

INFILTRATOR⁺

SPRAY ADJUVANT

- ❑ Methylated vegetable oil – superior penetrating oil
- ❑ Nonionic surfactants – adhesion, wetting and spreading
- ❑ Manufactured from Australian Grown Canola Oil
- ❑ Increases speed of uptake – Rainfast
- ❑ Compatible with a wide range of knockdown herbicides
- ❑ Increase droplet size – reduce driftable fines

Product Description

Infiltrator is a premium Methylated Vegetable Oil product for increasing the efficacy of knockdown herbicides. Specially designed for Summer knockdown, Infiltrator works best in hot dry conditions where the oil promotes larger droplets and reduces evaporation. The penetrating power of the Methylated Vegetable Oil increases the initial uptake of herbicides reducing the wash-off potential of rain after spraying. When using with Glyphosate the addition of Ammonium Sulphate is recommended.

Testing and Evaluation

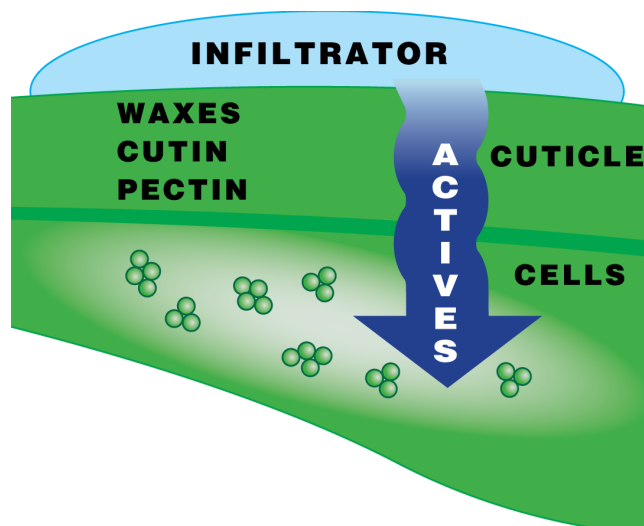
100% Methylated Vegetable oils and Nonionic surfactants
Excellent penetration of herbicides/pesticides through waxy surfaces

Based on renewable materials - Biodegradable

Trials indicate very good performance with a range of herbicides - Flexibility

High Quality Formulation - Reliable Performance

Manufactured according to the quality standard ISO 9002 - Consistency



Glasshouse Trial - 2009

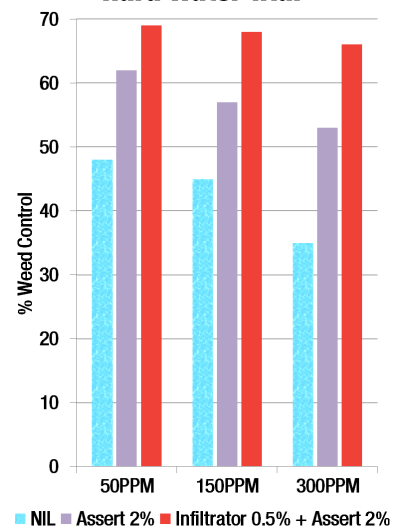
Herbicide: RoundUp CT 222ml/ha

Weed: Oats 1.5 - 2 leaf stage

Spray Volume: 64L/ha

Water Hardness: 50, 150 & 300ppm

Hard Water Trial



Compatible Products

Ammonium Sulphate

Glyphosate products

Gramoxone* (paraquat products)

Sprayseed* (paraquat/diquat products)

Garlon* (triclopyr products)

Lontrel* (clopyralid products)

Metsulfuron-methyl products

Atrazine products

Diuron products

Rainfastness

Figures 1 & 2 show data from Glasshouse trial where adjuvants have been shown to improve rainfastness of the Glyphosate products Gladiator* and RoundUp* Attack. Gladiator (450g/L Glyphosate) and RoundUp Attack (570g/L Glyphosate) were both applied to give 540g a.i./ha.

The tank-mix adjuvants INFILTRATOR Spray Adjuvant, DELUGE 1000 Wetting Agent and VC-700 Surfactant all improved the efficacy of the Glyphosate products, especially when Rain was applied after application of the herbicide. INFILTRATOR was the most effective adjuvant at maintaining Glyphosate efficacy when Rain was applied at 4h or less after spray application. When Rain was applied as soon as 1/2h after application, Infiltrator increased the efficacy of Gladiator from 64 to 81% (Oats). Similarly when Rain was applied 1/2h after application, Infiltrator increased the efficacy of RoundUp Attack from 63 to 77% (Variegated Thistle). This clearly shows that Infiltrator increases the speed of uptake or protects Glyphosate from wash off.

Each of the Glyphosate products provided reasonable weed control when No Rain was applied but their efficacy was reduced when Rain was applied 4h or less after application.

Weed Control measured by % reduction in Fresh Weight 14DAT

Suggestions for Use

The recommended usage rate for all herbicide applications of Infiltrator is in the range 500 mL - 1L per 100 Litres (0.5 - 1.0%) of the spray solution. When using with Glyphosate the addition of Ammonium Sulphate is recommended especially when using hard water.

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The Company

Victorian Chemical Company is committed to providing quality products and professional and friendly service, that our customers can confidently rely on to add value to their businesses. In order to achieve this goal we will continue to develop, our understanding of our customer's requirements, the operations of our company and our technical expertise.

Figure 1: Oats - Gladiator

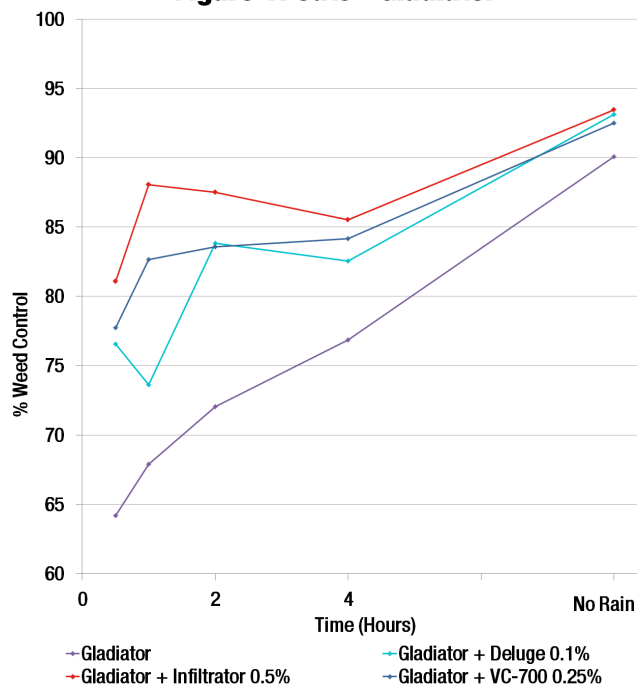
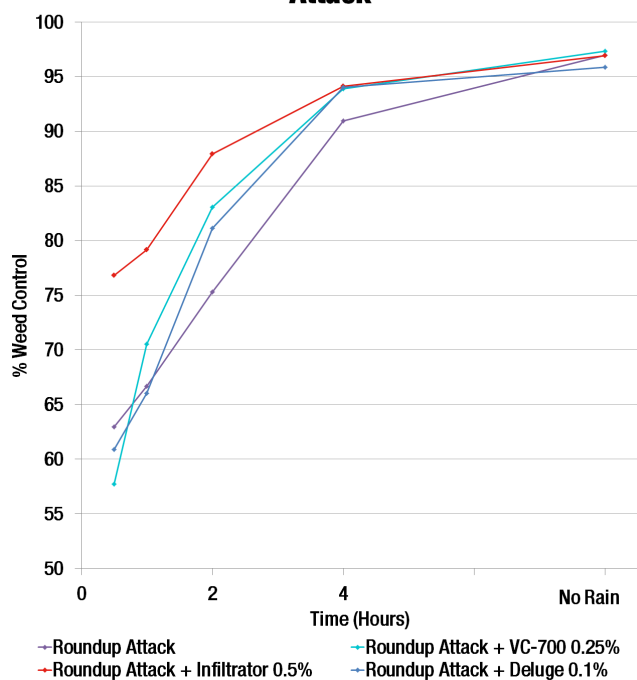


Figure 2: Variegated Thistle - Roundup Attack



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AGR26 250614