

# PROMAX<sup>®</sup>

## Maximum Power

### Unleash the Power!



**Promax Spray Adjuvant  
helps to unleash the  
power of your sprays**



MADE BY AUSTRALIAN  
FARMERS FOR  
AUSTRALIAN FARMERS

**The Innovators in Agricultural Technology**

# PROMAX<sup>®</sup> Promax spray adjuvant helps to unleash the power of your sprays

## The Problems.

Performance of crop protection products can be affected by hard to wet plants, waxy or hairy leaves, hard to penetrate foliage, hot, dry or wet application conditions, wind, and other environmental situations.

Hard water can also cause problems with gelling and antagonism to various product actives when mixed in the spray tank.

## Promax helps to unleash the power of your sprays.

Promax Spray Adjuvant is an advanced blend of esterified oil and superior non-ionic surfactants that when combined in chemical applications, enhances their performance. Esterified canola oils emulsify more readily when mixed in the spray tank. The premium surfactant package "softens" hard water plus provides superior wetting, sticking and penetration compared to other esterified canola oil products.

## Promax Benefits:

- Especially developed for hard water
- Reduces buffering by hardness
- Helps to control hard-to-kill weeds
- Use with fallow and post-emergent herbicide sprays
- Can be used where an emulsifier oil or non-ionic surfactant is recommended
- Dramatically Improves:
  - ❖ wetting and stickability
  - ❖ Coverage
  - ❖ spray penetration and uptake into leaves and stems
  - ❖ Rainfastness
  - ❖ Droplet deposition
- Reduces:
  - ❖ Droplet evaporation
  - ❖ drift potential
- Decreases odour by encapsulating the spray chemical

- Enhances effectiveness of herbicides, insecticides, fungicides, defoliants and foliar fertilizers
- May be used with all methods of spray application

## Overcomes water hardness.

Promax is specifically designed for use in hard water, binding up the dissolved ions that create the hardness in the water.

Water hardness is caused by Calcium and Magnesium carbonates and bicarbonates dissolved in the water.

These have a buffering capacity and resist pH changes. Hardness also affects the wetting ability of water, and can result in a build up of scale in spray equipment. Water is classified as being hard if "total hardness" is greater than 200mg/Kg.

## Improves spray deposition.

Promax will help to maximize the performance of horticultural and agro-chemical sprays by increasing droplet deposition, droplet spread and penetration into the weed. Promax physically binds to the spray droplets, encapsulating the active ingredient and the water carrier. It reduces water evaporation and minimizes drift through eliminating fine droplets and providing a more even droplet size, leading to increased spray percentage reaching the target, reducing splash and waste.

## Application Guidelines:

	Rate	Critical Comments
Broadacre & Boom Spray	200ml – 1L/100L water	Use the lower rate when using low application rate products
Aerial, CDA, or ULV	200ml – 2L/Ha	
Handgun	(Spot spraying ) 150 – 300ml/100L water	
Knapsack	15ml – 20ml/10L water	
Tree Orchard Plantation Spraying	(High Volume) 100ml – 200ml/ 100L	

## Improved penetration and rainfastness.

Once on the weed surface, the fine esterified canola oil assists rapid penetration of the foliage. It penetrates natural plant defences such as the hairy surface of leaves and stems, and waxy cuticles. Maximum efficacy of active ingredients can occur within minutes of application, even in less than ideal spraying conditions, such as showery weather.

## Compatibility.

Promax is non-phytotoxic at recommended rates and is compatible with most commonly applied chemicals including herbicides, fungicides, insecticides and other foliar sprays.

Promax does NOT contain ammonium sulfate, and can be used with fallow and in-crop sprays.

Do not mix with Bravo<sup>®</sup> or Dormex<sup>®</sup>.

## Mixing.

It is important for best results and to avoid gelling/drop-out in the spray tank to mix all components of the mix in the correct order.

If using multiple products in the mixture, add according to the WALES order, adding Promax surfactant last.

## Before using Promax, read the complete label directions.

Promax<sup>®</sup> is a registered trademark of Grevillia Ag.

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