

# DELUGE<sup>+</sup> 1000

## SPRAY ADJUVANT

- ❑ High performance non-ionic surfactant
- ❑ Excellent wetting & spreading of spray droplets on plant surfaces
- ❑ Increases activity of agricultural products when used as directed
- ❑ Can be used wherever a 1000 g/L non-ionic surfactant is specified on the label of the agricultural product
- ❑ Biodegradable – based on renewable materials
- ❑ Manufactured according to a quality management system
- ❑ Available in various pack sizes from 5L to 1000L

### Product Description

Deluge 1000 is a 100% non-ionic wetting agent compatible with most agricultural products. It can be used in both acid and alkaline sprays and will mix easily with most types of water used for agricultural spraying.

Deluge 1000 is highly concentrated and therefore well suited for Broadacre applications.

### Product Performance

When used as directed Deluge 1000 will reduce the surface tension of spray water and increase;

- ❑ Droplet retention on the target surface at initial impact
- ❑ Droplet spreading and wetting (coverage) on the target surface

Deluge 1000 will improve the performance of most broadacre agricultural products within the typical use range of 100 – 200ml/100 L of Spray Volume.

When applying Deluge 1000 with soil residual herbicides to standing weeds, a higher usage rate maybe required.

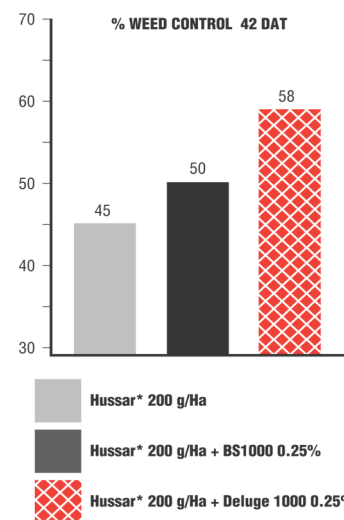
Deluge 1000 must always be used strictly as directed on product labels. This is particularly important when using Deluge 1000 with selective herbicides to ensure crop safety.

#### FIELD TRIAL – Kialla East, Vic.

**Herbicide:** Hussar\* 200g/ha in Triticale

**Weed:** Raphanus raphanistrum (Wild Radish).

**Growth stage:** 6-7 leaf at spraying



Results are average of 4 replications  
Spray Volume: 70 L/ha  
Seasonal conditions; Rainfall significantly less than average

#### FIELD TRIAL – Allendale, S.A.

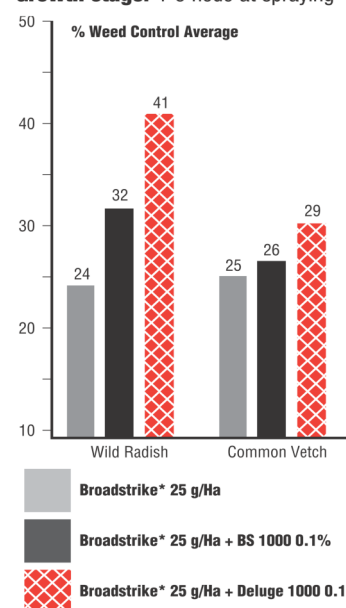
**Herbicide:** Broadstrike\* 25g/ha in Wheat

**Weed:** Raphanus raphanistrum (Wild Radish).

**Growth stage:** 4-8 leaf at spraying

**Weed:** Vicia sativa (Common Vetch).

**Growth stage:** 4-6 node at spraying



Results are cumulative mean of 4 assessments with 4 replications  
Spray volume: 70 L/ha  
Seasonal conditions: Rainfall less than average

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## SPRAY ADJUVANT

### Key Benefits

- Increases the performance of agricultural products when used as directed on product labels.
- Australian Organic Registered Farm Input
- Based on renewable materials – Biodegradable
- Highly concentrated formulation reduces handling and storage requirements
- Compatible with most agricultural products and types of spray water
- Manufactured according to a quality management system ensuring quality, consistency and reliability

\* (Deluge 1000 is not compatible with Dow's Crusader Herbicide.)



### General Specifications

Appearance	Clear Pale Liquid
Colour	2-4 Gardner
Specific Gravity (20°C)	1.03-1.05 g/ml

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\* Third Party Trademark

### 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.

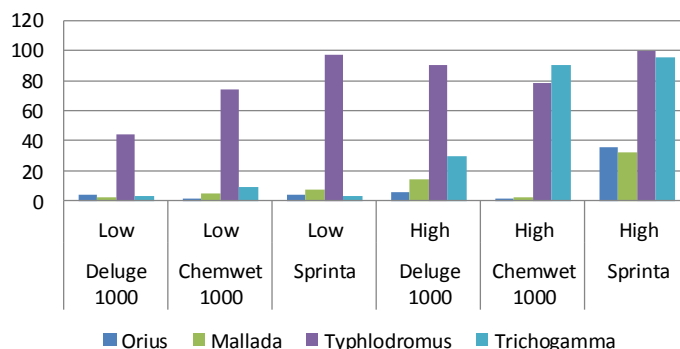
### Environmental Safety

#### Safety to Beneficial Insects and Mites

Deluge 1000 was compared for toxicity to various beneficial insects by directly spraying aqueous solutions at low and high label rates and assessing mortality after 48h.

Deluge 1000 is generally safer than other Wetting agents

#### Mortality After 48 Hours



- Orius Predatory Bug *Orius tantillus* (adult bug)
- Predatory Green Lacewing *Mallada signatus* (first instar larvae)
- Predatory Mite *Typhlodromus occidentalis* (adult mite)
- Parasitic Wasp *Trichogramma carverae* (adult wasp)

#### Aquatic Safety

Deluge 1000 is generally safer to aquatic organisms and beneficial insects than other agricultural wetting agents.

Product	Deluge 1000	Chemwet 1000	Sprinta Superwetter
Surfactant type	Fatty acid ethoxylate	Fatty alcohol alkoxyolate	Organosilicone
Aquatic hazard statement	Harmful to aquatic organisms	Toxic to aquatic organisms	Toxic to aquatic organisms

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