

IN-BOUND[†]

SPRAY ADJUVANT



- Highly refined Mineral Oil with over 20% Non-Ionic Surfactants
- Provides excellent performance enhancement of certain agricultural products
- Low phytotoxicity potential
- Packaged in 20 L and returnable 110 L containers
- Manufactured according to the internationally recognised quality standard ISO9001:2008

Product Description

In-Bound Spray Adjuvant is a unique blend of highly refined mineral oil and non-ionic surfactants which is designed for tank mixing with certain agricultural products. The high loading of non-ionic surfactants (greater than 20%) will improve retention, spreading and penetration of active ingredients thereby increasing their efficacy. The mineral oil utilised in the In-Bound formulation has been selected to minimise the risk of phytotoxicity on crops and pastures.

Product Performance

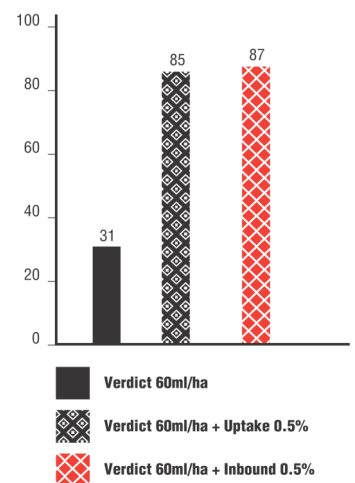
In-Bound Spray Adjuvant can be easily mixed to form a stable emulsion in a variety of spray water qualities that are used for agricultural spraying. In-Bound is compatible with most agricultural products that recommend the use of oil based adjuvants and when used as directed will provide the following benefits;

1. Reduced losses of the active ingredient (a.i.) - Mineral oil acts as a carrier which can help minimise a.i. loss due to spray drift and evaporation. On contact with the target, the non-ionic surfactant can reduce the incidence of droplet rebound while the oil reduces the potential for run-off.
2. Improved performance of the active ingredient – Non-ionic surfactants spread the spray droplets across a greater surface area therefore creating greater opportunity for the a.i. to penetrate the target. Mineral oil and surfactants will also modify waxy barriers on the surface of the target which will help to increase a.i. penetration.
3. Less potential for spray blockages – As In-Bound contains more than 20% non-ionic surfactants it can reduce the likelihood of nozzle blockages, especially with hard to disperse WG's and DF's.

FIELD TRIAL 1

LOCATION: Long Plains, South Australia
HERBICIDE: Verdict 520EC 60ml/ha
WEED: Bromus diandrus (Brome Grass)
Early to mid-tillering
POP. DENSITY: 42 plants per square metre
CROP: Field Peas (Parfield)
6-8 node when sprayed

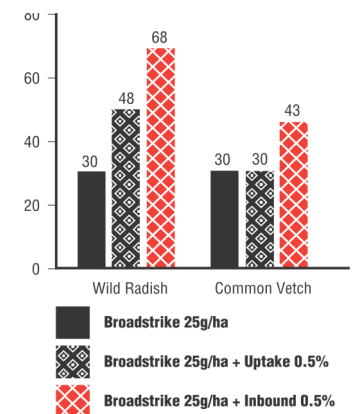
% Weed Control 28 DAT



Results are average of 4 replications
Spray Volume: 70L/ha
All treatments were safe - no phytotoxicity or crop vigour reduction observed.

FIELD TRIAL 2

LOCATION: Allendale, South Australia
HERBICIDE: Broadstrike 25g/ha in Wheat
WEED: Raphanus raphanistrum (Wild Radish)
4-8 leaf at spraying
WEED: Vicia sativa (Common Vetch)
GROWTH STAGE: 4-6 leaf node at spraying



Results are average of 4 replications
Spray Volume: 70L/ha
All treatments were safe - no phytotoxicity or crop vigour reduction observed.

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Testing and Evaluation

Field trials conducted with In-Bound Spray Adjuvant have shown its suitability with a range of products. In-Bound Spray Adjuvant can be used with products that recommend mineral oil adjuvants and is particularly well suited where an adjuvant with a high loading of non-ionic surfactants (>20%) is recommended. In cases where the active chemical's label recommends a specific adjuvant, it is best to use the product specified.

Key Benefits

- ❑ Improves spray results by increasing wetting and spreading of spray droplets on the target surface and the penetration of the active ingredient into the target
- ❑ Premium formulation utilises highly refined mineral oil with low phytotoxicity potential and a high loading of non-ionic surfactant for excellent mixing in a variety of spray water qualities.
- ❑ Manufactured according to the International Standard ISO9001:2008 ensuring quality, consistency and reliability

General Specifications

Appearance	Clear Pale Liquid
Colour	1-3 Gardner
Specific Gravity (20°C)	0.87 – 0.88

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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.

Suggestions for Use

Broadacre Cropping

Use 500mL In-Bound / 100L spray water with following herbicides unless otherwise specified on the herbicide label.
Fusilade* (and other fluzazifop-p products)

- ❑ Atrazine Herbicides
- ❑ Fusion*
- ❑ Achieve* (and other tralkoxydim products)
- ❑ Select* (and other clethodim products)
- ❑ Verdict* (and other haloxyfop products)
- ❑ Eclipse*
- ❑ Shogun*
- ❑ Broadstrike* (and other flumetsulam products)
- ❑ Lontrel* 750 SG (and other clopyralid products)
- ❑ Targa* (and other quizalofop-p-ethyl products)
- ❑ Precept*
- ❑ Topik* (and other clodinafop-propargyl products)

Other Uses

In-Bound can be used with herbicides in sugarcane, fallow management, horticulture, spot spraying and with cotton defoliant as specified on product label

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