WESTERN FERTILISER
TECHNOLOGY PTY LTD

Made in Western Australia

FERTIBLEND INNOVATION

WAGIN WOOLORAMA March 11-12, 2016

Description of Fertiblend DIY System

The Fertiblend System was designed to:

* Apply productive liquid fertilisers between rows of tree crops (fruit trees, vines, sustainable forestry plantations, tagasaste, eucalyptus. palm oil, etc.). It has **two booms, one on each side**. Suitable nozzles can be fitted, and the spray angle can be adjusted to suit the crop. The Fertiblend System was designed for minimum spray-drift when applying to soil or foliar, achieving accurate spread with minimum waste.

* **Six different types of low-cost liquid fertilisers** can be produced (**DIY**) on farm with the Fertiblend System, which is provided with a powerful Honda 5.5 hp petrol pump, agitation system, filtration and delivery system system, ducted in-line 12v fan for dust removal, depth gauge, quality valves and camlocks. It is mounted on a sturdy wooden pallet to which it is firmly bolted. It can be safely carried on the back of an appropriate utility and lifted off when not needed.

The high analysis, highly stable blended liquid fertilisers that can be stored for a minimum of 10 years are:

Fertiblend N-S
Fertiblend N-P-K
Fertiblend N-P-K-Cal
Fertiblend N-Cal
Fertiblend N-Mag-S
Fertiblend Lime-N-Potash

* The Fertiblend System can be used to apply the above liquid fertilisers compatibly blended with Western Fertiliser Technology's trace element concentrate **SUPER ENERGY,** towing a **lightweight carbon-composite or aluminum boom.**

* The Fertiblend System is provided with a **unique corrosion-proof liquid injector manifold** to apply **Fertiblend Lime-N-Potash** plus **SUPER ENERGY trace elements** via 10 mm diameter poly tubing attached to a lightweight carbon-composite boom or any boomsprayer. The injector manifold provided can be used at sowing crops to **inject liquid fertiliser** under the seed or on the furrow.

* When not in use to produce and apply liquid fertilisers, the Fertiblend System is provided with a **fire-fighting reel and nozzle** attached to the Honda pump and tank.

Fertiblend DIY System for liquid fertilisers

ANALYSIS	---------- %W/V ----------					
	N	P	K	Ca	Mg	S
Fertiblend N-S	20.0					6.3
Fertiblend N-P-K	10.0	4.0	4.7			
Fertiblend N-P-K-Cal	5.5	3.0	3.6	3.4		
Fertiblend N-Cal	10.0			6.5		
Fertiblend N-Mag-S	15.0				3.0	4.0
Fertiblend Lime-N-Potash	10.0		6.2	1.2	1.2	

Super Energy Seed Treatment and Super Energy Trace Elements (please see website)

Liquid fertilisers for crops needing a boost in NPK and Trace Elements

		Cost/ha (approx.)
Wheat, Barley, Oats, Canola		
SOWING:	6 litres ***Super Energy Seed Treatment*** per ton of seed with 4 litres water	$3.00
SOWING:	20 litres per hectare ***N-P-K-Cal*** on the furrow with 30 litres water/ha	$8.00
Tillering:	30 litres per hectare ***N-S*** foliar/soil with 20 litres water/ha	$10.50
	plus 6 litres per hectare ***Super Energy***	$26.40

		$47.90/ha
Lupins		
SOWING:	6 litres ***Super Energy Seed Treatment*** per ton of seed with 4 litres water	$3.00
SOWING:	20 litres per hectare ***N-P-K-Cal*** on the furrow with 30 litres water/ha	$8.00
Before Flowering:	30 litres per hectare ***N-Mag-S*** foliar/soil with 20 litres water/ha	$14.50
	plus 6 litres per hectare ***Super Energy***	$26.40

		$51.90/ha
Pastures:		
In May (after rain):	8 litres per hectare ***Super Energy*** with 30 litres water/ha	$35.20
In June:	20 litres per hectare ***Lime-N-Potash*** with 30 litres water/ha	$7.00

		$42.20/ha

Advantages of Western Fertiliser Technology's Fertiblend DIY System

The Fertiblend DIY System's productive, high-analysis liquid fertilisers costs approximately 35 cents to 50 cents a litre, providing large savings. Time to produce each batch (900-ltres) is about 1 hour depending on outside temperature. Production/day is approximately 3600-litres. An 850-litre Blend-Tech System (electric), producing 3400-litres/day and a 4500-litre Blend-Tech system (electric) producing 18,000 litres/day are also available.

The six Fertiblend and Blend-Tech products plus trace elements covers the wide range of nutrients needed to increase protein in grains, as well as improving grain quality and high yields. Good nutrition of pastures and crops means nutritious feed for sheep and cattle, increased soil nitrogen for following cereal crops, and increased resilience to erratic or late rainfall. Timed applications of liquid fertilisers. following rainfall, makes better use of rain to increase water-use efficiency and increase fertiliser-use efficiency provided by the Fertiblend liquid fertilisers. Crops fed Fertiblend liquid fertilisers have vigorous, deeper root systems for better water and nutrient uptake for high yields and quality.

The storage-stability of Fertiblend liquid fertilisers enables the liquid fertilisers to be produced in advance (April-May) and stored in 1000-litre IBC shuttles for later use. The IBC shuttles can be used to top-up the Fertiblend boom sprayer in the field. At controlled rates, Fertiblend liquid fertilisers can be applied with minimum water. Teamed up with a 4WD utility, the Fertiblend System has the potential to save fuel for broadacre fertiliser spraying, together with reduced soil compaction. Use of 7-stream pattern StreamJet nozzles for liquid fertiliser application in standing crops provides excellent spray distribution in a wide swath.