

ENHANCE[®]

Spray Adjuvant



PRODUCT OVERVIEW

ENHANCE[®] is a premium crop oil concentrate developed through extensive research to improve the activity of a wide range of herbicides and defoliants. It is an emulsifiable spray oil designed specifically to improve penetration, wetting and spreading properties of applied active ingredients. **ENHANCE[®]** is developed and manufactured locally by Australia's specialist adjuvant company SACOA. With a formulation consisting of highly refined paraffinic oil **ENHANCE[®]** is placed at the forefront of spray adjuvant technology.

PRODUCT POSITIONING

Getting the best out of your active ingredients is crucial when spraying in broadacre crops. Effective weed control relies on correct selection, rate and application of herbicides. Spraying under 'ideal conditions' when crops and weeds are at correct growth stages, plants are stress free and weather conditions are suitable can be challenging at the best of times. Cold or hard water can cause mixing issues with some actives. **ENHANCE[®]** is formulated specifically to reduce such issues. Droplet bounce, poor surface contact between active ingredient and the leaf as well as low droplet survival on leaves can reduce efficacy of applied active ingredients. **ENHANCE[®]** is registered for use with an extensive range of active ingredients in a wide range of crop types including cereals, cotton, legumes and canola

PRODUCT FEATURES AND BENEFITS

ENHANCE[®] Provides improved weed control and cost-effectiveness of the spray application through:

- Facilitating improved penetration of active ingredients by modifying target surface characteristics.
- Improved spreading of active ingredient to the target plant by reducing surface tension of spray droplets.
- Minimising any inadvertent losses due to spray drift and/or evaporation.
- Offering improved solution stability under low water rates.
- Reducing cold or hard water compatibility issues.
- Reducing the potential clogging or blockage of spray nozzles.

PRODUCT PERFORMANCE

Recent trial evidence has shown that some types of spray oils can greatly reduce the potential yield of cereals and pulse crops. This is caused by old technology surfactants and/or unsuitable mineral base oil, which are blended in the manufacturing processes of spray oil. They produce a phenol by-product during UV degradation, which damages the plant tissue, and interferes with the photosynthesis processes. SACOA have an ongoing field and laboratory research program that assesses the efficacy and safety of **ENHANCE[®]** when mixed with new and existing active ingredients present in the market. **ENHANCE[®]** has been proven to provide far greater levels of crop safety when compared to other recently registered spray oils. Always follow directions for use on **ENHANCE[®]** and active ingredient labels. Under difficult conditions such as cold superscript (<15oC), moisture stress or when tank mixing multiple actives it is critical to follow correct mixing order procedures (refer SACOA mixing procedure technote). Always follow directions for use on active ingredient label.

For more information
www.sacoa.com.au or
 call 08 9386 7666

- ✓ Australian owned
- ✓ Specialist company
- ✓ QA manufacturing
- ✓ National distribution
- ✓ Full product support





PRODUCT INFO SHEET

CRITICAL INFORMATION

PRODUCT TYPE

Spray Adjuvant

ACTIVE INGREDIENTS

598g/L Paraffinic oil +
210 g/L Non-Ionic Surfactant

USE RATE

0.5 - 1 L/ha

PACK SIZES AVAILABLE

20 L
110 L
205 L
1000 L
BULK

USER GUIDE

ENHANCE® is generally used at a rate between 0.5-1L/100L as directed on active ingredient labels. However, rate recommendations will vary according to:

- The specific type of active ingredient(s).
- The prevailing weather and crop conditions.
- Weed load at the time of spraying.

Please read the **ENHANCE®** active ingredient label for specified application details.

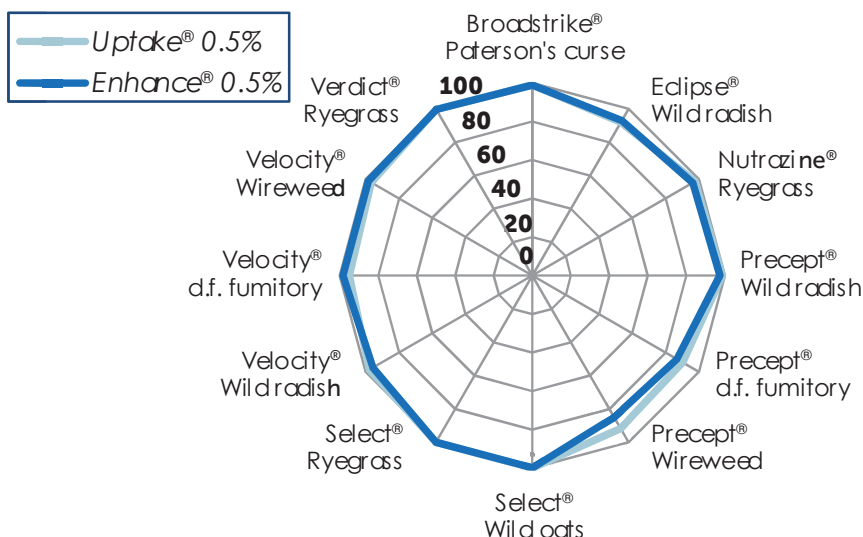


Chart 1: Weed control (%) with **ENHANCE®** and Uptake mixed with various herbicides. Independent trial data 2000-2011 WA, NSW, SA Agrisearch, Agritech & Kalyx).

PRODUCT COMPATIBILITY

ENHANCE® is recommended for multi-component tank mixes such as atrazine, clethodim and high loaded quizalofop and is formulated to be effective in cold water situations. It is suitable for use with hard to disperse wettable granules (WGs) and dry flowables (DFs) when correct mixing procedure is followed.

ENHANCE® is suitable for use with all products which state on their label that they are to be mixed with a crop oil or crop oil concentrate, including the 'Fop', 'Dim' and 'Den' grass herbicides. Examples are listed below:

PRODUCT	%v/v	PRODUCT	%v/v
Achieve®WG	0.5	Lontrel®750 SG	0.5
Aramo®	0.5	Canvas®600 LVE	0.5
Atrazine	0.5	Canvas®750 Selective	0.5
Axial®	0.5	Mataven®90	0.5
Barnstorm®	0.5	Pledge®500WG	0.5
Broadstrike®	0.5	quizalofop	0.5
Bromoxynil	0.5	Ripper®480	0.5
Bromoxynil/MCPA	0.5	Select®	0.5
Cadence®	0.5	simazine	0.5
Conclude®	0.5	Status®	0.5
Decision®	0.5	Starane®200	0.5
Eclipse®	0.5	Starane® Advanced	0.5
Fusilade®WG	0.5	Targa®	0.5
Fusion®WG	0.5	Topik®	0.5
Garlon®600	0.5	Topik®240EC	0.5
Goal®	0.5	Tordon®242	0.5
Grazon®DS	0.5	Tordon®75-D	0.5
Grazon®Extra	0.5	Torpedo®	0.5
Hotshot®	0.5	Verdict®520	0.5
Lontrel®	0.5	X-Pand®	0.5

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