



DUNCAN

Built to work.

Increase your yield and returns.

Choose a Duncan
Tine Drill for superior
seed placement.



DUNCANAG.COM

The world's best pasture and crops demand the world's best technology.

From our origins designing and building swamp ploughs for breaking in land, to supporting efficient pasture and crop management practices of modern day farming, Duncan machinery has always taken the lead.

Our world-best drilling technology is helping farmers produce some of the world's highest yielding pasture for all stock grazing applications - delivering improved milk output, greater returns from sheep and beef, and improved crop yields.

We understand farming conditions, so all Duncan products can be relied upon to deliver reduced downtime, lower maintenance costs and longer machine life, whatever the demands placed on them.

Choose Duncan to increase your yield and returns.



Direct drilling. Better for your soil, better for your bottom line.

Soil conservation benefits:

- reduces soil erosion caused by wind and water
- reduces soil compaction
- reduces soil moisture loss
- reduces irrigation frequency
- enables earlier grazing of new pastures due to the ground being relatively intact
- stones are not brought to the surface.

Economic benefits:

- reduces fuel use by 50-75%
- reduces labour by up to 60%
- reduces time in tractor seat by up to 50%
- equipment breakages in stony conditions are rare compared with traditional tillage methods
- capital cost is similar to tillage, but operating costs are much less.

Why choose a coil tine drill:

- cheaper initial outlay and lower ongoing maintenance costs
- handles damper conditions better than a disc drill
- incredibly strong and durable
- can be used in conjunction with an opening disc to increase its trash handling ability
- in most set-ups it will sow the fertiliser slightly deeper than the seed
- all Duncan coil tine drills are fitted with the Baker Boot to offer excellent seed bed preparation
- electric drive is available on most Duncan tine drill models.

Which Duncan Tine Drill is right for you?

Looking for performance on a budget?	Renovator Eco Seeder	04
Want simplicity and reliability?	Renovator Classic	05
After an entry level seeder for a variety of crops?	Renovator AS16	06
Require better seed flow in uneven terrain?	Renovator AS19	07
Need larger capacity to sow for longer?	Renovator MK4	08
Sowing on hills or undulating ground?	Renovator AS3000,3500,4000	10
Large scale contractor?	Renovator AS5300,6100	12
Compare all tine drill features.	Comparison chart	14
Need a following roller, harrows, crane or air hopper?	Accessories	15



Eco Seeder

The Eco Seeder has been designed for today's farmer at a price that won't break the budget. Able to sow a variety of seeds from clover, rape and swedes right up to oats, wheat, corn and peas.



Seed size:
Small to large

Operation size:
Up to 100Ha

Features

- Entry level drill - 3 point linkage or trailed option
- 25mm coil tine and Duncan inverted "T" boot
- Peg tooth roller distribution system
- Disc openers optional
- Stainless steel agitator shafts in all 18 run models

Dimensions & Capacities	Single box 3PL	Single box 3PL	Single box 3PL	Single box trailing	Dual box 3PL	Dual box trailing
Number of runs	10	14	18	18	18	18
Sowing width (mm)	1485	2079	2673	2673	2673	2673
Overall width (mm)	2104	2698	2995	2995	2995	2995
Overall length (mm)	1685	1685	1685	2856	1685	2856
Height - GWU ¹ (mm)	1623	1623	1623	1623	1623	1623
Height - GWD ² (mm)	2000	2000	2000	2000	2000	2000
Weight - incl discs (kg)	610	731	1078	1130	1204	1256
Row spacing (mm)	148.5	148.5	148.5	148.5	148.5	148.5
Box capacity (L per box)	252	295	338	338	326ea.	326ea.

¹Ground wheels up. ²Ground wheels down.



Renovator Classic

Built specifically for the farmer, the Renovator Classic has earned its name. Years of experience in the most testing climate, terrain and soil conditions are combined with precision design and engineering.

Seed size:
Small to large

Operation size:
100Ha - 300Ha

Features

- Single or dual box
- 25mm coil tine and Duncan 'T' boot with Tungsten tile on leading edge
- Weigh kit with scales
- Safety chains
- Stainless steel agitator shafts
- Peg tooth roller seeder unit
- Disc openers optional

Dimensions & Capacities

Number of runs	19
Sowing width (mm)	2800
Overall width (mm)	3026
Overall length (mm)	3512
Height - ground wheels up (mm)	1700
Height - ground wheels down (mm)	2035
Weight including disc openers (kg)	1610
Row spacing (mm)	147.5
Box capacity (L per box)	348

Common features of Eco Seeder and Classic



Stainless steel agitator shafts



Tine/boot/point



Metering wheels



Mechanical drive gearbox



Ground drive wheel

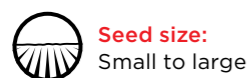


Depth adjustment on the ram

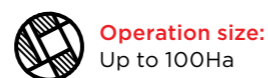


Renovator AS16

The AS16 is an air hopper version of the successful Eco Seeder. Designed as an entry level drill for sowing a variety of seeds from clover, rape and swedes through to oats, wheat and peas.



Seed size:
Small to large



Operation size:
Up to 100Ha

Features

- Proven "T" boot and 25mm coil tine for accurate seeding
- Weigh kit
- Footboard and handrail
- Electric driven air bin with simple calibration
- Exchangeable metering cartridges
- 3PL or trailing configuration

Dimensions & Capacities

Number of runs	16
Sowing width (mm)	2376
Overall width (mm)	2995
Overall length (mm)	2856
Height - ground wheels up (mm)	2000
Height - ground wheels down (mm)	2300
Weight including disc openers (kg)	940
Row spacing (mm)	148.5
Hopper capacity (L)	300/500



Easily changed metering cartridge



Opening disc & tine/boot/point



Easy, safe access for loading

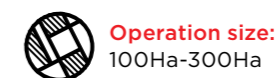


Renovator AS19

The AS19 has been introduced as an air hopper version of the popular Renovator Classic. This air option gives both a larger capacity hopper and more consistent seed flow over undulating ground.



Seed size:
Small to large



Operation size:
100Ha-300Ha

Features

- Proven "T" boot and 25mm coil tine for accurate seeding
- Weigh kit
- Footboard and handrail
- Drawbar safety chains
- Mechanical drive off ground wheel
- Simple and accurate air system with Accord metering
- Electric drive off ground following radar
- Single or dual hopper

Dimensions & Capacities

Number of runs	19
Sowing width (mm)	2802
Overall width (mm)	3026
Overall length (mm)	3512
Height - ground wheels up (mm)	2320
Height - ground wheels down (mm)	2665
Weight including disc openers (kg)	2000
Row spacing (mm)	147.5
Hopper capacity (L per side)	700



Turbo Tilth opening discs



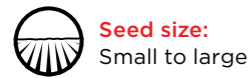
Calibration settings



Ground driven jockey wheel

Renovator MK4

The Renovator MK4 features four toolbars to allow for closer row spacing and excellent trash flow. The innovative design makes for a simple setup and calibration, while the large capacity seed and fertiliser boxes enable you to sow for longer.



Seed size:
Small to large



Operation size:
300Ha plus

Features

- Large capacity boxes with lids opening to 110°
- 25mm coil tine and Duncan 'T' boot with Tungsten tile on leading edge
- Weather skirts to cover over the seed and fertiliser metering outlets
- Large loading platform with safety rails
- Weigh kit with scales
- Electronic hectare meter
- Safety chains
- Stainless steel agitator shafts
- Peg roller seeder unit
- Electric drive off ground following radar is optional

Dimensions & Capacities	21 Run 3m	24 Run 3m	24 Run 3.5m	28 Run 3.5m
Sowing width (mm)	3100	3000	3540	3500
Overall width (mm)	3070	3070	3570	3570
Overall length (mm)	3825	3825	3825	3825
Height - ground wheels up (mm)	2145	2145	2145	2145
Height - ground wheels down (mm)	2430	2430	2430	2430
Weight incl. disc openers (kg)	2030	2130	2360	2490
Row spacing (mm)	147.5	125	147.5	125
Box capacity (L per side)	550	550	650	650
Small box capacity (L)	70	70	90	90



Optional Turbo Tilt opening disc



Easy to adjust, variable gearbox



Box lids open to 110°






Renovator AS3000/3500/4000

The Renovator AS3000, AS3500 and AS4000 are essentially MK4's with air delivery. The large 700 litre hoppers are easy to fill whilst the ladder and platform makes for easy access. The air delivery system is ideal for sowing on hills and undulating ground as well as into flat cultivated paddocks. The seed metering system is highly accurate and simple to calibrate.

 **Seed size:**
Small to large

 **Operation size:**
300Ha plus

Features

- Large capacity split hopper for both seed and fertiliser
- Large platform and safety rails that can be installed on either side of the machine, enabling easy access and safer loading of the hoppers
- Superior trash flow
- Seed and fertiliser is delivered by air with Accord metering for improved placement
- Butterfly valve for controlling different air rates between bins
- Ground driven jockey wheel
- Nihard inverted 'T' point with Tungsten leading edge
- 25mm coil tines

Dimensions & Capacities

	AS3000 21 Run	AS3000 24 Run	AS3500 24 Run	AS3500 28 Run	AS4000 27 Run	AS4000 32 Run
Sowing width (mm)	3100	3000	3540	3500	3996	4000
Overall width (mm)	3070	3070	3570	3570	4070	4070
Overall length (mm)	3825	3825	3825	3825	3825	3825
Height - ground wheels up (mm)	2300	2300	2300	2300	2300	2300
Height - ground wheels down (mm)	2645	2645	2645	2645	2645	2645
Weight - incl disc openers - unladen (kg)	2060	2190	2390	2520	2500	2620
Row spacing (mm)	147.5	125	147.5	125	148	125
Hopper capacity (L per side)	700	700	700	700	700	700



Split hopper with concealed distributor heads



Calibration settings



High/low range output settings



Turbo Tilth disc, tine and boot



Split airflow, butterfly valve



Hydraulic fan

Renovator AS5300/6100

The Renovator AS5300 and AS6100 are true direct drills that can under sow, over sow and sow into worked ground. Perfect for large scale farmers and contractors. These machines are easy to set up and operate, and the folding frame ensures it is wide at work and narrow to transport.



Seed size:
Small to large



Operation size:
300Ha plus

Features

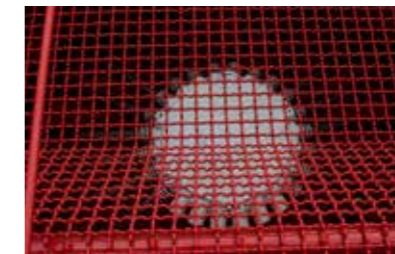
- Folding version of the AS3000/3500 Renovator
- Large, easy access loading platforms & safety rails
- Nihard inverted "T" point with Tungsten leading edge on 25mm coil tine
- Bin level sensors in hoppers
- Large 1000 litre hoppers with internal distributor heads
- RDS electric drive system with ground speed radar
- Hydraulically controlled downward pressure on the wings
- Easy depth adjustment on the four wheel leg rams
- Accord type air system with hydraulic fan
- Long drawbar with swivel tow eye
- Disc openers optional
- Wide flotation transport wheels
- Automatic wing locks when in transport

Dimensions & Capacities

	AS5300 42 Run	AS5300 36 Run	AS5300 30 Run	AS6100 48 Run	AS6100 42 Run	AS6100 36 Run
Sowing width (mm)	5250	5310	5250	6000	6195	6300
Transport width (mm)	3100	3100	3100	3100	3100	3100
Machine length (mm)	6460	6460	6460	6460	6460	6460
Working height (mm)	2780	2780	2780	2780	2780	2780
Transport height (mm)	3110	3110	3110	3550	3550	3550
Unladen weight (kg)	5300	5100	4900	5600	5400	5200
Row spacing (mm)	125	147.5	175	125	147.5	175
Hopper capacity (L per side)	1000	1000	1000	1000	1000	1000



Hydraulic accumulator for holding wing pressure



Mesh screen and distribution head



Depth adjustment on rams



Hydraulic fan with splitter



Ground following radar



Folded for transport

Tine Drill Feature Comparison Chart

MODELS	Eco Seeder	Classic	AS16	AS19	MK4 3m 3.5m	AS3000 AS3500 AS4000	AS5300 AS6100
FEATURES							
Gravity feed	●	●			●		
Air feed			●	●		●	●
Single box/hopper	○	○	●	○	○	○	○
Double or dual box/hopper	○	●		●	○	●	●
Mounted 3PTL	○		○				
Trailing	○	●	○	●	●	●	●
Fixed frame	●	●	●	●	●	●	
Folding frame							●
Coil tine with inverted "T" point	●	●	●	●	●	●	●
Powder coated finish	●	●	●	●	●	●	●
Stainless steel agitator shafts in box/hopper	●/○	●		●	●	●	●
3 Year structural warranty	●	●	●	●	●	●	●
Disc openers	○	○	○	○	○	○	○
3rd seed box/slug bait spinner		○		○	○	○	○
Tine harrows	○	○	○	○	○	○	○
Uniroller	○	○	○	○	○	○	○
Hectaremeter kit	○	○			●	●	
Mechanical drive	●	●		●	●	●	
Electric drive			●	○	○	○	●
ISOBUS/ISOCAN - only with electric drive				○	○	○	○
Stainless steel box/hopper	○	○		○	○	○	○
Heat exchanger kit				○		○	○
Hydraulic ram on drawbar		○		○	○	○	
Hydraulic ram on disc openers		○		○	○	○	
Weather skirts		○			●		
Seed level indicator in box/hopper	○	○		○	○	○	●
Camera in box/hopper	○	○		○	○	○	○
Wider tyres					○	○	
Bin extension kit				○		○	○
Rear tow bar	○	○	○	○	○	○	○
Jack stand on drawbar		○		○	●	●	●
Visibility & lighting kit		○	○	○	○	○	○

● Standard feature

○ Optional feature

Following Tools and Accessories

Achieve superior germination with our range of quality following tools and accessories for your Duncan seed drill.





Uni-Roller

The Uni-Roller is a following tool for use in direct drilled or worked ground applications. The Uni-Roller comes with new tyres for even compaction, can be water filled for added weight, and is able to be towed on the road.

Features	Dimensions	2.4m	3m	3.5m
• 2.4 metre, 3 metre or 3.5 metre sizes	Overall width (mm)	2554	3153	3612
• Made with new tyres	Working width (mm)	2390	2990	3448
• Jack stand is standard	Length (mm)	2300	2300	2300
• Ability to add water weight	Weight with water (kg)	680	800	915
• Fully powder coated finish	Weight - unladen (kg)	496	578	652



Contour Roller

The Contour Tyre Roller has two wheels per independent oscillating assembly for the best ground following ability in closing the slots and ensuring good seed-to-soil contact.

Features	Dimensions	3m	3.5m	5.3m	6m
• 2 wheels per oscillating assembly for better ground following ability	Overall width (mm)	3000	3660	5560	6280
• Fully powder coated finish	Transport width (mm)	3000	3660	3000	3000
• Ability to add water weight	Working height (mm)	1030	1030	1150	1150
• Made with new tyres	Transport height (mm)	-	-	3260	3615
• Hydraulic folding frame for wider than 3.5m models	Length (mm)			4050	4050
	Qty of tyres	14	20	30	34
	Turf tyre	23 x 10, 5-12/12" x 7" Rim			

Tine Harrows

The ideal and economical following tool after sowing direct or into worked ground. Offering adjustable tension and tine pitch, with transport and work positions. This covering tool will create good seed-to-soil contact.

Features	Dimensions	1.9m	2.4m	3m	3.5m
• Adjustable tine pitch	Overall width (mm)	1900	2400	3000	3500
• Raises up and down with drill	Working width (mm)	1900	2400	3000	3500
• Adjustable spring tension	Weight (kg)	70	80	90	110
• Adjustable transport/work position					
• Replaceable tines					



Crane

The German manufactured Duncan Atlas hydraulic cranes are compact, lightweight and effective lifting and loading tools for the safe loading of seed or fertiliser bags into any Duncan seed drill hopper.

Dimensions & Capacities	AKT23A28	AKT33A28
Max. lift capacity (kg)	1800	2350
Reach @ max. lift capacity	1.26	1.36
Stages	3	3
Max. reach (m)	4.2	4.36
Lift capacity @ max. reach (kg)	500	700

AKT23A28				
Weight (kg)	1800	950	650	500
Reach (mm)	1260	2260	3260	4200

AKT33A28				
Weight (kg)	2350	1350	950	700
Reach (mm)	1360	2360	3360	4360



APV Slug Bait Spinner

The ES 100 M3 Special is ideal for spreading grass seed or slug bait. The working width can be adjusted for the specific requirements from the drivers seat using the control panel. The output rate can be quickly and easily adjusted using the metering shutter.

Features

- 2 -24 metre working width
- Unit weighs 30kg empty
- 105 litre hopper
- 12v, 25 amp power supply
- 3 metre cable from battery to the control panel
- 6 metre cable from the APV unit to the control panel in the tractor cab
- Dispersion plate for improved accuracy
- Model 3.5 control panel
- Automatic starter for compacted material



APV Seeder

These APV hydraulic or electric air seeding units are suitable as third hoppers on most Duncan drill models. Ideally suited for broadcasting cover crops in the same pass as sowing the main crop.

Dimensions & Capacities	PS 300 M1 Electric fan	PS 300 M1 Hydraulic fan	PS 500 M2 Hydraulic fan
Hopper (L)	300	300	500
Sowing width (m)	1 - 4	1 - 12	1 - 12
Outlets	8	8	8
Weight (kg)	70	93	116
Dimensions (L x W x H cm)	110x77x100	110x77x100	125x80x125
V (through a euro (D) plug)	12V, 25A	12V, 25A	12V, 25A
Control panel	Yes	Yes	Yes
Spreader plates	Yes	Yes	Yes
Fine and coarse seed roller	Yes	Yes	Yes
25m Seed hose	Yes	Yes	Yes
Cable (1.5m) from euro plug to control panel	Yes	Yes	Yes
Cable (6m) from control panel to the APV Unit	Yes	Yes	Yes
8mm Base metal base plate	Standard	Standard	Standard





Duncan New Zealand

Head Office

07 873 4199

Parts & Service

03 688 2029 (Timaru)
admin@duncanag.co.nz

Sales

North Island 027 294 7019
South Island 021 880 114

Duncan Australia

Parts & Service

03 9369 6548
admin@duncanag.com.au

Sales

West Vic/SA/Nth NSW/Sth Qld
0427 552 327

Central Vic/Central NSW/Tas
0400 251 580

East Vic/Sth NSW/WA
0429 112 211

