



**SPREADERS
MAKE EVERY
MINUTE COUNT**

STRENGTH

INNOVATION

DURABILITY

ENGINEERED PERFORMANCE

Experience tells us that time is the scarcest commodity on your farm.

To give you more time, we focus our energy on understanding the mechanics of your daily farm routines to engineer solutions that are in sync with your operations.

It started with Wilfred Giltrap making bespoke machinery from his Otorohanga shed in 1959. Building on his high standards, the shed has grown and so has our team's understanding of what it takes to build serious farm machinery. Together, we're building on Wilfred's legacy, obsessing over the details to design and manufacture robust equipment that is stronger and gets work done better and faster.

Our design process starts on the land, listening to farmers and growers. The things we hear and the insights we gather are then combined with generations of engineering experience and an understanding of what technology has to offer.

Through this process ideas are transformed into schematics and raw materials are engineered to create finished machinery.

Before each machine makes it onto your farm, it's put through its paces on our unique test facilities — on real New Zealand Farms — to ensure each piece of kit lives up to the Giltrap reputation for strength, innovation and legendary durability.

It's all part of our promise, that as long as it's on your farm, a Giltrap machine will be in sync with your routine and make every minute count.



SPREAD

Working with farmers around the world, we've developed an integrated system of Fertiliser Spreaders, Slurry Spreaders and Pond Stirrers.

This range combines leading technology and robust engineering to create reliable, low maintenance machinery. Collectively, they will help you make the most of the nutrients and ensure they are delivered accurately, so you can sustain the long term productivity of your land.

Slurry Spreader

Our Slurry Spreaders are an efficient and environmentally friendly way of utilising effluent and boosting grass and crop growth. A low centre of gravity and big flotation tyres let you reach any part of the farm and reliably apply the nutrients where you need them, with a machine designed and built for your farming conditions.



Fertiliser Spreader

Our Fertiliser Spreaders feature electronic rate control and a wide belt so you can place any type of fertiliser precisely and effectively. To make light work of the maintenance and ensure our spreaders deliver value for their entire life on your farm, they come standard with a stainless steel bin and hydraulic drive.



Pond Stirrer

Our Pond Stirrers combine ingenuity and resilience. The propeller is removable and quadruple-sealed. So you don't have to get your hands dirty. It's built strong to keep solids circulating with minimum fuss.



Technology In Every Spread

Combine farming and technology for precision rate control and coverage mapping. Standard on the Fertiliser Spreaders or upgrade the Slurry Spreader, our colour graphic touch display will save you time and money on the farm.

FERTILISER SPREADER

If an accurate spread pattern with precision rate control is important to you, then Giltrap spreaders are what you are looking for. All Giltrap machines are fitted standard with hydraulic belt drive, electronically controlled from the tractor cab with consistent and accurate spread settings.

KEY FEATURES

- 3mm Grade 304 stainless steel bin provides years of corrosion free use
- Independent chassis constructed from grade 350 RHS steel provides a rigid mounting and towing base for the fert bin
- Low centre of gravity for safety around hills
- Hydraulically adjusted door with multiple spreading positions for different application rates and products
- 850mm wide x 8mm thick vulcanised endless rubber belt with 5mm high chevron cleats moves fertiliser, compost and poultry manure efficiently through the door
- The rear spinners are independently electronically speed controlled, and have a boundary spreading control function

OPTIONAL EXTRAS

- PVC rollover cover
- Row crop axle spacing and wheels
- Hydraulic brakes
- LED tail lights
- Reversible spinner rotation for spreading mulch and compost
- Wheel options
- Front belt cover
- Internal bin mesh 50mm
- Rear belt cover
- Hydraulic jack
- Electronic scales with automatic rate calibration
- Foldaway ladder
- Higher spinner clearance and spinner crash guards
- Side banding attachments
- Rear side delivery conveyors
- Remote axle greasing
- Gooseneck or sprung drawbar



A variety of single or double sided banding attachments for fertiliser or organic products makes band spreading easy.



The proportional hydraulic control valve delivers oil to the belt drive and is adjusted automatically by the computer to maintain a constant fertiliser application rate.



Monitor and log your spread rate, application, width and product density with precision using the touch screen electronic rate control.



Spinners are counter-rotating at speeds of up to 1000rpm giving spread widths out to 24m, with electronic speed control and monitoring, including a boundary spreading control function.



The door height is quick and easy to adjust with multiple spreading positions to cover the range of products and application rates.



The stainless bin is bolted, not welded to the independent chassis. This makes it easy to remove and service if required, and minimises any risk of stress cracking from welding stainless to mild steel.

MODEL	3T	4T	6T	8T	10T	12T	15T
Capacity (with Superphosphate)**	3.0 tonnes	4.6 tonnes	6.0 tonnes	8.0 tonnes	10.0 tonnes	12.0 tonnes	15.0 tonnes
Capacity (with Lime)**	3.9 tonnes	5.9 tonnes	7.8 tonnes	10.2 tonnes	13 tonnes	15.5 tonnes	19.4 tonnes
Capacity (with Urea)**	2.1 tonnes	3.2 tonnes	4.3 tonnes	5.6 tonnes	7.0 tonnes	8.5 tonnes	10.6 tonnes
Overall Length	5.3m	5.4m	5.4m	5.9m	6.8m	6.78m	6.78m
Overall Width	2.50m	2.38m	2.50m	2.50m	2.50m	2.77m	2.77m
Overall Height	1.50m	1.80m	1.98m	2.15m	2.21m	2.52m	2.83m
Bin Length	3.00m	3.10m	3.10m	3.60m	4.50m	4.48m	4.48m
Bin Volume	2.5m ³	3.8m ³	5.0m ³	6.6m ³	8.3m ³	10.0m ³	12.4m ³
Tare Weight	1050kg	1550kg	1750kg	2155kg	2450kg	2350kg	2550kg
Standard Axle	Single	Tandem	Tandem	Tandem	Tandem	Tandem - braked	Tandem - braked
Axle Size	60mm	60mm	70mm	80mm	80mm	90mm	100mm
Wheels	11.5/80 x 15.3	11.5/80 x 15.3	400/60-15.5	15.0/70 x 18	500/45-22.5	500/45-22.5	560/60R22.5
Recommended Oil Flow	40-60l/min	40-60l/min	40-60l/min	60l/min	60l/min	60L/min	60L/min

** Superphosphate at 1.2T/m², Lime at 1.55T/m², Urea at 0.85T/m²

ORCHARD SPREADER

Spreading in vineyards, orchards and other horticultural places can be difficult. With tight row spacing, it is important to select the right spreader for the job. With a single adjustable axle and various removable attachments, the Giltrap Orchard Spreader is designed with manoeuvrability and versatility in mind.

Built low and narrow, the bin volume is still plenty large enough at 2.5 cubic metres, and the wide rubber belt is perfect for handling composts, mulches, poultry manure and grape marc, as well as the full range of granulated fertilisers, lime and gypsum.

The axle is positioned for optimum headland turning performance and the single wheels means that there is no tyre scuffing in the corners. The standard specification has twin rear spinners with double-vane flights, and the operator can easily reverse the spinner direction of rotation to best suit the product which is being spread.

KEY FEATURES

- All the features of our standard spreaders
- Stainless steel fertiliser deflectors behind the spinners
- Swivel towing hitch
- Adjustable quick lift jack stand
- Bolt-on axle assembly for simple removal and servicing
- Belt drive and idler cage rollers are hot dipped galvanised
- Drive roller is crowned for reliable belt tracking
- Heavy pinch roller increases the wrap of the belt around the drive roller for positive belt grip
- Stainless steel adjusters for belt positioning and tracking
- 60mm diameter idler rollers support the belt at 120mm centres along the length
- No ground or wheel drive. Giltrap only uses a fully hydraulic drive system, measuring ground speed electronically for spreading rate control adjustment via the computer
- Twin spinners operating up to 1000rpm with adjustable speed
- Touch screen electronic control
- Fully enclosed spinner shaft drivelines



Single Belt Delivery One Side

OPTIONAL ATTACHMENTS

Single Side Banding



Double Side Banding



Double Belt, delivery both sides

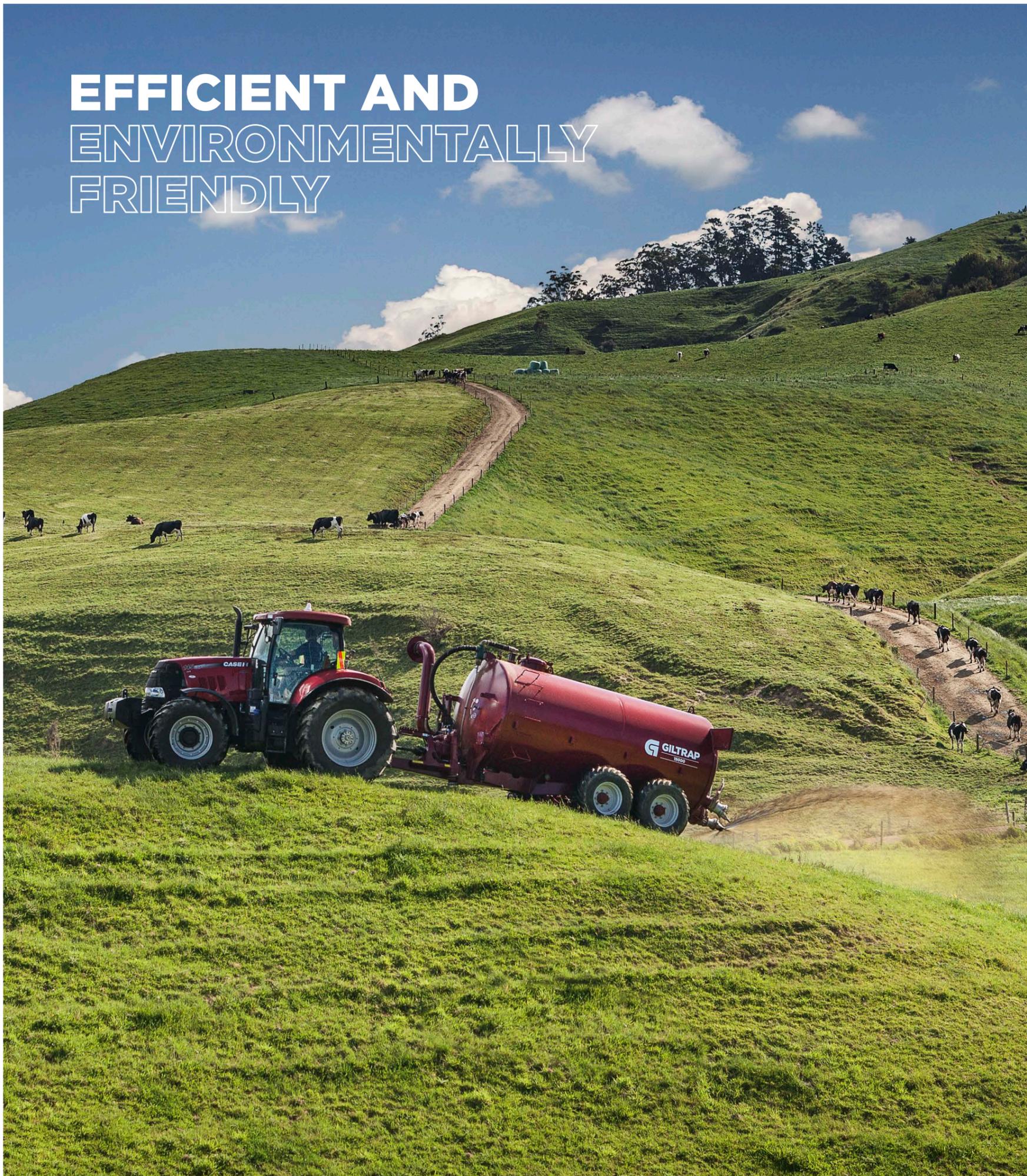


Capacity (Super)**	Capacity (with Lime)**	Capacity (with Urea)**	Overall Length	Overall Width	Overall Height
3.0 tonnes	3.9 tonnes	2.1 tonnes	4.9m	1.66m	1.45m
Bin Length	Tare Weight	Standard Axle	Axle Size	Wheels	Recommended Oil Flow
3.00m	970kg	Single	60mm	10.0/75 x 15.3	40-60l/min

** Superphosphate at 1.2T/m³, Lime at 1.55T/m³, Urea at 0.85T/m³

* All attachments shown are also available for the large spreader range

EFFICIENT AND ENVIRONMENTALLY FRIENDLY



VALUE IN EFFLUENT

THE BENEFITS OF EFFLUENT

A well designed system and management plan will enable as much as 80 to 90% retention of the nutrient value. The organic matter in the effluent will also improve soil water holding characteristics, aeration and drainage and will make soil less prone to compaction and erosion.

Research shows that 1kg N from effluent is equivalent to 1kg N from Urea, in terms of pasture production, composition and nitrate leaching. Therefore farm dairy effluent can produce good pasture response, up to 10 to 15kg DM per kg N applied in effluent.

ESTIMATED NUTRIENTS IN EFFLUENT FROM 100 COWS (KG/YR)*

No feed pad - farm dairy effluent

	N	P	K
All grass system (milking 270 days twice a day)	590	70	540
Feeding 2tDM/ha of maize silage in paddock	668	80	668

Using a feed pad - farm dairy effluent plus feed pad effluent (feeding 2tDM/ha of maize silage)

TIME ON PAD	N	P	K
1/2 hour on pad per day	838	100	868
1 hour on pad per day	1008	120	1044

NUTRIENT	SOLID FERTILISER EQUIVALENT OF EFFLUENT FROM 100 COWS (all grass system - as above table)
N	1.3 t of Urea
P	0.7 t of superphosphate
K	1.1 t of MoP (50% potash)
Mg	0.2 t of MgO

NUTRIENT	SOLID FERTILISER EQUIVALENT OF EFFLUENT FROM 100 COWS (feeding 2tDM/ha of maize silage on a feed pad, 1 hr per day)
N	2.2 t of Urea
P	1.3 t of superphosphate
K	2.1 t of MoP (50% potash)
Mg	0.3 t of MgO

Figures are estimated using the Overseer nutrient budget model, figures will vary from farm to farm. Testing the effluent from your farm will confirm the nutrient values.

*Source: DairyNZ and Environment Waikato's "A guide to managing Farm Dairy Effluent".

SLURRY SPREADER

Top quality components ensure constant, reliable handling of effluent, day in and day out. The tank is manufactured from heavy plate steel, with 6mm domed ends and a strong integrated chassis giving the tank support throughout its entire length.

KEY FEATURES

- Battioni Pagani vacuum pump
- Tandem or single axle
- Strong integrated chassis and drawbar
- Internal baffle plate to prevent surging
- Separate filling points
- Access points for easy cleaning
- Level indicator
- Lightweight sectioned suction hoses for easy handling
- Brass and galvanised fittings for corrosion protection
- Double moisture trap system
- Epoxy paint inside the tank to reduce corrosion

OPTIONAL EXTRAS

- Brakes
- Side delivery discharge nozzle
- Auto-fill system with pump actuation
- Quick hose coupler
- Hydraulic driven vacuum pump
- Various wheel options
- Sprung/steering bogey axle assemblies
- Hydraulic suspension drawbar
- Internal tank agitation
- Upgrade to 200mm suction hoses
- 200mm hose lifter/transport rack
- Turbo filler
- Mudguards
- 75mm trough cleaning kit



Italian Battioni Pagani rotary vane vacuum pumps are standard equipment, featuring rugged design, high airflow capacity and low maintenance requirements.



Domed ends are 6mm steel plate, double butt welded into the tank cylinder. Hydraulic suspension can be fitted to the drawbar, it can also be used to increase the angle of the tank by 3 degrees.



Galvanised quick coupling hose connectors offer an easy hook up and decoupling system for the suction hoses with minimal hassle or mess.



Reinforced rubber suction hoses are designed to withstand the forces of full vacuum, and are supplied in 4m lengths for ease of handling.



Auto-fill system with pump actuation.



Add Technology with a flow-meter and touch screen to create GPS coverage maps of each job for proof of placement recording.

MODEL	5000	7500	10000	12000	15000	20000
Tank Diameter	1.60m	1.60m	1.80m	2.00m	2.00m	2.00m
Tank Length	3.10m	4.30m	4.40m	4.10m	5.06m	6.66m
Tank Capacity	5250 litres	7700 litres	10050 litres	12050 litres	15050 litres	20000 litres
Baffles	1	1	1	2	2	3
Tare Weight	2130kg	2600kg	3750kg	3900kg	4400kg	7700kg
Overall Length	5.45m	6.7m	6.8m	6.5m	6.85m	8.5m
Overall Height	2.40m	2.45m	2.90m	3.10m	3.10m	3.20m
Overall Width	2.50m	2.50m	2.50m	2.80m	2.80m	2.65m
Pump Capacity	6500 l/min	8000 l/min	12000 l/min	12000 l/min	12000 l/min	12000 l/min
Pump Lubrication	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Hose Size	150mm (6")	200mm (6")				
Hose Length	4m (x2) plus 3m probe					
Filling Points	3	3	3	3	3	3
Manhole Access Points	2	2	2	2	2	2
Axle Type	Tandem	Tandem	Tandem	Tandem	Tandem	Triple
Axle Size	60mm (6 stud)	70mm (6 stud)	80mm (8 stud)	90mm (8 stud)	90mm (8 stud)	130mm (10 stud)
Wheels	400/60 x 15.5	400/60 x 15.5	400/70 x 22.5	400/70 x 22.5	400/70 x 22.5	560/60 R22.5

POND STIRRER

Our Pond Stirrer combines ingenuity and resilience – the propeller is removable, quadruple-sealed and tangle proof. It's strong enough to keep solids circulating too. The Stirrer will look after itself, so you can keep going.

KEY FEATURES

- Galvanised
- 6m or 8m length options
- Tapered propeller shaft for simple propeller removal
- Removable propeller end bearings and seals
- Greasable propeller support bearing
- Greasable centre shaft bush
- Negative angle leading edge on propeller for reduced weed tangle
- Fold up transport wheels
- "Push" circulation

OPTIONAL EXTRAS

- Hydraulic toplink to adjust the stirrer angle



Adjustable top link to ensure stirrer is working at optimum depth.



Wheels can be folded up to keep out of pond.



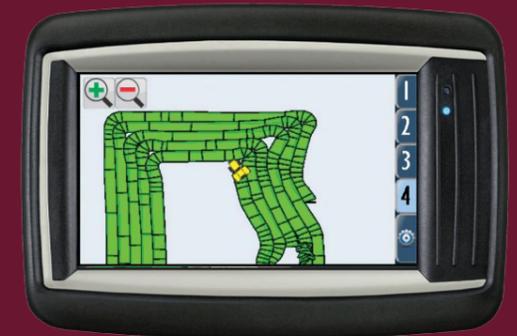
3 blade anti-foul propeller mounted on a marine taper for easy removal.



TECHNOLOGY

Giltrap Engineering combines seamless design and world-class technology into every piece of machinery.

All models of the fertiliser spreader are standard with an electronic rate control with colour graphic touch display. This advanced control provides you peace of mind that you can spread every job perfectly.



THIS TECHNOLOGY PROVIDES THE FOLLOWING KEY FEATURES

- Precision and flexibility to vary spreading rates electronically
- Includes touch screen control for the spinner speeds and border spreading
- Optional electronic scales to precisely measure the load and amount spread
- Checks spreading rates
- Provides automatic rate calibration with scales fitted

MORE CONTROL

For those wanting more advanced control and measurement there is an upgrade to include GPS functionality. This will enable coverage mapping of jobs as they are done for proof of placement and add prescription maps through the USB port for variable rate spreading.

ADVANCED FEATURES INCLUDE:

- Monitored functions including rate and belt speed warnings delivered as audible warnings and visual messages.
- Transfer your data between the field and your office using a USB port.
- Product calibration by name and product, adjusting the spread width and application rate at the touch of a button.
- Record all areas mapped including the rate, date and tonnages



The logo consists of four white rounded square boxes arranged horizontally. The first box contains the number '2', the second contains '4', the third contains a forward slash '/', and the fourth contains the number '7'. A thin horizontal line runs through the middle of all four boxes, passing behind the characters.

We've assembled a comprehensive dealer network who know what it takes to keep your Giltrap machinery in peak condition. With a blend of local knowledge and engineering expertise our team is here 24/7, so your business doesn't have to stop.

To find out more about our local dealer network or to discuss your specific needs contact a member of our team.

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