

Optispread 1000

Non-Ionic Surfactant



A Non-Ionic Wetting and Spreading Agent formulated to increase spray contact, coverage and penetration of Herbicides, Fungicides and Insecticides

Product Overview

Optispread 1000 Non-Ionic Surfactant is a non-ionic wetter, spreader, penetrant, designed to improve the performance of agricultural chemicals.

Optispread 1000 Non-Ionic Surfactant is a general use non-ionic surfactant, containing 800g/L Nonyl Phenol Ethoxylates and 200g/L Diethylene glycol monobutyl ether.

It is registered for use with a broad range of herbicides including Paraquat and Diquat, Sulfonylurea's (eg. Duke, ProSedge, Recondo), Grass Selectives, Glyphosate and Hormone-based (eg 2,4-D & MCPA) products. Optispread 1000 Non-Ionic Surfactant is also registered to be used with Insecticides and Fungicides.

Key Features

- > Non-ionic surfactant. Doesn't have negative reactions with pesticide chemistry in the tank.
- > Suitable for use with a broad range of herbicides, insecticides and fungicides.
- > Low foam formulation, enhancing mixing and filling operations.
- > Improves spray solution wetting, spread and coverage.
- > Enhances spray droplet deposition.
- > Maximises plant protection performance.
- > Compatible with most agricultural chemicals, where the addition of a non-ionic surfactant or wetting agent is recommended.
- > Available in multiple pack sizes – 5L and 20L.



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Formulated in Australia



Optispread 1000 – Use Rates & Label Recommendations

PRODUCT TYPE	RATE PER 100 L OF SPRAY	CRITICAL COMMENTS
Paraquat and Diquat	50-120 mL	Rates will vary depending on volume of application and nature of target to be sprayed. Refer to product labels for specific use.
Sulfonylurea herbicides	100 mL	
Selective grass herbicides	200-250 mL	
Glyphosate	200-300 mL	
Hormone herbicides	10-15 mL	
Insecticides and Fungicides	100-200 mL	

Mode of Action

Optispread 1000 Non-Ionic Surfactant contains 800g/L Nonyl Phenol Ethoxylates and 200g/L Diethylene glycol monobutyl ether.

Nonyl Phenol Ethoxylate works by lowering the surface tension of droplets in spray solution. It aids by spreading the spray solution more evenly over the leaf surface area, ensuring better coverage of the plant protection product and as a result, enhancing uptake, improving deposition and maximizing overall performance.

The Diethylene glycol monobutyl ether component in the formulation, significantly reduces foam production in the tank improving efficiency in mixing and filling operations.

In addition to reducing foam production, Diethylene glycol monobutyl ether also lowers surface tension and has surfactant properties which aid in improved coverage and spread of spray solution.

Maximising Performance

- > Optispread 1000 is a non-ionic surfactant and is suitable for use with all types of herbicides, insecticides and fungicides. It is suitable for application from properly calibrated boom sprayers, misting machines, aircraft and knapsacks.
- > Thorough coverage is essential, but care should be taken to ensure run-off does not occur when using handheld equipment or knapsacks.
- > Optispread 1000 Non-Ionic Surfactant may be used with all products where the addition of a non-ionic surfactant or wetting agent is recommended.
- > Optispread 1000 Non-Ionic Surfactant mixes easily with water and should be added directly to the spray tank. It should not be added to undiluted sprays, concentrates or chemicals containing wetting agents.
- > Avoid contact with eyes and skin. When using this product wear rubber/PVC gloves, goggles and overalls. If product gets on skin wash area thoroughly.

