

# JOHN SHEARER 4 & 6 ROW DIRECT DRILLS



SPECIFICATIONS - 4 & 6 ROW DIRECT DRILLS						
SIZE (Number of sowing rows)	20	24	28	21	27	33
NUMBER OF RANKS OF TYNES	4	4	4	6	6	6
SOWING ROW SPACING	180mm (7'') all models (other options available)					
SOWING WIDTH m (ft in)	3.6 (11'10'')	4.3 (14'2'')	5.1 (16'7'')	3.8 (12'5'')	4.9 (16'0'')	6.0 (19'7'')
TRANSPORT WIDTH m (ft in)	4.8 (15'7'')	5.8 (18'9'')	7.0 (22'10'')	5.1 (16'9'')	6.2 (20'4'')	7.54 (24'6'')
ENGINE POWER REQUIRED kw (hp)	41-52 (55-70hp)	52-56 (70-75hp)	60-68 (85-95hp)	60-70 (80-95hp)	70-85 (95-115hp)	75-95 (100-125hp)
HOPPER CAPACITY TOTAL (litres)	1352	1623	1903	1420	1835	3250
FRONT GRAIN kg (lb)	486 (1074)	587 (1297)	684 (1511)	510 (1123)	660 (1452)	810 (1782)
REAR, SUPERPHOSPHATE kg (lb)	810 (1790)	978 (2161)	1141 (2521)	850 (1870)	1100 (2420)	1350 (2970)
TYNE TYPE	'620' spring release, edge-on-tynes, tyne carrier assemblies are clamped to the frame. Breakout in excess of 113 kgs (250lbs)					
SEED & FERTILIZER DISTRIBUTORS	Nylon fluted distributors in front compartment (with adjustable restrictor) and nylon peg tooth distributors in the rear compartment - both with adjustable rubber distributor gates. Options: Fluted distributors in both compartments; broad bean distributors					
SOWING RATES - kg/ha	180mm (7'') Row Spacing			270mm (10 1/2'') Row Spacing		
- Wheat	7 - 264			5 - 185		
- Canola	6 - 30			4 - 23		
STANDARD FERTILIZER RATES - kg/ha	180mm (7'') Row Spacing			270mm (10 1/2'') Row Spacing		
- Superphosphate	52 - 453			36 - 317		
- Urea	20 - 176			14 - 123		
GEARBOX	31 Speed fully-enclosed, oil bath gearbox with 62 seed settings and 31 fertilizer settings					
DEPTH CONTROL - 4 row models - 6 row models	Self Phasing wheel cylinders 90mm x 305mm (3 1/2" x 12") & 83mm x 305mm (3 1/4"x12"), with a third incorporated on the hitch 258mm x 258mm (5" x5") Hydraulic self phasing wheel lift incorporating 102mm x 305mm (4" x 12") & 95mm x 305mm (3 3/4" x 12") cylinders on the wheel arms. Third is incorporated on the hitch, 108mm 203mm (4 1/4" x 8") to provide level lift.					
WHEEL EQUIPMENT	14.9x24 6 ply	16.9x28 6 ply	18.4x30 8 ply	16.9x28 6 ply	18.4x30 8 ply	23.1x30 8 ply
ACCESSORIES	Grass seed box, coulter assemblies, Spring tooth harrows, Tyne depth extensions (55mm), Double seed cups, Baker T boots, Super seeder points.					

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Due to our policy of continuing research, these specifications are subject to change without prior notice.



# JOHN SHEARER 4 & 6 ROW DIRECT DRILLS

All purpose drills easily adaptable to trash farming, minimum til, conventional seeding as well as winter and summer sowing practices. Excellent trash handling ability and depth control.



## 4 & 6 row Direct Drill features include:

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

VERSATILE SHEARER DRILLS • FINEST IN THE FIELD



# JOHN SHEARER DIRECT DRILLS...FLEXIBLE DESIGN AND INCREASED VERSATILITY

As grain growers adopt alternative farming practices it is important they retain a flexible position with their machinery. John Shearer have met this need with their versatile range of 4 and 6 row direct drills.

With the direct drill, numerous configurations are available for the operator to direct drill, adopt summer cropping sowing practices, carry out conventional seeding or some-where in between with min-til or trash farming.

The addition of cultivating tynes enables a quick and easy conversion from min-til to trash farming or conventional seeding.

When double cups are fitted the delivery of grain and fertilizer can be split for deep

banding or placing different material in alternate rows. Clamp-on coulter assemblies, fitted to the front rows provide another option.

The tyne and underframe are designed to promote excellent trash flow and enhance the machine's operation in conservation farming.

In the Shearer tradition the direct drills are robust and heavily constructed in the areas that count... and built to last. The result is less down time, for a more efficient and cost effective operation.

A truly versatile machine, John Shearer direct drills provide farmers with a multitude of options for many different conditions and farming practices.

## VERSATILE SOWING 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 tyne spacings are required (ie. 230mm), the excess distributors are easily blanked off using the shut off covers. Adjustable rubber gates minimize seed damage and fertilizer build-up.



## LARGE BOX CAPACITY

All sizes have large seed and fertilizer compartments for less stops between refills. The box on the 6 row models are 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 tynes give wide 1080mm (42 1/2") spacing along ranks whilst still maintaining an overall spacing of 180mm (7"). Four ranks of tynes 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.

## HECTAREMETER

The cab mounted electronic hectaremeter 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 fertilizer when deep banding or placing different material in alternate rows.



## RENOWNED '620' TYNE

The '620' tyne 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 113kgs (250lbs).

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 tyne foot will accept a wide range of ground engaging tools, from super seeder points as illustrated, to 200mm (8") sweeps.

The 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.

## MULTIPLE TYNE SPACING

The standard tyne 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.