



SPECIALTY PRODUCTS

Spray Surfactant, Adjuvant & Additive Portfolio



Spray Surfactant & Adjuvant Portfolio

Proforce Manta Ray Surfactant

Active Ingredient: 350g/L Soyal Phospholipids
350g/L Propionic Acid

Manta Ray Surfactant is an aquatically approved adjuvant, specifically designed for use with aquatic based herbicides. Manta Ray acidifies the spray solution, reducing alkaline hydrolysis. It also improves droplet size consistency – reducing drift.

Applications: Use with aquatic herbicides and Agchem products that are sensitive to Alkaline hydrolysis eg. weak acid herbicides, Iprodione, Clofentezine, Glufosinate ammonium, Glyphosate.

Pack size: 1L, 5L, 20L

Rate	100mL-500mL per 100L of water
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Overtake Oil

Active Ingredient: 582g/L Paraffinic Oil
120g/L Nonyl Phenol Ethoxylate
120g/L Alcohol Ethoxylate

Crop Oil Concentrate (COC) based adjuvant and non-ionic surfactant blend to maximize spreading, wetting and penetration of grass, woody weed and non-selective herbicides.

Applications: Grass specific herbicides, non-selective herbicides, woody weed control herbicides.

Pack size: 20L

Rate	500mL-1L per 100L of water
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Proforce Scrubwet Surfactant

Active Ingredient: 1020g/L Polyether Modified Polysiloxane

Scrubwet is a specialty organosilicone based surfactant, which enhances herbicide performance and uptake on hard to kill weeds. Ideal for Woody weed and brush weed control operations.

Applications: Woody weed control herbicides, non-selective herbicides.

Pack size: 5L, 20L

Rate	50-200mL per 100L of water
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Octane Non-Ionic Extender Sticker Spreader

Active Ingredient: 859g/L Di-1-p Menthene

Octane is a non ionic sticking extending agent that improves retention and deposition of spray droplets, improves rain fastness and droplet lifetime. Octane protects against losses from UV, wind and volatilization.

Applications: Extends contact fungicide and insecticide activity. Excellent turf and ornamental safety, particularly with the Sulfonylurea herbicide family. Ideal for application with biological products.

Pack size: 5L

Rate	300mL-1.2L/ha
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Voltage MSO Spray Adjuvant

Active Ingredient: 700g/L Ethyl and Methyl Esters of Vegetable Oil with 116g/L Non-ionic Surfactants

Vegetable Oil Concentrate (VOC) based adjuvant and non-ionic surfactant blend to increase penetration through waxy cuticles, reducing spray droplet evaporation rates and wetting and spreading properties.

Applications: Mature grass weed control with herbicides such as Diclofop-methyl, Quinclorac, Foramsulfuron, Iodosulfuron Sodium Methyl and the Imidazolinone herbicide group. Excellent for application to mature weeds with well developed cuticle structures.

Pack size: 20L

Rate	500mL-1L per 100L of water
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Spray Additive Portfolio

Foam Aid

Active Ingredient: Dimethylpolysiloxane

Foam Aid is a special purpose foam suppressant which reduces excess foam in the spray tank. This reduces filling time and overflow waste, ensuring ease of preparation and limiting downtime so that spray operations can commence. Can be used both as a preventative or curative measure.

Pack size: 1L

Rate	20mL-60mL per 100L of water
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Indigo Red Spray Marking Dye

Active Ingredient: 675g/L Diethylene Glycol
150g/L Rhodamine B.

A red marker dye to assist in the identification of sprayed areas. When used as a foam marker colouring agent, white foam will become pink in colour to assist identification.

Pack size: 5L, 20L

Rate	50mL-100mL per 100L of water Foam Markers: 20mL-30mL per 10L of foam marker diluted mixture
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Silixol T&O

Active Ingredient: 2.7% Ortho Silicic Acid

Silixol T&O strengthens cell walls and shields turf and ornamental plants from abiotic and biotic stresses. Ideal for mixing with fungicides, insecticides and plant growth regulators to improve plant response and enhance performance.

Pack size: 1L

Rate	250mL-1L per hectare
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Indigo Blue Spray Marking Dye

Active Ingredient: 90g/L Sulphonated Aromatic Acid Blue

A blue liquid marking dye to assist in clearer identification of sprayed areas. A simple and cost effective system to reduce costly problems in over application in all spraying situations. When used as a colouring agent with white foam markers, foam will become blue in colour to allow clearer identification.

Pack size: 5L, 20L

Rate	100mL per 100L of water Foam Markers: 25mL-50mL per 100L of water
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Odour Aid

Active Ingredient: Methyl Salicylate

Odour Aid is an advanced formula for masking odour with pesticide formulations and other products. Odour Aid can be added to any mixture where odour may become offensive or detrimental to application.

Pack size: 1L

Rate	130mL per 100L of water
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Turf Aid

Active Ingredient: Pigment, Elicitor of Plant Response, Non-Ionic Surfactant

Turf Aid is a liquid additive used to act as a green visual spray aid which can assist in protecting turf against UV and excessive light intensity. The product also contains an elicitor of plant response enhancing turf immunity to stress conditions. Lastly the product contains an APG surfactant to enhance coverage and uniformity of the product. Ideal for mixing with Fungicide technology to maximise plant performance.

Pack size: 1L

Rate	300mL-1.2L per hectare
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ADJUVANT ACTIVITY GUIDE

Product	Acidifier (Alkaline Hydrolysis)	Antifoam	Deposition (Stick)	Drift	Droplet Lifetime Management	Penetrant	Spreader	Protection from UV & Wind	Water Conditioner	Aquatically Approved	Comments
Polymer Forming Compounds (OCTANE [^])			●	●	●	●*	●	●			Excellent Turf safety. Extends contact insecticide & fungicide performance.
Non-Ionic Surfactants			●				●				
Organosilicones (SCRUBWET [^])			●			●#	●				Super spreaders. Best for Woody Weed Control.
Crop Oil Concentrates (OVERTAKE OIL [^])			●	●	●	●	●				Useful addition for non-selective herbicides
Vegetable Oil Concentrates (VOLTAGE MSO [^])			●		●	●	●				Use lower rate in high temperatures.
Soyal Phospholipids, Propionic acid (MANTA RAY [^])	●		●	●		●*	●			●	Not all product needs acidification. Check Manta Ray product guide.
Ammonium Sulphate									●		Overcomes water hardness and may assist in uptake.
Defoamers (FOAM AID [^])		●									Reduces foaming in spray tank. Low rates of application required.

[^] Octane Sticker, Extender, Spreader. ProForce Scrubwet Penetrant Surfactant. ProForce Manta Ray Surfactant. Voltage MSO Spray Adjuvant. Overtake Oil. Foam Aid Foam Suppressant.

* Passive movement into the plant. Soft on plant's cuticle, as a result of organic foundations. #Forced movement into plant. Best for use in total weed control. ProForce is a registered trademark of Indigo Specialty Products Pty Ltd.

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