

PRODUCT RANGE > EFFLUENT & SLURRY>

# POND & TANK MANAGEMENT

**farm**Chief.

Implements for the best  
farmers in the world.





# CONTENTS

Why Stirring Your Pond Is Vital	05
Effluent Pond Stirrers	06
Effluent Tank Mixers	08
Effluent Pump Mixers	10
Trailed Mega Mix	12
Super Jet	13
FarmChief Machines	14





FarmChief has worked the land for generations and we plan to be here for many more. Our high-spec implements provide farmers and contractors around the country with the best ways to cultivate, sow, harvest, manage nutrients and generally keep things going to make the most of New Zealand's potential.







# WHY STIRRING YOUR EFFLUENT POND IS VITAL

## Top 5 benefits of stirring your effluent pond.

**1) Even, nutrient-rich application** - Mixing solids with the liquid means your nutrients are evenly distributed throughout the slurry while creating a smooth consistency for application. FarmChief's effluent and slurry solutions deliver even, mixed slurry which is easier to apply with greater nutritional certainty, meaning you know the exact nutritional makeup of the material which is going on the paddock- resulting in improved pasture growth and yield.

**2) Improved pond & tank capacity** - We all know a crusted pond full of solids and sludge reduces has less capacity than ponds with evenly mixed material. Using FarmChief stirrers, mixers and pumps helps ensure your pond or tank is able to operate at 100%, saving you money and time.

**3) Reduced long-term work and stress** - A well incorporated pond does more than improve the quality of the material: you'll also notice a large improvement in the smell and look of the pond, keeping you on-side with your neighbors and the council. Mixed slurry is also kinder on pumps and stirrers, meaning fewer blockages & breakages and improved longevity of your implements. Additionally, if your pond or tank is stirred frequently, you'll spend less time doing this dirty job in the long run - something every one at home will be happy about!

**4) Improved stock rotation** - The more liquid the slurry which you are applying to the pasture, the more effectively the material will be absorbed. This allows you to get stock rotated back onto the land sooner making land and stock management much less complicated. A liquid slurry is more readily absorbed, meaning you see a quicker uptake of nutrients.

**5) Reduced reliance on additional machines** - A well-incorporated pond or tank with a smooth slurry consistency means you are able to spread all of the material without worrying about dealing with the solid sludge when emptying the pond. Regardless of your method, umbilical system, tanker or irrigation, you should be able to do it without getting in a digger and muck spreader to deal with the solids. (FarmChief offers a great range of application methods, talk to us about the one which best suits your needs.)

Feedback from our customers, both contractors and farmers, indicate that the FarmChief range of mixers, stirrers and pumps are more efficient than others they've used and that you can see them working as soon as you start them up.

All FarmChief pond stirrers and pumps are fully galvanised and made with heavy-duty components to ensure a long life span. In addition, less HP is required to stir thanks to their superior design, meaning they are a more accessible machine, saving on fuel and time.



# EFFLUENT POND STIRRERS

Machines ideal for mixing ponds and lagoons up to 1 million liters in capacity. These stirrers produce an aggressive mixing action with a lower power requirement which make them an ideal choice for medium scale farms looking to manage their own effluent.



## FARMCHIEF POND STIRRER

Choose the FarmChief Storth Pond Stirrer and ensure your slurry is mixed properly, allowing for effective, even application on paddocks.

With the hydraulic top-link included as standard, these mixers are easily operated allowing for accurate positioning in the slurry and for easy adjustment while mixing. Built to last, our machines are fully galvanized and strengthened with a heavy-duty box section placed under the mixing tube.

Ideal for small-medium sized ponds, the FarmChief Pond Stirrer carries a 1500m<sup>3</sup> mixing capacity with lengths between 4.8m and 7.6m, with a 600mm prop.

- ▶ Hydraulic top link comes as standard
- ▶ Low maintenance wet-run fluted bottom bearing
- ▶ Robust 50mm drive shaft and bearings
- ▶ Shear bolt protection on supplied PTO shaft
- ▶ Optional upgrade to a 650mm propeller on selected models
- ▶ Optional transport wheels



MODEL	LENGTH	PROPELLER	MIXING CAPACITY*	HP REQ
SM/100	4.8m (15ft)	600mm (23")	1500m <sup>3</sup>	60+
SM/200	6.1m (20ft)	600mm (23")	1500m <sup>3</sup>	70+
SM/250	7.6m (25ft)	600mm (23")	1500m <sup>3</sup>	80+

*\*from one mixing point*





### Long Life Build

The fully galvanized frame, heavy-duty headstock & main frame and long-life wet run fluter bottom bearing gives our machines longer lives, saving you money and hassle.



### Easy Propeller Replacement

Easily replaceable propeller ensures no downtime in the field. Simply bolt it on and you're good to go. Talk to our parts and service team for more information.



### Optional Wheel Kit

Make moving between ponds easy with an attachable wheel kit. Reduce the strain on the 3 point linkage and make turning corners easier.



### FRANK AND CHERYL GRIGG



*Frank and Cheryl run 180 cows on 70ha in Taranaki, with a 100m long and up to 60m wide effluent pond which was causing a problem. Matt from FarmChief showed them a solution: a Storth Pond Stirrer and 6,000 liter tanker combo.*

*Frank says "It's amazing! What used to be a 5-6 hour job can be done in just 2 hours, with one stirrer and with less horse power." He uses the effluent tanker behind the cows and says it's made a significant change, with pastures put back into rotation seamlessly.*

*Frank used to rely on top-dressing to keep production up but now finds the effluent recycling does the job for him.*

*"It's a great system and very easy to use. And FarmChief are good people to deal with."*



# EFFLUENT TANK MIXERS

Managing your above-ground tanks can be a major issue, especially when attempting to achieve a smooth consistency throughout the entire tank and reduce sediment building up at the bottom.

The FarmChief range of Tank Mixers are perfect for breaking up and incorporating heavy crusts on both the top and bottom of the tank. Choose between the ultra-maneuverable Tankmaster Mixer and the Hawk Tank Mixer and rest easy knowing your mixing solution will be with you for years to come.



## FARMCHIEF TANKMASTER MIXER

Alleviate your problems with the ultra-maneuverable Tankmaster Mixer. The 3PTL feature makes the mixer easy to move around your tank, making for an increased mixing capacity. Target specific layers of slurry with the help of the hydraulically controlled ram, allowing the mixer to operate at different depths and achieve a consistent slurry mix.

FarmChief offers a large range of models with different vertical and beam lengths to suit all popular tank sizes. All models come with a 3000m<sup>3</sup> mixing capacity from one point.

MODEL*	VERTICAL LENGTH	TOP BEAM LENGTH	PROPELLER	MIXING CAPACITY**	HP REQ
TM/3176	3.10m (10ft)	7.60m (25ft)	600mm (23")	3000m <sup>3</sup>	60+
TM/3776	3.70m (12ft)	7.60m (25ft)	600mm (23")	3000m <sup>3</sup>	60+
TM/4376	4.30m (14ft)	7.60m (25ft)	600mm (23")	3000m <sup>3</sup>	70+
TM/5092	5.00m (16ft)	9.20m (30ft)	600mm (23")	3000m <sup>3</sup>	70+
TM/6192	6.10m (20ft)	9.20m (30ft)	600mm (23")	3000m <sup>3</sup>	80+

\*more models available on request.

\*\* from one mixing point.



# FARMCHIEF HAWK TANK MIXER

9

Looking for something with a bit more oomph? Turn to the Tank Hawk Master which takes a two-prong attack; The bottom jetter nozzle agitates sediment at the bottom of the tank whilst the top-jetter nozzle breaks up large crusts at the surface level.

Controlled remotely, the top nozzle has a 300° sideways movement and 45° vertical movement, making for comprehensive coverage of the tank. Enjoy a massive 18,000L output per minute mixing capacity, with an optional add-on of a 150mm discharge pipe.

Needing even more control? Choose to add on a trailer to make moving your Hawk Tank Mixer between tanks, blocks and farms, easy.

MODEL*	LENGTH	CAPACITY**	OUTPUT	HP REQ
THM/300	3.00m (10ft)	8000m <sup>3</sup>	18,000L p/m	150+
THM/370	3.70m (12ft)	8000m <sup>3</sup>	18,000L p/m	150+
THM/500	5.00m (16ft)	8000m <sup>3</sup>	18,000L p/m	150+
THM/610	6.10m (20ft)	8000m <sup>3</sup>	18,000L p/m	150+

\*more models available on request.  
\*\* from one mixing point.





# EFFLUENT PUMP MIXERS

Contractors and large-scale farmers, this is your solution if you're after a versatile machine which can pump and shift slurry into tankers, between ponds or prime umbilical pumps, whilst delivering superior mixing capacity.

Effluent storage, management and distribution is a booming segment of the industry. Demand is high for quality, versatile machines. The FarmChief Mega Mix and Kestrel are the top-of-the-range machines which large scale New Zealand farmers and contractors are demanding.

Excellent for severally crusted large ponds or lagoons, the Kestrel and Mega Mix maximise pond movement through discharge cannons.

*Specifically looking to pump herd homes? Talk to us about the FarmChief Super Jet, featuring high-capacity, short distance pumping and incredible agitation capacities.*

## FARMCHIEF KESTREL STIRRER

The large-scale farmer's implement for extending capacity, pumping herd homes and shifting large amounts of slurry.

The Kestrel is a unique mix-and-pump machine designed to get your slurry pond mixed or moved. The turbo impeller sucks in the slurry, finely chopping and mixing it before distributing it through the fixed discharge cannon.

Choose to upgrade to a remote-controlled rotating cannon for improved distribution and maximised movement.

- ▶ Heavy duty PTO shaft with shear bolt protection
- ▶ 12,500L p/min mixing capacity
- ▶ 3,000m<sup>3</sup> mixing capacity from a single mixing point
- ▶ Fits under herd home gates
- ▶ Single hydraulic ram for depth control
- ▶ Fully galvanised for durability and longevity
- ▶ Optional rotating jetter for improved distribution

MODEL	LENGTH	CAPACITY*	HP REQ
SMP/200	6.1M (20ft)	3000m <sup>3</sup>	120+
SMP/250	7.5m (25ft)	3000m <sup>3</sup>	150+

\* from one mixing point.



### Superior Output

The high-output induction impeller can deal with up to 12.5m<sup>3</sup> per minute and has a capacity to mix 3000m<sup>3</sup> from a single mixing point.



### Robust Engineering

The robust headstock is designed to withstand the lateral forces created by the pump and movement of material. Robust 50mm driveshaft and bearings can handle the job, and more.



### Versatile Range

Choose the length to suit your pond, and choose to upgrade to a 300° hydraulically controlled discharge cannon for maximised movement.



# FARMCHIEF MEGA MIX

11

The contractor's answer for all their effluent mixing, shifting and pumping needs. The possibilities extend to filling tankers, pumping to other lagoons, priming umbilical pumps, mixing slurry and breaking up tough, encrusted ponds - all with one machine!

With a 4500m<sup>3</sup> mixing capacity, hydraulic rotating pump, hydraulic rams for depth control and 6" or 8" side discharge pipes, the Mega Mix is a highly versatile machine. Fully galvanized, it's reliable and long lasting, too. The only choice for large and crusted ponds. Trailed options are available for those deeper ponds or for ponds with steeper banks.

- ▶ Dual hydraulic rams for depth control
- ▶ Optional discharge pipe pumping kit
- ▶ Hydraulic rotator motor for 300° movement
- ▶ 55mm drive shaft
- ▶ 20,000L p/min mixing capacity
- ▶ 150-200HP required for operation

MODEL*	LENGTH	MIXING CAPACITY**	HP REQ
CMP/700	7.0m (22ft)	4500m <sup>3</sup>	150+
CMP/800	8.0m (26ft)	4500m <sup>3</sup>	160+
CMP/900	9.5m (31ft)	4500m <sup>3</sup>	180+
CMP/1200	12.0m (39ft)	4500m <sup>3</sup>	200+



## Superior Lagoon Access

Twin hydraulic cylinders deliver precision control for depth and variable layer mixing to help achieve the desired consistency. The frame is engineered with a 15° angle for easy lagoon access.



## Long-Life Engineering

Fully galvanized metal frame, strong 55mm drive line, unique bearing slurry seal protection and drive shaft wear collar means you'll have this machine for years to come.



## Versatile Range

Choose the length to suit your pond, from 7m through to 12m, and choose trailed options for increased mobility.



# FARMCHIEF TRAILED MEGA MIX

Developed for lagoons with steeper banks. Perfect for those needing to reach deeper into the pond without needing a lot of horsepower to lift via the 3-point-linkage.

In addition to all of the features on the Mega Mix, the Trailed Mega Mix features hydraulically operated wheels and hydraulic stabilizer legs.

MODEL	LENGTH	MIXING CAPACITY*	HP REQ
TMP/1200	12.5m (41ft)	10,000m <sup>3</sup>	160+
TMP/1400	14.0m (46ft)	10,000m <sup>3</sup>	170+
TMP/1700	17.0m (56ft)	10,000m <sup>3</sup>	180+
TMP/2000	20.0m (66ft)	10,000m <sup>3</sup>	200+



- ▶ Robust hydraulic depth control
- ▶ Optional discharge pipe pumping kit
- ▶ Hydraulic rotator motor for 300° movement
- ▶ 55mm drive shaft
- ▶ 20,000L p/min mixing capacity
- ▶ 150-200HP required for operation



## DOUG CALDWELL - CALDWELL CONTRACTING

*Caldwell Contracting have been leaders in their field for over 20 years, covering all aspects of agriculture from silage to wood chipping to cultivation and effluent management and spreading.*

*Doug says the substantial family business is constantly looking for innovations in effluent management.*

*"The FarmChief Storth Mega Mix has been good. It's safer and faster than others. And it's definitely better than conventional stirrers. We use it of mixing all ponds and also for loading our transport tankers."*





# FARMCHIEF SUPER JET

13

The Super Jet 3PTL is a powerful mixer-pump with options of 5", 6" or 8" pipework.

Used in most often for pumping out herd homes, the Super Jet provides the ability to pump high-volumes of slurry to be pumped over short distances, thanks to the high-capacity turbo drum.

In addition, the under-surface agitator makes getting more out of your herd home, easy.

Thanks to the 3PTL system, this pump can remain attached to the tractor/PTO system while being transported, making for a versatile and easy-to-move machine.

- ▶ High-capacity short-distance pumping
- ▶ Variable depth for flexibility
- ▶ Optional full hydraulic movement on all functions - Control everything from the tractor!
- ▶ Efficient 300° rotation & 90° agitator head
- ▶ Impressive A-blade impeller with 610mm drum





# FarmChief

*Implements for the best farmers in the world.*

## FARMCHIEF MACHINES

### CULTIVATION



HEAVY DUTY SPEED DISCS



TINE CULTIVATORS



PRIMARY CULTIVATION DISCS



TINE PLOW



FALC POWER HARROW



FALC ROTARY HOE/SPIKE ROTOR



STRIP TILL CULTIVATORS



ROLLMAX ROLLERS



NSL RIPPER



SSDR RIPPER



EXPRESSPLUS SPEED DISCS



EXPRESSPRO PRE-RIPPER



## SEEDING/SPREADING



ROLLER AIRSEEDER DRILL



XACT PRECISION PLANTER



MOORE DIRECT DISC UNI-DRILL

## EFFLUENT/SLURRY



VEENHUIS ROTOMAX



VEENHUIS SLURRY TANKERS



ENVIROSPREAD SLURRY TANKERS



STORTH UMBILICAL SYSTEM



STORTH POND STIRRER/MIXER



HARRY WEST MUCK SPREADER

## GRAIN HANDLING



BACKSAVER GRAIN AUGER



CONVENTIONAL GRAIN AUGER



CONVEYAIR GRAIN VAC

## TRANSPORT/UTILITY



SILAGE GRAB



PALLET FORK & TINE COMBO



REAR GRADER BLADE



FALC MULCHERS



BALE CLAMP

FIND THE RIGHT IMPLEMENT FOR THE RIGHT JOB!





**CHRISTCHURCH**

10 Currags Road  
03 349 4450

**INVERCARGILL**

51 North Road  
03 215 7750

**PALMERSTON NORTH**

6 Noel Rogers Place  
06 354 6404

[www.farmchief.co.nz](http://www.farmchief.co.nz) | 0800 327 624

**farm**Chief.