

# X-change™

## WATER CONDITIONER AND ION SCAVENGER

### UNLOCK the power of Agrichemicals and Nutritional Products.

Change 'Hard' water into soft to optimise crop protection product performance. 'Hard' water in the spray tank deactivates many crop protection products making them less effective.

### How it works

- X-CHANGE is an 'Ion Scavenger' which 'locks up' free ions in the water that would otherwise deactivate many products.
- X-CHANGE has some pH reduction properties, eg 250 ml/100 L can reduce pH 7.5 down to 5.0

### Benefits

- ✓ Save Money: Release the full power of sprays by solving the 'hard water' problem
- ✓ Optimise performance: No need to 'Top up' pesticide rates to make up for the amount that is normally rendered inactive

### What sprays are affected?

Generally, any weak acid herbicides will be affected by hard water including:

- All glyphosates, glyphosate trimesium salts, and glufosinate.
- Phenoxy products-MCPB, MCPA, 2,4-D, 2,4-DP, etc
- Fop and Dim herbicides
- Sulfonyl urea herbicides
- Picloram, Clopyralid
- Bentazone, Dalapon, Paraquat, Diquat
- Imazapyr



Cations that will react in a spray tank with certain products to form inactive complexes include Calcium, Magnesium, Potassium, Sodium, Iron, Zinc, Copper, Aluminium

Use Rate per 100 L: 100 ml = general rate to 250 ml = robust rate dependant on test strip indications.

Follow label directions.

**Water test:** Use X-Change water hardness test strips to determine severity and rate.

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Freephone: 0800 100 325 [www.etec.co.nz](http://www.etec.co.nz)

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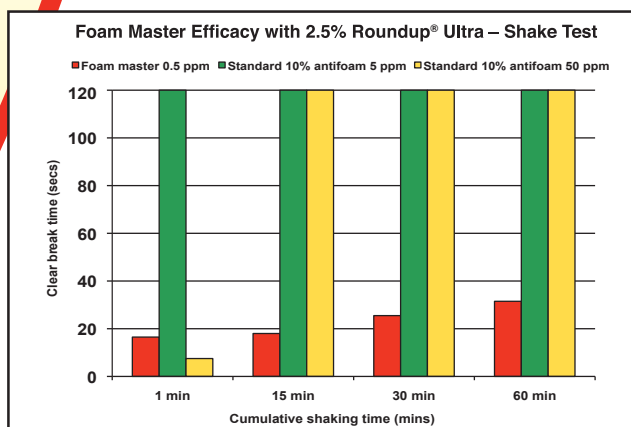
# foam MASTER<sup>®</sup>

## A breakthrough in anti-foam/de-foam



For many years NZ farmers and contractors have put up with trying to manage tank foam using old technology.

Foam Master is a brand new generation antifoam / defoamer product designed to effectively control foam in the spray tank from mixtures of agrichemicals, adjuvants, foliar nutrients etc.



### Directions for Use:

Situation	Rate	Comments
General spraying situations where foaming is a problem.	1 – 4 ml of Foam Master per 100 L of spray mixture	<b>ANTI-FOAMER</b> The most effective means of foam management is to prevent foam from forming. For best results always try to use Foam Master as an Anti-Foamer, adding to the tank before foaming occurs.
Mixtures where Du-Wett <sup>®</sup> Stainless or acid based kiwifruit stain removers, e.g. Kiwilustre and Liftoff <sup>™1</sup> are used.	4 – 5 ml of Foam Master per 100 L of spray mixture	<b>DE-FOAMER</b> If foam is present in the tank add Foam Master at label rates but be prepared to increase or decrease the rate until desired foam control is obtained.

### Benefits

- Excellent foam prevention
- Effective in wide pH and temperature
- Very low use rates
- Economical

Foam can affect calibration and metering of spray mixtures, and leave residues in tanks. Foam Master will reduce waste, exposure and residues of pesticides contained in foam running over the top of the spray tank.

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