

PRODUCT CATALOGUE



TOTAL PASTURE  
MANAGEMENT



# PRODUCT INDEX



*Tow and Farm is a subsidiary brand from the company Metalform, who have been in business over 50 years.*

Our experience in the agricultural industry is world renowned for being innovative with a huge focus on creating niche products for farmers and operators alike.

Our brand promise covers the entire product experience and was designed with the strictest criteria:

- professional and prompt communication
- ordering with confidence easy to use and maintain
- complete with online step-by-step instruction videos
- build quality is never compromised for price
- looks good but fulfils practicality in every operation

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TOW AND MOW

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# TOW AND MOW



**The Tow and Mow series offers a simple, robust, affordable solution to tackling all of your mowing, without the need for a tractor.**

The Tow and Mow series uses a 'direct drive' system, eliminating the need for expensive clutches, belts and other unnecessary parts that require costly maintenance. And it's speedy - just attach the Tow and Mow to your ATV, 4 wheeler, truck or other stable vehicle using the standard ball and hitch coupling system and tow it to the area that needs to be cut. Once there, you can mow at speeds of up to 15 km/hr (9 mph).

Our patented bearing system supports the direct drive engine, meaning there's no loss of power or slippage that can occur with typical belt and pulley systems. And the motors are protected from any shocks, resulting from sudden stops.

**“mow at speeds of up to 15 km/hr (9 mph).”**

Our direct drive blade system is a simple yet complete solution. The large pneumatic tyres on the Tow and Mow give it a light run over the ground, so plants and their root systems never get damaged. And the Tow and Mow's durable build is constructed of 4mm steel that is zinc coated and powder coated for a hard to scratch, easy to clean finish.

The Tow and Mow has been specifically designed for the following applications without the need for tractors or other heavy tow vehicles;

- Orchards
- Vineyards
- Hobby Farms
- Lifestyle Blocks
- Road frontages
- Parks and reserves

TOW AND MOW

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# TOW AND MOW

## Twin Series

>>The Twin Series features the wheels positioned on the side of the Tow and Mow, where the Hort Series has them positioned behind.

The Tow and Mow Twin series is more suitable for undulating, rough grounds and all-terrain topping. This is because the wheels are in line with the engines which reduce potential ground scalping when cutting low.

Top your paddocks at up to 15 km/hr (9 mph) with the Tow and Mow – this means you can cover up to 1 hectare (2.5 acres) in just 35 minutes with the 1270 model.

“cutting height from 30mm up to 180mm”

Easily adjust the cutting height from 30mm (1.25”) up to 180mm (7”) by just winding a handle at the rear of the machine. No locking pins or heavy adjustment required, just wind it up for travelling between jobs and then back into position for mowing.

The Twin Series features our patented direct drive system which means the cutting spindle is directly mounted onto the engine crankshaft. This means there is no belts or pulleys which typically are the Achilles heel of this type of mower.



6hp Direct drive Briggs and Stratton Readystart ® engine.



Easy height adjuster (winding handle) from 30mm - 180mm.



Simple ball hitch coupling suits most tow vehicles.



Service videos online, available via QR code links adhered to machine.



Pivoting flail blades, mounted on direct drive spindles means no loss of power.

### FEATURES:

- **2 Engines:** This has eliminated the need for belts and pulleys on a single engine setup. Very few parts result in a very simple solution. Also there is no loss of power like there is on a typical clutch, belt and pulley system. A 40mm diameter support bearing on the crankshaft takes all shock loading and side loading of the cutting spindle from any knocks and hits.
- **Offset Engines:** The engines are offset which means they have a cutting overlap of 25mm (1 inch) and not required to be timed.
- **Grass Height:** Even if the grass is knee height, the Tow and Mow is designed to handle this but you may need to travel slower. It depends on how dense your pasture is.
- **Build Quality:** Construction is 4mm thick, high grade steel which is zinc sprayed and then powdercoated

### OPTIONS:



• Remote Throttle



• Offset Drawbar (350mm)



• Jockey Wheel



TOW AND MOW

TOW AND COLLECT

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### SPECIFICATIONS:

Model	Cut Width	Engine		Height Adjustment	Size - D x W x H (in mm)		Weight		Jockey Wheel	Electric Key Start	Tow Hitch
		Model	Horsepower		Assembled	Crated	Uncrated	Crated			
Twin 1000	1000mm (40 inches)	2 x Briggs and Stratton - 850 Series	2 x 6hp = 12hp	30mm - 180mm (1.25" - 7")	2050 x 1410 x 600	1230 x 1530 x 750	140 kg (310 lbs)	185 kg (410 lbs)	Optional	N/A	1 7/8" or 50mm Coupling
Twin 1270	1270mm (50 inches)	2 x Briggs and Stratton - 850 Series	2 x 6hp = 12hp	30mm - 180mm (1.25" - 7")	2250 x 1740 x 600	1380 x 1830 x 750	165 kg (365 lbs)	215 kg (475 lbs)	Optional	N/A	1 7/8" or 50mm Coupling
Hort 1000	1000mm (40 inches)	2 x Briggs and Stratton - 850 Series	2 x 6hp = 12hp	20mm - 200mm (1" - 8")	2500 x 1040 x 600	1060 x 1570 x 750	155 kg (340 lbs)	200 kg (440 lbs)	Yes	N/A	1 7/8" or 50mm Coupling
Hort 1270	1270mm (50 inches)	2 x Briggs and Stratton - 850 Series	2 x 6hp = 12hp	20mm - 200mm (1" - 8")	2600 x 1310 x 600	1350 x 1680 x 750	180 kg (395 lbs)	235 kg (520 lbs)	Yes	N/A	1 7/8" or 50mm Coupling
Hort 1900	1900mm (75 inches)	3 x Briggs and Stratton - 850 Series	3 x 6hp = 18hp	20mm - 200mm (1" - 8")	2600 x 1940 x 600	1400 x 1980 x 750	235 kg (520 lbs)	300 kg (660 lbs)	Yes	N/A	1 7/8" or 50mm Coupling
Hort 1530	1530mm (60 inches)	2 x Briggs and Stratton Intek	2 x 12.5hp = 25hp	15mm - 200mm (0.5" - 8")	3200 x 1560 x 650	1600 x 1950 x 800	300 kg (660 lbs)	360 kg (800 lbs)	N/A	Yes	1 7/8" or 50mm Coupling



# TOW AND MOW

## Hort Series

>>The Hort Series features the wheels positioned behind the body of the Tow and Mow – where the Twin Series has them positioned beside.

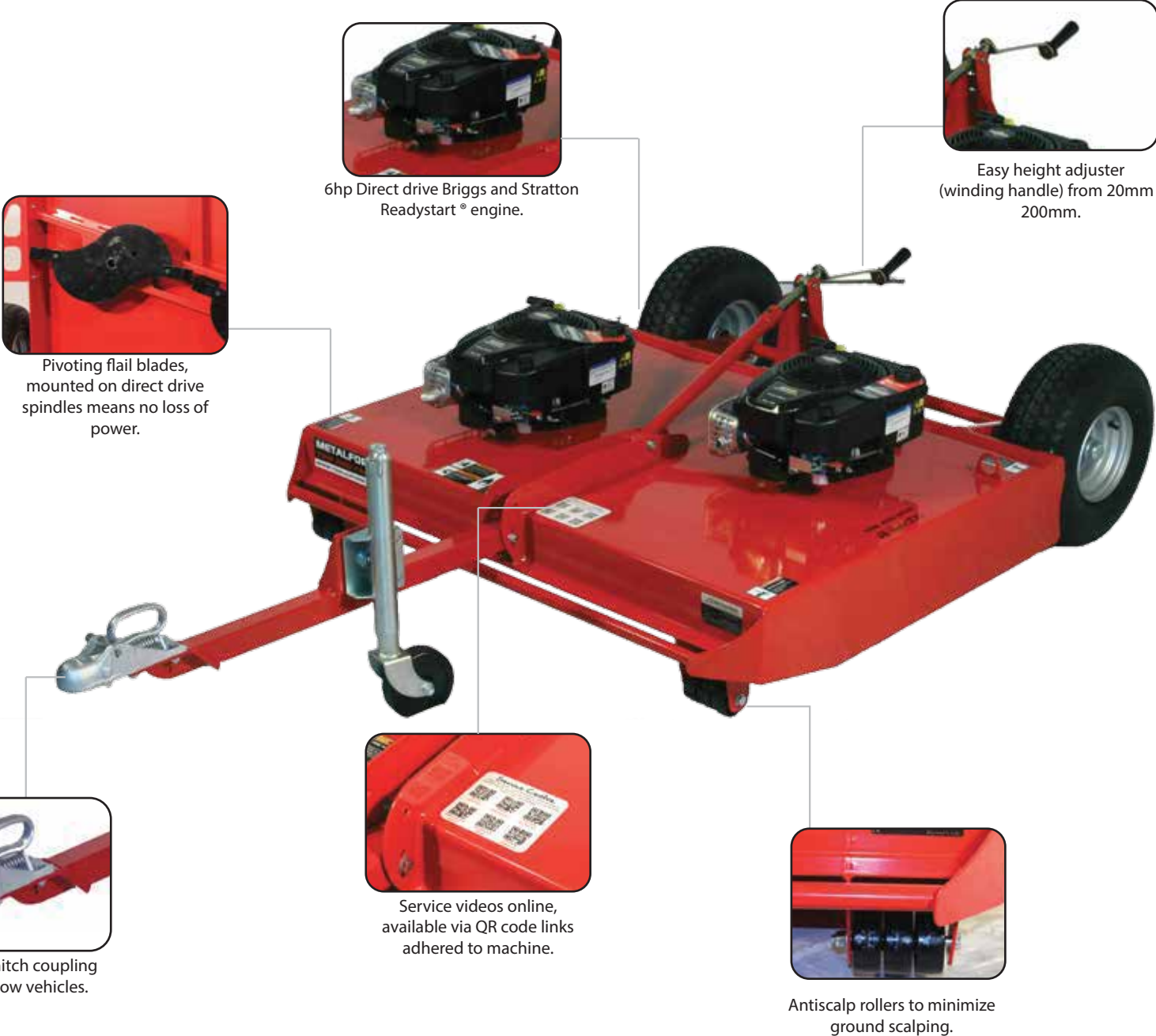
The Tow and Mow Hort series is more suitable for those wanting to cut close to fence lines, around trees and down rows as the width of the mower is the full width of the cut.

The Hort series feature a jockey wheel as standard which allow for effortless connecting to your ATV or tow vehicle. Top your paddocks at up to 15 km/hr (9 mph) with the Tow and Mow – this means you can cover up to 1 hectare (2.5 acres) in just 35 minutes with the 1270 model.

“cover up to 1 hectare in just 35 mins”

Easily adjust the cutting height from 20mm (1") up to 200mm (8") by just winding a handle at the rear of the machine. No locking pins or heavy adjustment required, just wind it up for travelling between jobs and then back into position for mowing.

The Hort Series features our patented direct drive system which means the cutting spindle is directly mounted onto the engine crankshaft. This means there is no belts or pulleys which typically are the Achilles heel of this type of mower.



### FEATURES:

- **2 Engines:** This has eliminated the need for belts and pulleys on a single engine setup. Very few parts result in a very simple solution. Also there is no loss of power like there is on a typical clutch, belt and pulley system. A 40mm diameter support bearing on the crankshaft takes all shock loading and side loading of the cutting spindle from any knocks and hits.
- **Offset Engines:** The engines are offset which means they have a cutting overlap of 25mm (1 inch) and not required to be timed.
- **Grass Height:** Even if the grass is knee height, the Tow and Mow is designed to handle this but you may need to travel slower. It depends on how dense your pasture is.
- **Build Quality:** Construction is 4mm thick, high grade steel which is zinc sprayed and then powdercoated

### OPTIONS:



•Remote Throttle



• Offset Drawbar (350mm)



### SPECIFICATIONS:

Model	Cut Width	Engine		Height Adjustment	Size - D x W x H (in mm)		Weight		Jockey Wheel	Electric Key Start	Tow Hitch
		Model	Horsepower		Assembled	Crated	Uncrated	Crated			
Twin 1000	1000mm (40 inches)	2 x Briggs and Stratton - 850 Series	2 x 6hp = 12hp	30mm - 180mm (1.25" - 7")	2050 x 1410 x 600	1230 x 1530 x 750	140 kg (310 lbs)	185 kg (410 lbs)	Optional	N/A	1 7/8" or 50mm Coupling
Twin 1270	1270mm (50 inches)	2 x Briggs and Stratton - 850 Series	2 x 6hp = 12hp	30mm - 180mm (1.25" - 7")	2250 x 1740 x 600	1380 x 1830 x 750	165 kg (365 lbs)	215 kg (475 lbs)	Optional	N/A	1 7/8" or 50mm Coupling
Hort 1000	1000mm (40 inches)	2 x Briggs and Stratton - 850 Series	2 x 6hp = 12hp	20mm - 200mm (1" - 8")	2500 x 1040 x 600	1060 x 1570 x 750	155 kg (340 lbs)	200 kg (440 lbs)	Yes	N/A	1 7/8" or 50mm Coupling
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Hort 1900	1900mm (75 inches)	3 x Briggs and Stratton - 850 Series	3 x 6hp = 18hp	20mm - 200mm (1" - 8")	2600 x 1940 x 600	1400 x 1980 x 750	235 kg (520 lbs)	300 kg (660 lbs)	Yes	N/A	1 7/8" or 50mm Coupling
Hort 1530	1530mm (60 inches)	2 x Briggs and Stratton Intek	2 x 11.5hp = 23hp	15mm - 200mm (0.5" - 8")	3200 x 1560 x 650	1600 x 1950 x 800	300 kg (660 lbs)	360 kg (800 lbs)	N/A	Yes	1 7/8" or 50mm Coupling



# TOW AND COLLECT



Tow and Collect Mini 700

**The Tow and Collect series offer you an efficient solution to collecting horse manure, alpaca manure, goose faeces, tree nuts and other debris and will give you unprecedented productivity, while saving you hours of backbreaking work.**

Our Tow and Collect machines are easy to tow, using a standard ball and hitch coupling system that is compatible with ATV's, 4 wheelers and most other trucks and stable vehicles. Simply attach it to your tow bar and you're ready to collect. The Tow and Collect will also remove thatch to improve the quality of your grass.

**“clean ½ an acre in just 12 minutes”**

Our quality collection system uses spring mounted tines to break up and lift manure and other debris, and counter-rotating nylon bristles that effortlessly sweep manure, nuts and other debris into the large rear mounted catcher.

Unlike vacuum collector systems, there's no need to start and stop, offering you continuous collection until the catcher is full. The Tow and Collect allows fast, efficient and chemical free control of your horse's worm and parasite burden - completely clean ½ acre in just 12 minutes!

The Tow and Collect has been specifically designed to pick up:

- Horse manure
- Alpaca manure
- Goose poop
- Dog poop
- Tree Nuts
- Cores from golf greens



# TOW AND COLLECT

## Mini 700

>>The Tow and Collect Mini 700 is an engine-free, ground driven manure sweeper, which means there is no motor, no refuelling and no hassles.

The brushes rotate when the machine is pulled along. The 700mm wide pickup and easy-to-empty 320 litre (85 gallon) catching hopper means you can fit approx. 1-2 wheelbarrow loads in before you need to empty. This little machine is suitable for anything up to 6 horses or alpacas.

“no motor, no refuel no hassles”

Hitch the Tow and Collect Mini 700 to your ATV, quad bike or small tractor and you are ready to tidy your pastures the easy way.

The large chunky tires gives the Mini 700 the traction to drive the brushes, and will be effective in pastures up to 4”-5” (125mm) long.

If you don't like fuelling another engine or having to deal with motors, the Mini 700 is the machine for you. It is our most 'green' machine which is also the simplest. Even without an engine, the Mini 700 is 5x faster than a typical vacuum machine. This is due to its constant collection system not requiring you to start and stop at each manure pile, just drive over it and the manure disappears – it's that simple.

Because of the constant sweeping motion of the brushes, it also removes the thatch and dead grass from your pasture - something a vacuum does not do. By removing this, it promotes live grass growth and allows the pasture to gain more of the needed nutrients and sunlight to survive.

Search “Tow and Collect Testimonial” on the web and you will see what real customers, from all around the world, have to say about this machine.



**FEATURES:**  
**Build Quality:** Construction is made from 3mm thick, high grade steel which is zinc sprayed and then powdercoated. The hopper is made from UV resistant plastic  
**Drive Mechanism:** ½" chain drive that drive counter-rotating brushes  
**Engine-free:** No engine means no refuelling and minimal maintenance required

**FAQ:**  
**Does it work in long grass?** The optimum length is less than 4 inches (100mm) as it uses rotating brushes like a broom. If you have longer, non-dense grass, then the Tow and Collect will still perform effectively.  
**Does it work in wet weather?** If the manure is very sloppy, then it may smear some during pickup. This is because it uses a rotating brush like a heavy duty yard broom.  
**What does it pick up?** Horse manure, alpaca manure, dog poop, geese poop, wet leaves, tree nuts and thatch.  
**Does it pick up rocks?** If they are smaller than 1" (25mm) diameter and loose on the ground surface, the Tow and Collect will scoop them up. If they are larger than 3" (75mm) and protruding above the ground surface, then it may damage the chassis.  
**What speed can I travel at?** Because it needs ground speed to rotate the brushes, you will need to travel somewhere between 5 km/hr (3 mph) and 12 km/hr (8 mph)



### SPECIFICATIONS:

		Engine				Size - D x W x H (in mm)		Weight				
Model	Collection Width	Model	Fuel	Brush Drive System	Collection Capacity	Assembled	Crated	Uncrated	Crated	Jockey Wheel	Electric Key Start	Tow Hitch
Mini 700	700mm (28 inches)	None	N/A	Chain Drive from Wheel	320 litres	2120 x 1340 x 1000	1450 x 1100 x 1100	140kg (310 lbs)	185 kg (410 lbs)	N/A	N/A	1 7/8" or 50mm Coupling
Pro 1500	1500mm (60 inches)	Kohler CH270 - 7hp	4 Stroke, 91 Octane	Chain Drive thru 2:1 Reduction Gearbox and Clutch	610 litres	2200 x 1980 x 900	1460 x 2030 x 970	245kg (540 lbs)	325kg (720lbs)	Optional	Yes	1 7/8" or 50mm Coupling



# TOW AND COLLECT

## 1500 Pro

>>>The Tow and Collect 1500 Pro is a speedy solution to cleaning large areas with ease.

The 1500mm wide pickup and easy-to-empty 610 litre (160 gallon) catching hopper means you can fit approx. 3-4 wheelbarrow loads in before you need to empty. Not only do you clean your pastures with the Tow and Collect, you minimise the potential parasite re-infestation – as removing the manure will reduce the faecal egg count

**“cover 1/2 acre in 10 minutes”**

The Pro 1500 has a key-start 7hp engine which drives the brushes for constant collection – whether you’re travelling at 2 km/hr or 15 km/hr.

This is helpful if you have varying pasture surfaces and grass length. Because of the serious width of the Pro 1500, you can completely cover ½ acre in just over 10 minutes.

Imagine towing a vacuum and having to stop and start each time you needed to pick up manure/debris, aim the hose at the manure/debris and wait for it to be sucked up before you could move on. The Tow and Collect provides constant rotation of nylon brushes that allow you to continually be on the move and no stop/starting required like a vacuum machine. This pasture cleaner saves you time and effort.

Because of the constant sweeping motion of the brushes, it also removes the thatch and dead grass from your pasture - something a vacuum does not do. By removing this, it promotes live grass growth and allows the pasture to gain more of the needed nutrients and sunlight to survive.

Search “Tow and Collect Testimonial” on the web and you will see what real customers, from all around the world, have to say about this machine.



Height Adjuster to suit ground conditions and grass length.



Service videos online, available via QR code links adhered to machine.



Spring mounted tines help break up manure and remove thatch.



Simple ball hitch coupling suits most tow vehicles.



Counter rotating nylon brushes flick manure into rear mounted hopper.

### FEATURES:

- **Build Quality:** Construction is made from 4mm thick, high grade steel which is zinc sprayed and then powdercoated. The hopper is made from UV resistant plastic
- **Drive Mechanism:** ½” chain drive that drive counter-rotating brushes from direction of pull
- **Gearbox:** Bolted on the engine is a 2:1 reduction gearbox with centrifugal clutch. The clutch protects the engine during starting and while idle.
- **Electric Key Start Engine:** A high quality Kohler engine with a 3yr worldwide warranty

### FAQ:

**Does it work in long grass?** The 1500 Pro is more effective in longer grass than the smaller Mini 700 model, due to the engine rotating the brushes but optimum length is less than 5 inches (125mm) long.

**Does it work in wet weather?** If the manure is very sloppy, then it may smear some during pickup. This is because it uses a rotating brush like a heavy duty yard broom.

**What does it pick up?** Horse manure, alpaca manure, dog poop, geese poop, heavy leaves, tree nuts and thatch.

**Does it pick up rocks?** If they are smaller than 1” (25mm) diameter and loose on the ground surface, the Tow and Collect will scoop them up. If they are larger than 3” (75mm) and protruding above the ground surface, then it may damage the chassis.

**What speed can I travel at?** You can travel at any comfortable speed that is suitable for your tow vehicle and ground conditions between 1 km/hr (1 mph) and 15 km/hr (10 mph)

### OPTIONS:



• Remote Throttle



• Jockey Wheel



### SPECIFICATIONS:

Model	Collection Width	Engine		Brush Drive System	Collection Capacity	Size - D x W x H (in mm)		Weight		Jockey Wheel	Electric Key Start	Tow Hitch
		Model	Fuel			Assembled	Crated	Uncrated	Crated			
Mini 700	700mm (28 inches)	None	N/A	Chain Drive from Wheel	320 litres	2120 x 1340 x 1000	1450 x 1100 x 1100	140kg (310 lbs)	185 kg (410 lbs)	N/A	N/A	1 7/8" or 50mm Coupling
Pro 1500	1500mm (60 inches)	Kohler CH270 - 7hp	4 Stroke, 91 Octane	Chain Drive thru 2:1 Reduction Gearbox and Clutch	610 litres	2200 x 1980 x 900	1460 x 2030 x 970	245kg (540 lbs)	325kg (720lbs)	Optional	Yes	1 7/8" or 50mm Coupling



# TOW AND FERT



Tow and Fert 4000

**The Tow and Fert product range enables farmers to easily and quickly mix and apply foliar and fine particle fertiliser.**

Numerous research papers show the significant benefits of applying soluble fertilisers as a foliar spray, and also of applying non-soluble fertilisers as a fine particle blend rather than in its usual coarse 'ag' grade. However the practicality of mixing and applying these fertilisers with traditional boom sprayers and solid fert spreaders has put the job in the 'too hard' category. The Tow and Fert range solves these issues and offers farmers an easy, economical and convenient way to apply these 'hard to deal with' fertilisers. This means that the financial and animal health benefits of fine particle and foliar fertilisers can be gained without complicating your farming practices. Too easy!

The Tow and Fert range has many features which set it apart from a traditional boom sprayer. The mixing tank features patented powerful agitation, with mix ratios of up to 1 part water, 3 parts fine particle fert possible. The booms also feature our patented recirculation system, this means the booms continuously recirculate regardless of if the nozzles are spraying or not. These and many other features have been incorporated into the design of the Tow and Fert range to make mixing and applying fertiliser fast and convenient.

## **“Payback of less than 12 months”**

Owning a Tow and Fert enables a 'small and often' approach which has benefits in fertiliser efficiency and pasture growth. This also enables a quick response to changing conditions without reliance on outside contractors.

The Tow and Fert can handle 4 basic forms of product:

- 1)** Any solid fertiliser that is soluble in water; like Urea, Sulphate of Ammonia and trace elements.
- 2)** Any solid insoluble fine-particle product (100 micron or less). Like lime, RPR, trace elements and Humates.
- 3)** Any liquid fertilisers. Like seaweed or fish emulsion.
- 4)** Biologically active fertiliser. Like compost teas etc.

Many of our customers report that the savings in fertiliser, increased production and lower spreading costs result in a payback period for their Tow and Fert of less than 12 months. Talk to us today to work out your farm's savings with our Payback Calculator.

TOW AND MOW

TOW AND COLLECT

TOW AND FERT

FLY AND FERT



# TOW AND FERT

## Multi 1200

>>The Multi 1200 is a 3-point-linkage machine designed for tractors with 110hp or greater.

With a 1200 litre capacity this machine can easily dissolve ½ tonne of urea in cold water, or hold 1.5 tonne of dry fine particle product in suspension.

The Multi 1200 features a single nozzle, with a spray width of up to 14 metres, mounted in the centre for simplicity and reduces the possibility of blockages. Using the optional on-board crane and being able to dump product directly out of a bulk bags, makes it very fast to load and operate. The agitation system features a patented housed impellor which ensures product can never settle out of suspension.

“cover 12ha in one load”

The Multi 1200 can self-fill the machine by sucking the liquid from the effluent pond instead of using fresh water.

Using just 1 pair of auxiliary tractor hydraulics, the Multi 1200 is simple and hassle-free. The agitation and pump for spraying is driven off the same drive mechanism, so they always run concurrently.

Fitted with a 100% Stainless Steel trash pump and a silicon carbide mechanical seal - specifically designed for this application, the Tow and Fert is built to last. All fittings are removable without tools and can be done in the field. Depending on application rate, the Multi 1200 has the capacity to cover approx. 12 hectares in one load.

This is a list of just some of the products that can but applied using the Tow and Fert

- |                       |                   |
|-----------------------|-------------------|
| - Granular Urea       | - Seaweed         |
| - RPR                 | - Fish Fertiliser |
| - DAP                 | - Boron           |
| - Sulphate of Ammonia | - Selenium        |
| - Lime                | - Cobalt          |
| - Humates             | - Copper          |
| - Magnesium Oxide     | - Weed spray      |
| - Zinc Oxide          | - Any liquids     |
| - Any trace element   |                   |



Weigh scales for accurate filling and spraying combine with mix optimization software (Optional).



Onboard lifting crane for loading 1T bulk bags (Optional).



Self fill from an effluent pond, or dam using onboard suction (Optional).

### FEATURES:

- Close to tractor for safest centre of gravity
- Construction of build is a galvanised chassis, UV resistant plastic tank and a combination of stainless steel and plastic in all areas that come in contact with fertiliser.
- Interchangeable nozzles for variable application rate
- Spray pressure is a constant 20psi which is safe for live microbial activity
- Stainless Steel 3”Trash Pump 1300 litres/min. Up to 4 metre lift.

### OPTIONS:



• 1T Hydraulic Lift Crane



• Weigh Scales



• Suction & Fire Fighting Kit



• 3mm or 6mm Basket Filter



• Nozzles 10L/min - 70L/min



• Inline Boom Filter Kit



### SPECIFICATIONS:

					Pump		Attachment		Powered By		Weight		Size: L x W x H (metres)
Model	Tank Volume	Application Rates	Area per Load	Spray Width	Model	Performance	Style	Vehicle	Pump	Agitation	Dry	Full	
Multi 1200	1200 litres (320 gallons)	70 - 800 litres/hectare	approx. 8-14hectares	8-14 metres	Metalform Stainless 3” Centrifugal Trash Pump	1300litres per minute at 0 metres lift. Max lift = 4 metres	3 Point Linkage	110hp tractor or greater	Hydraulics - 55litres/min	Hydraulics - 55litres/min	500kg	2,500kg	1.65 x 2.00 x 1.70
Multi 1000	1000 litres (255 gallons)	70 - 800 litres/hectare	approx. 6-12hectares	14-24metres			Trailed	Tractor or 4wd Ute	On board Petrol Engine	On board Petrol Engine	650kg	2,200kg	4.30 x 1.80 x 1.70
Multi 4000	4000 litres (1060 gallons)	70 - 800 litres/hectare	approx. 25-40hectare	14-24metres			Trailed	110hp Tractor or greater	Hydraulics - 55litres/min	PTO @ 1000 RPM	3,300kg	10,000kg	5.90 x 2.30 x 2.50



# TOW AND FERT

## Multi 1000

>>The Multi 1000 is the trailed model that is suitable to be towed by either a ute or a tractor.

This machine is completely stand-alone not requiring any hydraulics or other power source. With its own on-board petrol engine and a low centre of gravity, the Multi 1000 is a very versatile machine on all types of farms.

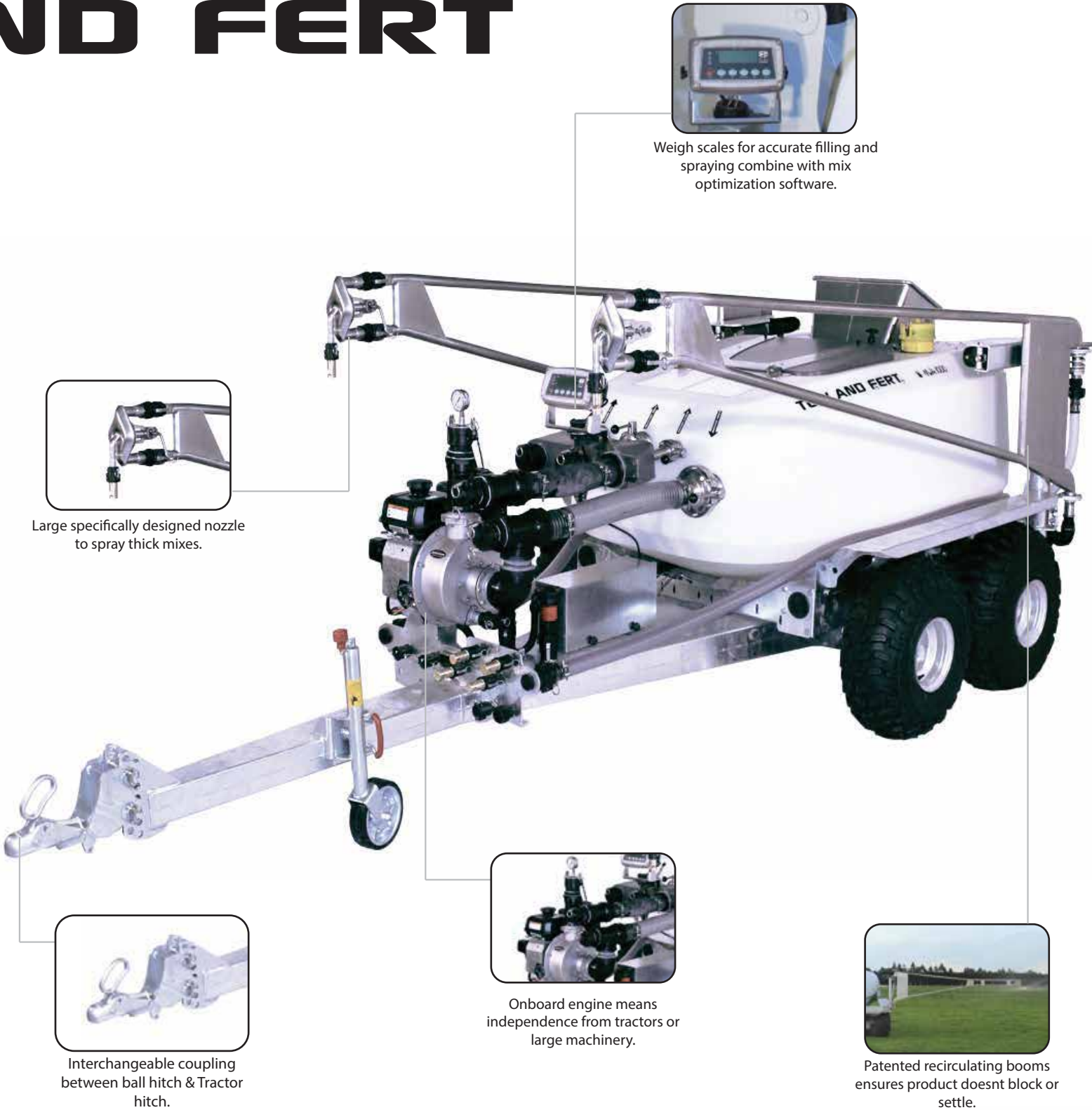
“cover 10 hectares in one load”

With a 1000 litre capacity this machine can easily dissolve urea in cold water, or hold 1 tonne of dry fine particle product in suspension.

The Multi 1000 features our patented recirculation boom design that delivers up to a 24 metre spread through just 2 large nozzles. This is so product can't settle out in any dead areas found on typical boom sprayers.

Fitted with a 100% Stainless Steel trash pump and a silicon carbide mechanical seal - specifically designed for this application, the Tow and Fert is built to last. All fittings are removable without a toolbox and can be done in the field. Depending on application rate, the Multi 1000 has the capacity to cover approx. 10 hectares in one load.

- This is a list of just some of the products that can but applied using the Tow and Fert
- Granular Urea
  - RPR
  - DAP
  - Sulphate of Ammonia
  - Lime
  - Humates
  - Magnesium Oxide
  - Zinc Oxide
  - Seaweed
  - Fish Fertiliser
  - Boron
  - Selenium
  - Cobalt
  - Copper
  - Weed spray
  - Any liquids
  - Any trace elements



Weigh scales for accurate filling and spraying combine with mix optimization software.

Large specifically designed nozzle to spray thick mixes.

Interchangeable coupling between ball hitch & Tractor hitch.

Onboard engine means independence from tractors or large machinery.

Patented recirculating booms ensures product doesn't block or settle.

### FEATURES:

- Patented pre-mixer ensures product is mixed with water prior to going into the tank agitation
- Construction of build is a galvanised chassis, UV resistant plastic tank and a combination of stainless steel and plastic in all areas that come in contact with fertiliser.
- Spray pressure is a constant 20psi which is safe for live microbial activity
- On-board fire-fighting hose
- Weigh Scales for accurate filling and operation
- Wireless remote control boom operation and spray start/stop
- Interchangeable nozzles for variable application rate
- Stainless Steel 3" Trash Pump 1300 litres/min. Up to 4 metre lift.

### OPTIONS:



• Lift Up Kit  
Raises 550mm  
Ctrs 1400mm - 2000mm



• Nozzles  
10L/min - 70L/min



• 1100mm Boom Extensions



• 3mm or 6mm Basket Filter



• Road Wheels



• 9m Spray Out Boom Kit



### SPECIFICATIONS:

					Pump		Attachment		Powered By		Weight		Size: L x W x H (metres)
Model	Tank Volume	Application Rates	Area per Load	Spray Width	Model	Performance	Style	Vehicle	Pump	Agitation	Dry	Full	
Multi 1200	1200 litres (320 gallons)	70 - 800 litres/hectare	approx. 8-14hectares	8-14 metres	Metalform Stainless 3" Centrifugal Trash Pump	1300litres per minute at 0 metres lift. Max lift = 4 metres	3 Point Linkage	110hp tractor or greater	Hydraulics - 55litres/min	Hydraulics - 55litres/min	500kg	2,500kg	1.65 x 2.00 x 1.70
Multi 1000	1000 litres (255 gallons)	70 - 800 litres/hectare	approx. 6-12hectares	14-24metres			Trailed	Tractor or 4wd Ute	On board Petrol Engine	On board Petrol Engine	650kg	2,200kg	4.30 x 1.80 x 1.70
Multi 4000	4000 litres (1060 gallons)	70 - 800 litres/hectare	approx. 25-40hectares	14-24metres			Trailed	110hp Tractor or greater	Hydraulics - 55litres/min	PTO @ 1000 RPM	3,300kg	10,000kg	5.90 x 2.30 x 2.50



# TOW AND FERT

## Multi 4000

>>The Multi 4000 is the largest of the range and features a 4000 litre tank

This unit is designed to be towed by a tractor of minimum 110hp.

It uses the PTO at 1000rpm for mixing & agitation and hydraulics to run the specifically designed 3" trash pump found on all other Tow and Fert models for spraying.

**"cover 1 hectare in just 3 mins"**

With the patented agitation technology in the tank, you can simply empty 1 tonne bags of fine particle fertiliser directly into water without any pre-mixing or messy work.

Combined with the optional crane, you can load 5 tonne of fertiliser product into the Tow and Fert in just 15 minutes.

With up to a 24 metre spread, the Multi 4000 can cover 1 hectare in just 3 minutes at 12 km/hr (8 mph). With a capacity of up to 40 hectares per load, this Tow and Fert makes light work of a large job.

This is a list of just some of the products that can but applied using the Tow and Fert

- Granular Urea
- RPR
- DAP
- Sulphate of Ammonia
- Lime
- Humates
- Magnesium Oxide
- Zinc Oxide
- Seaweed
- Fish Fertiliser
- Boron
- Selenium
- Cobalt
- Copper
- Weed spray
- Any liquids
- Any trace elements



### FEATURES:

- Patented pre-mixer ensures product is mixed with water prior to going into the tank agitation
- Construction of build is a galvanised chassis, UV resistant plastic tank and a combination of stainless steel and plastic in all areas that come in contact with fertiliser.
- Spray pressure is a constant 20psi which is safe for live microbial activity
- On-board fire-fighting hose
- Weigh Scales for accurate filling and operation
- Wireless remote control boom operation and spray start/stop
- Interchangeable nozzles for variable application rate
- Stainless Steel 3" Trash Pump 1300 litres/min. Up to 4 metre lift.

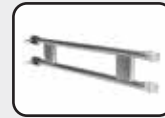
### OPTIONS:



- 1T Hydraulic Lift Crane



- Nozzles 10L/min - 70L/min



- 1100mm Boom Extensions



- 3mm or 6mm Basket Filter



### SPECIFICATIONS:

					Pump		Attachment		Powered By		Weight		Size: L x W x H (metres)
Model	Tank Volume	Application Rates	Area per Load	Spray Width	Model	Performance	Style	Vehicle	Pump	Agitation	Dry	Full	
Multi 1200	1200 litres (320 gallons)	70 - 800 litres/hectare	approx. 8-14hectares	8-14 metres	Metalform Stainless 3" Centrifugal Trash Pump	1300litres per minute at 0 metres lift. Max lift = 4 metres	3 Point Linkage	110hp tractor or greater	Hydraulics - 55litres/min	Hydraulics - 55litres/min	500kg	2,500kg	1.65 x 2.00 x 1.70
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Multi 4000	4000 litres (1060 gallons)	70 - 800 litres/hectare	approx. 25-40hectares	14-24metres			Trailed	110hp Tractor or greater	Hydraulics - 55litres/min	PTO @ 1000 RPM	3,300kg	10,000kg	5.90 x 2.30 x 2.50



# FLY AND FERT



Fly and Fert B1150

**The Fly and Fert application system revolutionises the cost of applying foliar and fine-particle fertilisers to hill country.**

Numerous research papers show the significant benefits of applying soluble fertilisers as a foliar spray, and also of applying non-soluble fertilisers as a fine particle blend rather than in its usual coarse 'ag' grade. With hill country farmers wanting to increase productivity to meet market demand, the Fly and Fert offers a win-win for farmers and helicopter operators alike.

Traditionally these foliar and fine-particle fertilisers have been difficult, costly and slow to apply, this has resulted in an application cost per hectare that has largely offset the benefits gained with foliar and fine-particle fertilisers. The Fly and Fert changes this equation, with a swath width between 25 and 35 metres and an application time for 1 tonne of only 20 seconds.

**“covers 1 hectare in only 12 seconds”**

When flown at 45 knots (83 km/hr) the Fly and Fert will cover 1 Hectare in only 12 seconds, and with a bucket re-fill time of around 10 seconds the Fly and Fert gets the job done fast.

From a helicopter maintenance point of view, the buckets are under-slung on 6 metre strops, so there is no fertiliser contamination of the helicopter occurring (unless you fly back through the application of course). This also means that no CAA approval is required for the system, giving flexibility for use on any helicopter fitted with a lifting hook.

We offer two bucket size variants, one with a 1100 litre hopper suitable for AS350's and a smaller bucket with a 530 litre hopper suitable for Jet Rangers, MD 500's and R44's.

TOW AND MOW

TOW AND COLLECT

TOW AND FERT

FLY AND FERT



# FLY AND FERT

## B530 & B1150

The Fly and Fert features our patented distribution head which can achieve a swath width of 25 – 35 metres (depending on product Specific Gravity). The patented distribution head can also spread from 50kg/ha up to 750kg/ha at 45 knots. The buckets are lightweight, strong and designed to survive the demanding agricultural helicopter environment.

**“spread from 50kg/ha up to 750kg/ha”** They feature a powerful twin cylinder 23Hp Briggs and Stratton Vanguard engine to ensure that high rates per hectare can be achieved without compromising swath width or flying speed.

The distribution head itself is made from 100% Stainless Steel, which is corrosion resistant. The all up weight of the bucket (dry) is very lightweight considering the powerful engine and including lifting strops, airlines and bridle.

Fly and Fert has the following uses:

- Applying fine particle fertiliser
  - Urea
  - Lime
  - DAP
  - Trace Elements
  - And many more...
- Gorse spraying
- Over-sowing seed
- Applying fire retardant

B530



B1150



- FEATURES:**
- **Application Rates:** By adjusting the application head, rates from 50kg/ha up to 750kg/ha can be achieved.
  - **Underslung Attachment:** Because the bucket is 6m under the helicopter, there is no fertiliser or chemical contamination occurring.
  - **Product Specific Gravity:** Can apply slurries at only 15% water, obviously reducing water cartage.



SPECIFICATIONS:

Model	Suits	Payload Capacity	Dry Bucket Weight	Application Rates	Swath Width	Distribution Time	Engine
B530	Jet Ranger / R44 / MD500	530 kg	102kg	From 50kg/ha up to 750kg/ha	25 - 35 metres	As low as 10 seconds	Briggs and Stratton Vanguard 23hp
B1150	AS350 / Bell 204 / Bell 205	1150 kg	142kg	From 50kg/ha up to 750kg/ha	25 - 35 metres	As low as 25 seconds	Briggs and Stratton Vanguard 23hp





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