



**BUY AUSTRALIAN
OWNED & MADE**

JOHN SHEARER 2 BIN – 4 & 6 ROW DIRECT DRILLS

Robust, versatile seeding machines for every crop and livestock pasture.



Grow a Better Crop

ADAPTABLE TO A BROAD RANGE OF FARMING PRACTICES FOR TOTAL SEEDING FLEXIBILITY.

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 our versatile range of 2 bin, 4 and 6 row direct drills.

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.

Tynes and under-frame are designed for superior trash flow and to enhance the machine's operation in conservation farming.

- ✓ **ULTIMATE VERSATILITY**
620/630 tyne assemblies or Double Disc Openers.
- ✓ **HIGH CAPACITY BINS**
fewer stops, faster sowing.
- ✓ **EASY SOWING RATE ADJUSTMENT**
with the 31 step, wide-range gearbox.
- ✓ **SIMPLE MAINTENANCE**
via remote greasing points.
- ✓ **ELECTRONIC HECTAREMETER**
with area sown & speed of travel.
- ✓ **FLUTED ROLLERS**
Suitable for a wide variety of seed types.

FEATURES & OPTIONS

SIMPLE CALIBRATION

All models feature electronic scales for easy sowing rate calibration.

ELECTRIC DRIVE OPTION

An electric drive option is available to facilitate alteration of sowing rates from the tractor seat.

EXCELLENT DEPTH CONTROL

Large, high-flotation tyres provide accurate depth control over varying soil conditions, helping to promote uniform planting depth. 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.

LARGE HOPPER CAPACITY

All sizes have large seed and fertilizer compartments for fewer stops between refills. For example, a 27 row drill can hold up to 660kgs of wheat and 1100kgs of fertilizer.

EXTRA LARGE SIGHT GLASS

An extra large sight glass provides the operator with a quick visual reference of material level in the front bin..

END-ON TOW OPTION

Don't be limited by narrow gates and roadways. Reduce transport width with the end-on towing option.

LID GAS STRUTS

Gas struts are fitted as standard on each end of the hopper lid for operator convenience and safety.

EASY MAINTENANCE

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

DOUBLE SOWING OPTION

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.

PLATFORM WITH SAFETY RAIL

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

GEARBOX

All 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 fertiliser.





TYNE DRILL MODELS

Robust and reliable with our renowned '620' or heavy duty '630' tynes. The tyne assembly is a smooth, one piece, clamp-on design incorporating a straight shank to provide efficient trash clearance. The adjustable double-spring loading mechanism provides a breakout force greater than 113kgs (250lbs) or 160kgs (350lbs) for the 620 or 630 models, respectively.

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 and a tyne foot that will accept a wide range of ground engaging tools.



DOUBLE DISC OPENER MODELS

Double disc openers offer more uniform seeding depth, a reduction in draft forces and reduced soil disturbance with excellent trash handling ability. With this opener type, faster sowing speeds can be maintained and in some cases disc openers are more suitable than tynes when sowing into rocky conditions.

Sowing with a double disc opener, leaves a smoother soil profile and will assist in reducing water run-off.



SPECIFICATIONS

OPTIONS & ACCESSORIES

- › Grass seed box
- › Coulter Assemblies for tyne drills
- › Spring Tooth Harrows
- › Double sowing cups/boots
- › Broad Bean Distributors
- › Fluted distributors in both bins
- › Electric Drive in lieu of Gearbox drive
- › Extension Frames to increase sowing width at 230mm spacing.
- › Super Seeder Points
- › Baker T Boots
- › Electronic bin level sensors
- › End-On Tow Option

RANKS OF TYNES	4	4	4	6	6	6
Size (# of Sowing Rows)	20	24	28	21	27	33
Sowing Width	3.6m (11'10")	4.3m (14'2")	5.1m (16'7")	3.8m (12'5")	4.9m (16'0")	6.0m (19'7")
Transport Width	5.1m (16'9")	5.62m (18'5")	6.47m (21'3")	5.1m (16'9")	6.2m (20'4")	7.54m (24'6")
Engine Power Required	41-52kw (55-70hp)	52-56kw (70-75hp)	60-68kw (85-95hp)	60-70kw (80-95hp)	70-85kw (95-115hp)	75-95kw (100-125hp)
Hopper Capacity Total	1352L	1623L	1903L	1420L	1835L	3250L
Front Bin Capacity (Grain)	486kg (1074lb)	587kg (1297lb)	684kg (1511lb)	510kg (1123lb)	660kg (1452lb)	810kg (1782lb)
Rear Bin Capacity (Super)	810kg (1790lb)	978kg (2161lb)	1141kg (2521lb)	850kg (1870lb)	1100kg (2420lb)	1350kg (2970lb)
Wheel Equipment	16.9x28 6 ply	16.9x28 6 ply	18.4x30 8 ply	16.9x28 6 ply	18.4x30 8 ply	23.1x30 8 ply

Sowing Rates	180mm (7") Row Spacing	270mm (10 1/2") Row Spacing
- Wheat	7-264kg/ha	5-185kg/ha
- Canola	3-30kg/ha	2-23kg/ha
Standard Fertilizer Rates	180mm (7") Row Spacing	270mm (10 1/2") Row Spacing
- Superphosphate	52-453kg/ha	36-317kg/ha
- Urea	20-176kg/ha	14-123kg/ha

Depth Control	Hydraulic self phasing wheel lift incorporating 102mm x 305mm (4" x 12") & 95mm x 305mm (3 3/4" x 12") wheel arm cylinders. 108mm 203mm (4 1/4" x 8") cylinder incorporated on the hitch to provide level lift.
Sowing Row Spacing	180mm (7") all models, 270mm (10 1/2") on 6 row model with Double Disc Openers, (other options available).
Opener Options	<ul style="list-style-type: none"> › 620 spring release, edge-on-tyres, tyne carrier assemblies are clamped to the frame. › 630 Heavy Duty spring release, edge-on-tyres, tyne carrier assemblies are clamped to the frame. › Double Disc Openers - spring-loaded parallelogram design with 254mm (10") of vertical ground following travel.
Breakout Pressure	620 Tyne Assemblies: adjustable up to 113 kgs (250lbs) 630 Tyne Assemblies: adjustable up to 160kg (350lbs) Double Disc Openers: adjustable up to 182kgs (400lbs)
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. Optional: Fluted distributors in both compartments; broad bean distributors.
Gearbox	<ul style="list-style-type: none"> › 31 Speed fully-enclosed, oil bath gearbox with 62 seed settings and 31 fertilizer settings. › Optional electric drive.



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