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# Kimseed Shearer 4 or 6 Row Direct Drill



With the **KIMSEED Shearer 4 or 6 Row Direct Drill**, numerous configurations are available for the operator to direct drill, carry out **conventional seeding**, **mini till**, or **trash farming**. The tine and underframe are designed to promote **excellent trash flow** and **enhance** the machine's **operation** in conservation farming. The drills are robust and heavily constructed in all areas and are built to last.

## Features:

- **Proven design for maximum trash flow**  
Large underframe clearance
- **Adaptable for split seed / fertiliser distribution**  
Double cups optional
- **Renowned '620' tine assemblies**  
Greater than 113 kg (250 lb) breakouts
- **Fluted rollers**  
Suitable for a wide variety of seed types
- **Large wheel equipment**  
For excellent flotation
- **Big capacity grain and fertiliser boxes**  
Less stops between refills
- **Full level lift system**  
Excellent depth control
- **Easy to calibrate wide range gearbox**  
No changing of sprockets or chains



Developing innovative solutions and practical methods for  
your land productivity, rehabilitation or revegetation.





# Kimseed Shearer 4 or 6 Row Direct Drill

**KIMSEED Shearer Direct Drills...**  
**Flexible Design and Increased Versatility**

## **Versatile Sowing Mechanism**

### **Mechanism**

The fluted distributors in the grain compartment suit a wide range of sowing applications, from small pasture seeds to large legumes such as Peas and Lupins. Optional broad bean distributors can also be fitted. Where high rates of one material are required (ie. Urea for growing rice) both compartments can be utilised. If wider sowing tine spacings are required (ie. 230mm), the excess distributors are easily blanked off using the shut off covers. Adjustable rubber gates minimize seed damage and fertiliser build-up.



## **Large Box Capacity**

All sizes have large seed and fertiliser compartments for less stops between refills. The box on the 6 row models is even larger, with a 27 row holding up to 660kgs of wheat and 1100kgs of fertilizer.

## **Massive Trash Clearance**

On the 21, 27 and 33 row models, six ranks of tines give wide 1080mm (42 1/2") spacing along ranks whilst still maintaining an overall spacing of 180mm (7"). Four ranks of tines on the 20, 24 and 28 row models provide 720mm (28 3/8").



## **Wide Range Gearbox**

The 4 and 6 row drills feature a 31 speed, fully enclosed, oil bath gearbox to give simple calibration and wide range of sowing rates for both seed and fertilizer.

## **Large Sight Glass**

An extra large sight glass provides the operator with a quick visual reference of the seed level from the tractor seat.

## **Platform with Safety Rail**

Both 4 and 6 row models feature a wide heavy duty platform and safety rail.

## **Easy Maintenance**

Maintenance time is reduced, with the easily accessible remote greasing facility which is fitted to the grain and fertilizer shaft bearings.

## **Hectare meter**

The cab mounted electronic hectare meter provides convenient visual readout of area sown per paddock and speed of travel.

## **Double Sowing**

Double cups are an option for operators wishing to split the delivery of grain and fertiliser when deep banding or placing different material in alternate rows.





# Kimseed Shearer 4 or 6 Row Direct Drill



## Multiple Tine Spacing

The standard tine spacing is 180mm (7") however wider spacings are available.

## Coulter Assemblies

Spring adjustable swivelling coulter assemblies are available for fitting to the front rows.

## High Flotation Tyres

All drills are equipped with large tyres for good flotation. For example the 33 row model is standard with 23.1 x 30 tyres.

## Lid Gas Struts

Gas struts are standard equipment on either side of the box to assist the operator when opening and closing the lid.

## Renowned '620' Tine

The '620' Tine assembly is a clamp-on, smooth one-piece design, incorporating a straight shank to provide efficient trash clearance.

The adjustable double spring loading provides a breakout force greater than 113 kgs (250 lbs) For lighter soil conditions or stoney ground the spring pressure can either be backed off or the inner spring removed to provide an easier jump action. The assembly features replaceable hardened pivot pins and bushes. The tine foot will accept a wide range of ground engaging tools, from super seeder points, to 200mm (8") sweeps.

The **KIMSEED** Shearer T boot, specially developed for sowing a range of pasture seeds, can also be fitted.

## Excellent Depth Control

All models have a level lift system, with three series connected hydraulic cylinders.

One cylinder is connected to the hitch and controls the fore and aft level lift function.

Cylinders on each wheel, which operate in conjunction with the hitch cylinder, control the depth of sowing.



## TECHNICAL SPECIFICATIONS – 4 row direct drill - 20 sowing rows

Number of Ranks of tines	4
Sowing Row Spacing	180mm (7")
Sowing Width	3.6m (11'10")
Transport Width	4.8m (15'7")
Engine Power Required	41-52kw (55-70hp)
Hopper Capacity Total	1352 L
Front Grain	486 kg (1074 lb)
Rear, Superphosphate	810 kg (1790 lb)
Tine Type	'620' spring release, edge-on-tines, tine carrier assemblies are clamped to the frame. Breakout in excess of 113 kgs.
Seed & Fertiliser Distributors	Nylon fluted distributors in front compartment (with adjustable restrictor) and nylon peg tooth distributors in the rear compartment – both with adjustable rubber gates. Options: Fluted distributors in both compartments; broad bean distributors
Sowing Rates kg/ha	180mm (7") Row Spacing
- Wheat	7 - 264

Sowing Rates kg/ha	180mm (7") Row Spacing
- Canola	6 – 30
Standard Fertiliser Rate kg/ha	180mm (7") Row Spacing
- Superphosphate	52 – 453
- Urea	20 – 176
Gearbox	31 Speed fully enclosed, oil bath gearbox with 62 seed settings & 31 fertiliser settings
Depth Control	Self-phasing wheel cylinders 90mm x 305mm (3 1/2"x12") & 83mm x 305mm (3 1/4" x 12") with a third incorporated on the hitch, 258mm x 258mm (5" x 5")
Wheel Equipment	14.9 x 24 6 Ply
Accessories	Grass seed box, coulter assemblies, Spring tooth harrows, tine depth extensions (55mm), double seed cups, Baker T boots, Super seeder points