

# Octane

## Non-Ionic Extender, Sticker, Spreader

*Ensuring performance in adverse conditions*



### Product Overview

Octane significantly improves the retention and deposition of spray droplets onto the leaf surfaces. Containing 859g/L di-1-p-methene, it forms a polymer film helping hold the chemical spray droplet on the leaf under rain or irrigation events, optimizing the performance of your pesticide application under any adverse condition. Octane is a superior extending agent designed to enhance the useful life of plant protection products and fertilisers that you mix in your spray tank.

Octane is an emusifiable film forming polymer based on natural pinene that possesses similar properties to the leaf cuticle. This means Octane is soft on the cuticle and does not result in leaf burn as is often seen as a side effect of petrochemical based adjuvants & surfactants.

Octane provides penetration assistance combined with improved droplet lifetime making it ideal for use with both contact and systemic pesticides. Due to the natural polymerization of Octane, it provides protection not only under rainfall and irrigation events but also environmental concerns like wind, UV light and volatilization. The film produced by Octane on the leaf also has the ability to protect workers that have to re-enter the sprayed area that maybe sensitive to the chemical or the chemical vapour.

### Key Features

Significant Improvements in rainfast performance – supporting the pesticide to stay on the leaf surface regardless of rain or irrigation events.

- > Proven Extender – extends the performance of pesticide applications.
- > Natural product safe for applicators, the general public and the environment.
- > Improved spray deposition and spray retention.
- > Minimizes volatilization.
- > Compatible with most agricultural chemicals.
- > Extends droplet lifetime on the leaf surface.
- > UV degradation protection.
- > Ideal IPM partner in nursery and landscape situations.
- > Improved solubility versus some other pinene products.
- > Available in a convenient 5L pack size.

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Non-Ionic Extender, Sticker, Spreader

Formulated in Australia



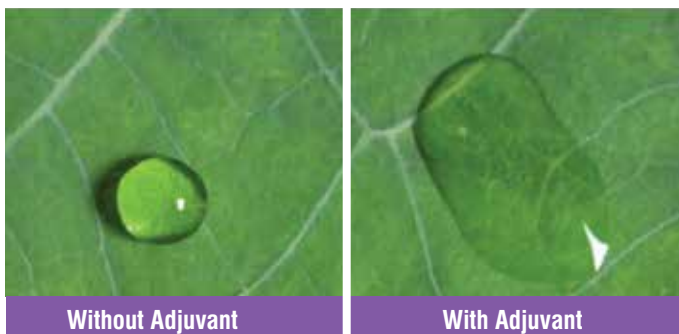
## Octane – Use Rates & Label Recommendations

PURPOSE	RATE	CRITICAL COMMENTS
<b>AS A STICKER</b> To control the life of the pesticide by forming a sticky elastic film that encapsulates and holds the pesticide on the plants foliage.	300mL/ha	Use up to the normal pesticide cut-off time.
<b>AS A SPREADER</b> Helps the pesticide spray spread out uniformly on hairy or waxy plant parts to get into cracks and crevices.	300mL/ha	Use up to the normal pesticide cut-off time.
<b>AS AN EXTENDER</b> To extend the time between sprayings of some pesticides by up to 7 days*.	1.2L/ha	Do not apply OCTANE within 30 days of harvest of food unless under specific spray applications. <b>Specific Applications Caution:</b> Octane can be used with Copper fungicides and tolerance exempt pesticides on Food Crops right up to harvest. The use of Octane on tolerance exempt pesticides close to harvest may result in visible residues on crops that may render them unsaleable. If this becomes a problem, the rate of Octane should be reduced or stopped altogether.

\*This is a guide only. The actual length of extension may vary depending on the type of pesticide used and climatic conditions after application.

## Octane Tank Mixing and Application Procedures

- > Always pre-mix Octane into an emulsion with water in a separate bucket before adding to the spray tank as the last ingredient.
- > Ensure the spray tank is at least half full, with the agitator running before adding the pre-mixed Octane. Maintain agitation whilst applying.
- > Observe good spraying practice and always flush out tank, nozzles and lines with fresh water immediately upon completion of spraying. **This is important to avoid residue in the tank.** Octane will not clog nozzles when the sprayer is next used.
- > If Octane deposits on surfaces such as windows, cars, application equipment or other surfaces where it is not desired, it can be removed with soap and water, before the spray deposit is dry, or with premium grade white kerosene after the film has dried or set. To remove dried deposits from painted car surfaces, use standard tar remover products designed for use on painted car finishes.



## Octane – Rate Conversion Chart

Application Water Rate per Hectare	Rate for Sticker & Spreader Activity (300mL/ha) per 100L	Rate for Extender Activity (1.2L/ha) per 100L
100L	300mL	1.2L
200L	150mL	600mL
300L	100mL	450mL
400L	75mL	300mL
500L	60mL	240mL
600L	50mL	200mL
700L	43mL	170mL
800L	37.5mL	150mL
900L	33mL	135mL
1000L	30mL	120mL

**Knapsack Rate:** Generally use 3mL of Octane per 5L of water for spreader & sticker activity and 9mL per 5L of water for extender activity.

**Handgun Rate:** Use 30mL of Octane per 100L of water for spreader & sticker activity and 120mL per 100L of water for extender activity.