

OUTRIGHT⁺ 770

SPRAY ADJUVANT



OUTRIGHT 770 is a multi-functional spray adjuvant that contains 770g/L of Active Constituents Methyl Oleate, Non-Ionic Surfactants and Ammonium Sulphate. In addition to the convenience of providing 3 adjuvant types in the one product OUTRIGHT 770 -

- Increases penetration of herbicides through waxy weed cuticles
- Delays the dry down rate of spray droplets on weeds
- Assists in the retention of spray droplets on weed surfaces
- Increases the wetting and spreading of spray droplets on weeds
- Reduces hard water deactivation of susceptible herbicides eg. Glyphosate
- High quality formulation providing easy dispersion and stable emulsion characteristics in tank mixes
- Developed in Australia for Australian conditions. Patented formulation.

Product Description

OUTRIGHT 770 is a unique spray adjuvant combining the benefits of Esterified Seed Oils, Nonionic Surfactants and Ammonium Sulphate in an easy-to-use liquid formulation which is compatible with a wide range of knockdown herbicides.

Product Performance

Field trials consistently show the benefit of OUTRIGHT 770 particularly when conditions are harsh. Trial conducted at Nungarin WA in 2013 demonstrated that OUTRIGHT 770 (0.5%) increased control of both Melons and Burr Grass when applied with RoundUp* Attack and Garlon* Fallow Master.

Key Benefits

OUTRIGHT 770 contains 3 key ingredients which can help maximise the efficacy of a herbicide application

Methyl Oleate is a penetrating oil which can help active ingredients to penetrate the waxy cuticle of weeds. It will also reduce surface evaporation thereby increasing the time for foliar uptake.

Non-ionic Surfactants will help the spray droplets to adhere to the target and then spread across the target to maximise uptake. Ammonium Sulphate can help minimise the detrimental effects which hard water can have on certain herbicides as well as increasing uptake and reducing incompatibility between certain herbicides.

Weed Control using Glyphosate + Garlon

% WEED CONTROL

Field Trial

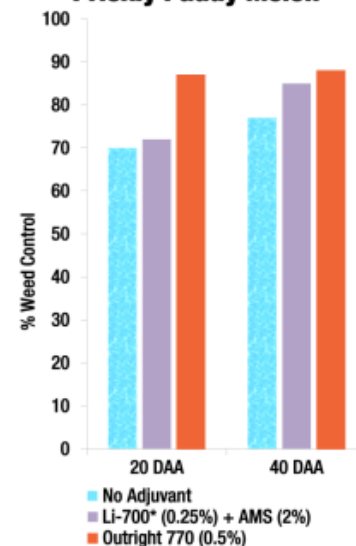
Location: Nungarin WA

Trial Date: March 2013

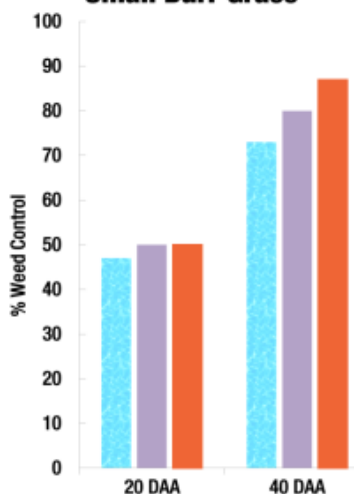
RoundUp Attack 1000ml/ha

Garlon Fallow Master 110ml/ha

Prickly Paddy Melon



Small Burr Grass



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Hard Water Suppression

Trial data shows that OUTRIGHT 770 can improve the performance of Glyphosate and help overcome the loss of efficacy associated with hard water. A controlled glasshouse trial (Hard Water Trial in right column) used sub-lethal doses of Glyphosate herbicide (average of 111 & 222 mL/ha Roundup* CT applied at 64L/ha) applied to oats at 2 – 2.5 leaf stage.

Assessment was by fresh weight at 14 DAT. Treatments were made up in three water hardness levels and with three rates of the adjuvant OUTRIGHT 770.

Trial data shows the well-established fact that as water hardness increases, Glyphosate efficacy decreases. This trend is reduced or even eliminated when OUTRIGHT 770 is added to the spray mix.

OUTRIGHT 770 continues to be field tested with other herbicides and it is expected that the novel combination of highly efficacious adjuvant components will mean it will offer performance and convenience benefits to many herbicide applications.

Compatibility

OUTRIGHT 770 is compatible with most knockdown herbicides including;

Glyphosate products	Basta*
2,4-D products	Lontrel*(clopyralid products)
Garlon*(tricyclopyr products)	Goal* (oxyfluorfen products)
Paraquat and diquat products	

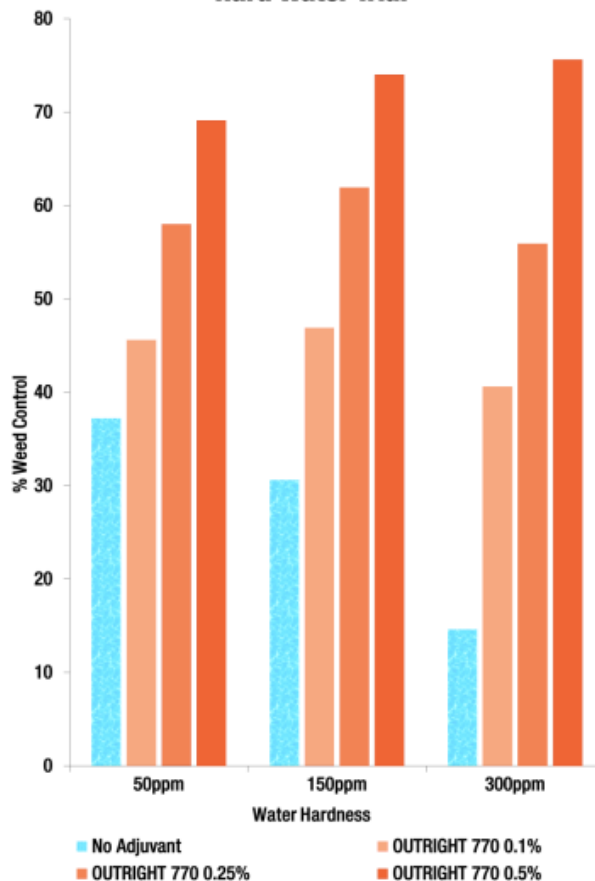
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The Company

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.

Hard Water Trial



Suggestions for Use

The typical use rate for Outright 770 is 100 - 500 mL/100L. The high end of the usage rate is recommended when using spray water with high hardness (>340ppm), conditions are hot and/or dry, when treating difficult to control weeds. If water is very hard (>1000ppm) then additional ammonium sulphate may be required.

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