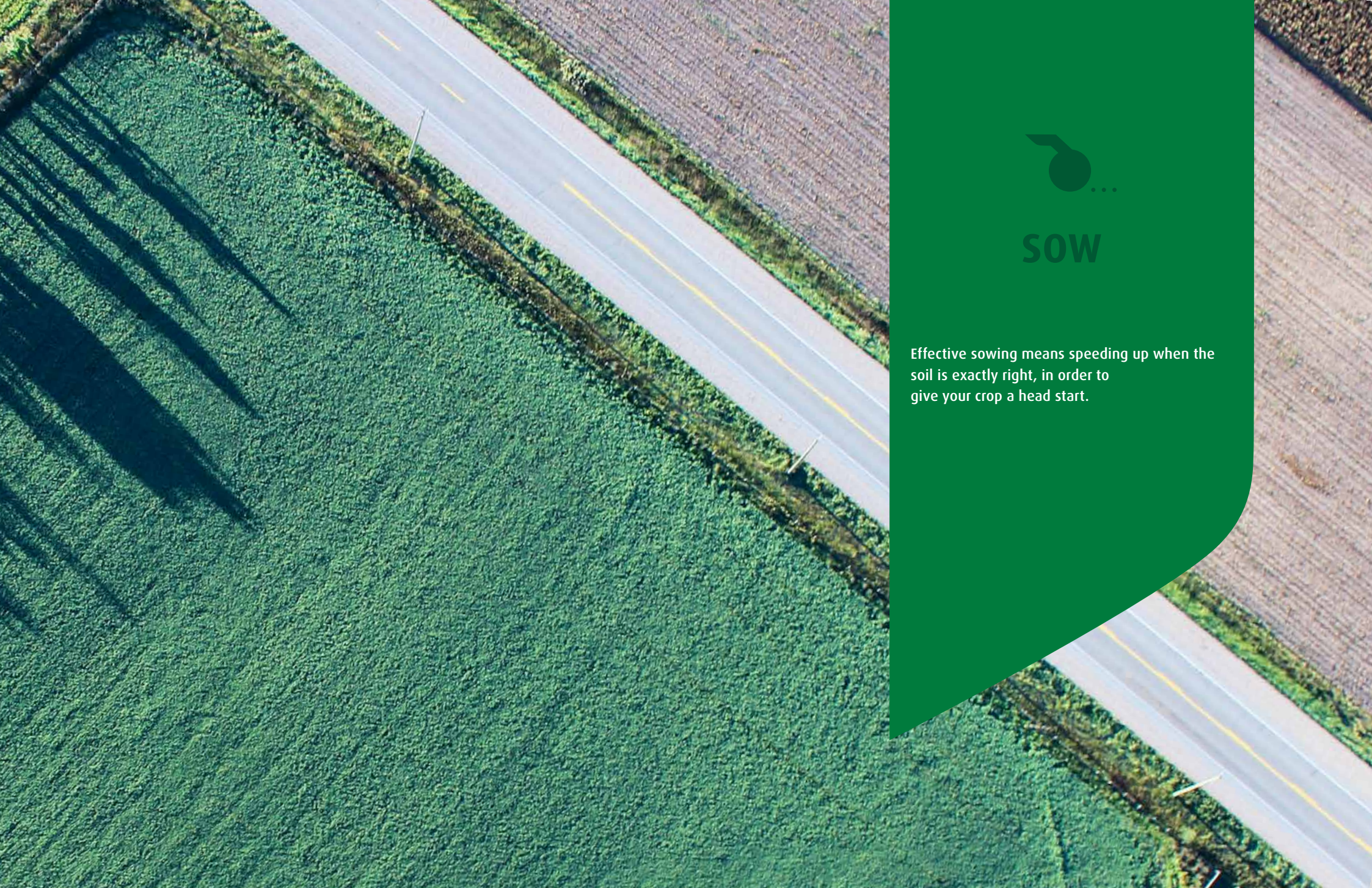


# WHEN FARMING MEANS BUSINESS

Realising the full potential of farming is about growing and developing your business, not only your crop or livestock, but also your profit. Improve productivity and profitability by focusing on the positives and minimising disadvantageous aspects, through strong, dedicated management.

Success springs from determination and clear targets, from laying down the appropriate strategy and allocating correct investments for the future. Quality results require the right ideas and equipment. When there is work to be done, you need the optimal setup and smart solutions that support you towards an easier, more profitable way of working. You need solutions that make tough and demanding conditions less complicated.





## SOW

Effective sowing means speeding up when the soil is exactly right, in order to give your crop a head start.

## OVERVIEW

### DURABILITY, FLEXIBILITY & PERFORMANCE YOU CAN DEPEND ON

The 3-meter 3P1006NT is a 2-point mounted drill designed for no-till systems and for seeding into cover crops and working in heavy residue. It features lift-assist wheels for safe operation and transport and utilizes Great Plains' 06 Series Openers for seed placement. Coulters, pre-loaded to 204kg, ensure effective penetration. A total of three boxes in a variety of flexible configurations allows three

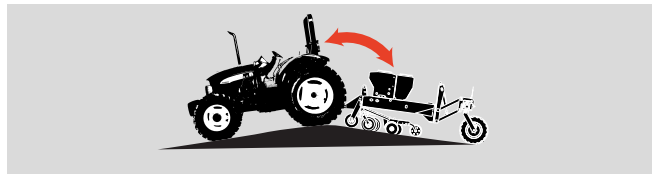
different seeds to be planted at separate rates and different depths at the same time. The main seed box is always positioned in the front while optional small seeds box is mounted at the rear of the drill. The optional second box can be an additional seed box, fertilizer box, or native grass box.

1

#### Lift assist

Smaller tractors can be used to operate the drill without compromising performance. Two standard lift assist wheels in the rear of the 3P1006NT provide greater lift capacity and assist the tractor's 3-point. Straddle axle caster wheels provide maneuverability and strength.

2



#### 2-point with lift assist

Allows for excellent ground gauging in rough, rolling terrain while ensuring safe operation and transport.

3



#### 4-speed gearboxes

Provide increased accuracy and flexibility of the metering system by giving the operator more choices for drive speed.

4



#### Grease bank

Installed on no-till machines so all coulters can be serviced from a centralised location.

CAPABLE  
3 BOX 3 SEED 3 RATE  
3 3 3

- ✓ No till
- ✓ Seeding into cover crop
- ✓ Working in high residue



## 3P1006NT

### OPTIONAL SEED AND FERTILISER BOXES



#### 3P1006NT

The main seed box is a fluted feed design. The seeding rate is set with the four-speed transmission and the adjustable gate opening. The optional native grass box uses our proven “picker wheel” to meter the seed. Rates are adjusted by varying the speed of the drive. Lastly, the optional small seeds attachment is a smaller version of our fluted feed system, and seeding rates are set by changing the opening of the fluted feed. The ground-drive system automatically disengages when lifted, simplifying the unit and enhancing its reliability.

Separate seed tubes are used to place all seeds and fertiliser. This allows three different seeds to be planted at separate rates and different depths at the same time. Depth control is handled by the 18-position T-handle press wheel adjustment.

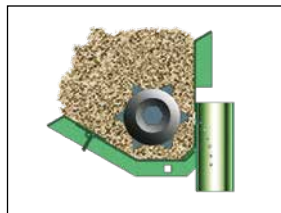


### Small seeds box

This smaller version of the main box fluted feed cup provides precise metering of small seeds like clover and alfalfa.

### Native grass box

The Series II Native Grass Attachment features a very aggressive agitator and picker wheel to keep fluffy seeds moving through the meter. Large cups and hoses keep seed from bridging.



### Fertiliser box

Features stainless steel components for long life. Six-Point Star Meter Wheels accurately meter just the amount of fertiliser you desire.

### Second main seed box

This option gives you another wide fluted feed cup and box to deliver a second type of seed to the opener.

## 06 SERIES OPENER

### CONSISTENT, PRECISE SEED PLACEMENT

Great Plains' openers are computer-designed, CNC machined, laser cut, and robotically welded to ensure exact tolerances and excellent reliability. Materials and components are selected for their strength and durability. For example, nut bars and depth wheel arms are in forged steel. Areas subject to stress, such as pivot points, are

reinforced with protective, hard-wearing bushings. Secondary bushings are made manufactured in a material Nylatron®, a material with high mechanical strength and excellent wear and fatigue resistance.

*IN ALL CONDITIONS*

1

The unique planter-style seed tube carries seed all the way to the bottom of the slot formed by the double disc opener. This design virtually eliminates seed bounce, ensuring that every seed is placed precisely and consistently into an ideal growing environment, at the same depth in the bottom of the seed trench.

2

The close-coupled press wheel serves two purposes. Firstly, it provides depth control and secondly, it firms the soil around the seed slot. This facilitates perfect soil to seed contact ensuring consistent seed germination and subsequently, even emergence — vitally important if pre-emergence spraying is necessary.

3

The position of the spring connecting directly to the forged nut bar provides between 80 and 110kg of constant down pressure, applied where it matters most, directly over the centre of the disc. This means that the opener arm remains parallel to the soil at all times, ensuring that the double disc opener is presented to the soil at the optimum angle, reducing smearing and soil movement. Down pressure exerted over the coulters is between 180 and 250kg.

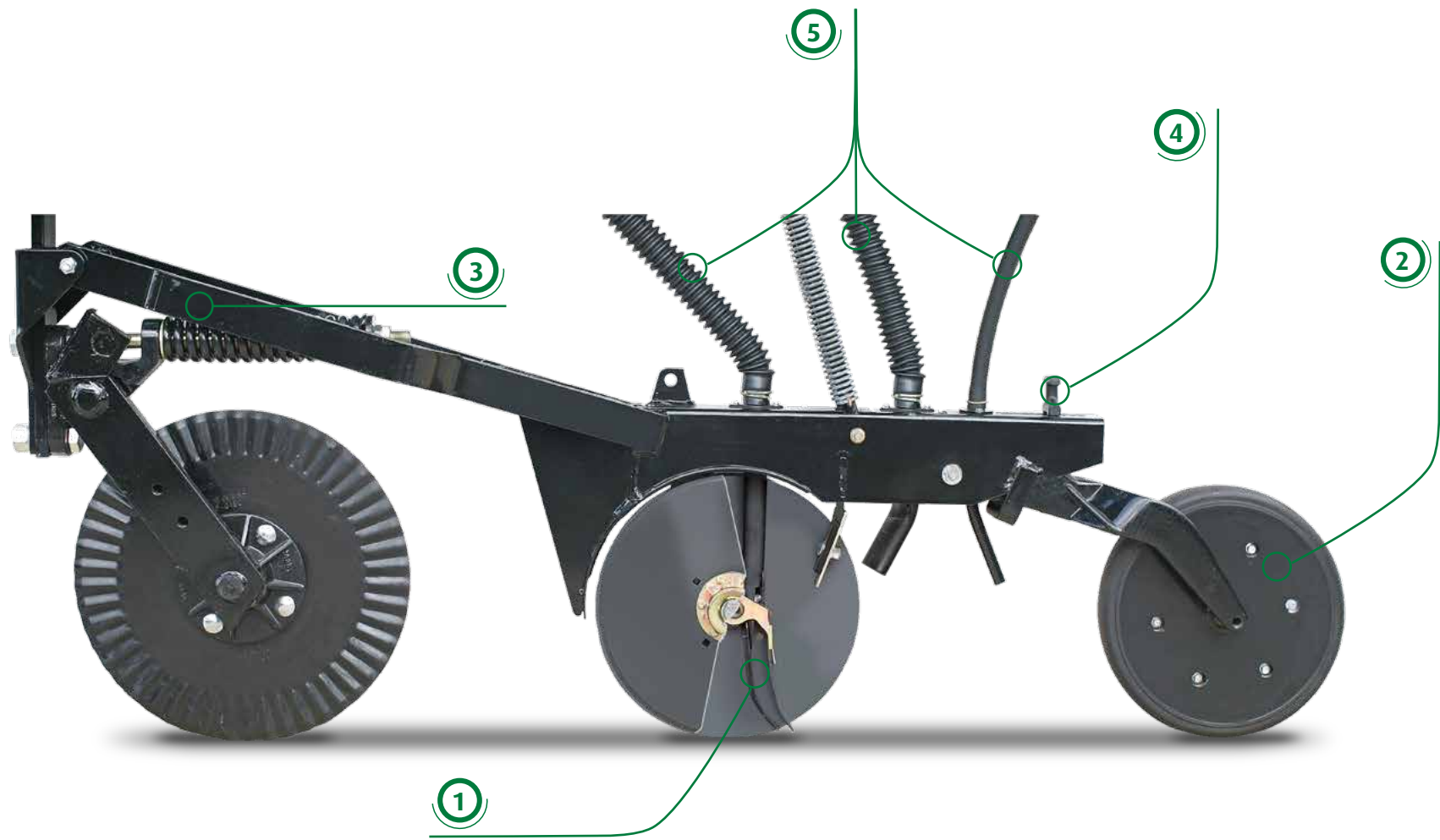
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Individual opener depth control from 6mm to 102mm is available. A simple T-handle makes adjustments quick and easy, which allows each coulters to be set to suit soil conditions. Up to 18 settings are available to guarantee superb seed depth control. Opener offers flexible configurations and separate seed tubes for seed, fertiliser, native grass, and small seeds.

5

Flexible configurations and separate seed tubes for seed, fertiliser, native grass, and small seeds.





## KEY DRILL COMPONENTS COULTERS



### **Turbo Coulter**

Exclusive to Great Plains vertical tillage and seeding products, the 432mm-diameter blade exits the soil horizontally, discharging the cultivated soil behind, leaving a mini-seedbed for the opener to drill seed into. These coulters are ideal for use on reduced tillage and no-till systems where minimal disturbance and seeding into cover crops or heavy residue is required.



### **Fluted Coulter**

This 432mm-diameter coulters, with its narrower design and smaller flutes, penetrates harder soils easier. It is the preferred blade for pasture renovation.

The 3P1006NT offers maximum performance from beginning to end of the seeding process. The system features an integrally mounted 432mm no-till coulters and row unit combination with the opener moving independently of the coulters. The trailing double disc opener features 330mm x 4mm blades, 205 triple-lip sealed bearings, and has a 6.5mm leading opener blade. An optional seed firmer and a variety of closing wheels complete seed placement.

## SEED FIRMER AND CLOSING WHEELS

### A CHOICE OF SEED PLACEMENT FINISHING OPTIONS

Great Plains offers a range of different closing wheel designs to suit different needs and soil conditions. Each of the options below ensures the seed trench is closed efficiently, giving each seed the right environment in which to germinate.



#### **Keeton® Seed Firmer\***

The optional seed firmer runs in the bottom of the seed trench, ensuring that the seed is firmed into the bottom of the slot. This not only results in consistently even seed depth, it maximises seed-to-soil contact, enabling the seed to absorb moisture and nutrients more readily.



#### **25mm X 305mm Double V**

This design closes the seed trench with an aggressive "pinching" action. It provides excellent depth control in moist soil conditions.



#### **32mm X 330mm Wedge**

Combining the "best of both worlds," this wheel closes seed trenches with an aggressive tapered edge while its large "footprint" allows it to stay on top of loose soil.



#### **51mm X 330mm Single**

This design presses soil directly over the seed, aggressively firming the soil surrounding the seed at the precise depth selected.



#### **76mm X 330mm Centre Rib**

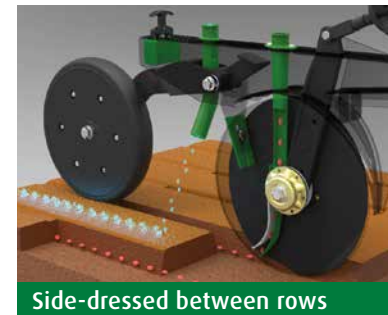
This design firmly presses the soil directly over the seed with the centre rib of the wheel creating the soil. This crease allows the crust to crack open for even seed emergence.

\*Optional

## FERTILISER PLACEMENT FLEXIBILITY

### TIMELY EMERGENCE AND REDUCED COSTS

The Great Plains fertiliser application system places the nutrients at the time of seeding and closer to the seed, either in line with the seed utilising the innovative Great Plains double shoot system, or as a side dressing. As well as speeding up emergence, the consistently accurate placement of fertiliser helps to reduce input costs.



*Consistently accurate placement of fertiliser.*

On all models, the fertiliser is placed through a fertiliser tube that can be positioned to be either forward or rear facing. Fertiliser can also be placed to the side, allowing side dressing of the seed. The delivery tube can be rotated to suit the requirements of the crop and the amount of fertiliser being used.



## Unique zonal cultivation and seeding technology

Ultimately, the performance of any drill is measured by the accuracy with which it places the seed and the consistency of emergence that is achieved as a result. It's a key area and it's one in which Great Plains' design and engineering teams excel.

Ongoing product development over many years has led to a number of important yield-improving advances that have become standard features in many Great Plains drills and are making a real difference for growers around the world. One such innovation is a unique zonal cultivation and seeding system, at the heart of which are Great Plains patented Turbo Coulter discs. This technology ensures that every seed sown is placed at the optimum depth in an ideal environment to facilitate consistently even germination and it is an integral part of the specification of our widely acclaimed and highly successful drill ranges.



The drills work on pre-cultivated land, no-till systems, and cover crops.



The Turbo Coulter precisely cultivates zonally, creating the ideal environment for the Double Disc Opener to place seed.



The ground is worked vertically with straight blades and only in a 10-50mm strip of soil.



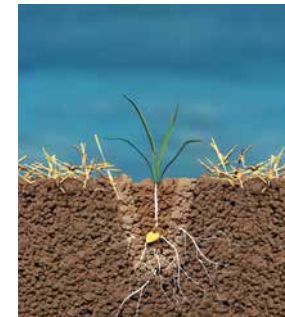
Precise placement of the seed by the Double Disc Opener is assured due to the fluted design of the Turbo Coulter, which clears crop residue away from the seeding zone.



The Press Wheel firms the soil around the seed, optimising seed-to-soil contact, creating the ideal situation for germination, leading to consistent emergence.



The cultivated area is darker and warms faster than the uncultivated area when seeding.



Rooting into coultured soil, this proven system creates the ideal conditions for healthy growth and higher yields.



This picture, taken prior to trench closure with press wheel, shows how seed is placed with minimal soil disturbance.

## TECHNICAL DATA

Model	3,05 m mounted
Recommended Use	No-Till
Row Spacing	19 cm
Working Width	2,86 m
Transport Width	3 m
Transport Height	Varies by Tractor
H.P. Requirements	100+
Weight*	2186 kg
Main Box	705 L
Small Seeds Box	85 L
Native Grass	352 L
Fertilizer	261 L
2nd Main Box	352 L

\*Weights based on 19 cm row spacing with main

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GREAT PLAINS 3P1006NT 01/07.2018

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