indigo
SPECIALTY PRODUCTS

Spray Surfactant, Adjuvant & Additive Portfolio







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Spray Surfactant & Adjuvant Portfolio

Cambium Biodegradable Carrier for Woody Weed Herbicides

Active Ingredient: Methyl Oleate (Canola Oil Methyl Ester)

Cambium is a biodegradable diesel replacement for use in combination with woody weed herbicide technology when conducting Basal Bark and Cut Stump operations.

Applications: Basal Bark: Liberally spray or paint the bark around the stem from ground level up to 30cm high, wetting thoroughly to the point of run-off (unless otherwise stated). Cut Stump: Apply mixture liberally to the freshly cut stump by spraying or painting the cut surface and sides of the stem (unless otherwise stated).

Pack size: 20L

Basal Bark or Cut Stump	
Access Herbicide	1L-4L/60L
Fluroxypyr 333g/L	1L-4L/60L
Triclopyr 600g/L	500mL-5L/100L

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

Optispread 1000 Non-Ionic Surfactant

Active Ingredient: 800g/L Nonyl Phenol Ethoxylate
120g/L Alcohol Ethoxylate

Optispread 1000 Non-ionic Surfactant is a non-ionic wetting and spreading agent formulated to increase spray contact, coverage and penetration of herbicides, fungicides and insecticides.

Applications: 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.

Pack size: 20L

Sulfonylurea herbicides	100mL per 100L of water
Selective grass herbicides	200mL-250mL per 100L of water
Glyphosate	200mL-300mL per 100L of water
Hormone herbicides	10mL-15mL per 100L of water
Insecticides & Fungicides	100mL-200mL per 100L of water

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

ProForce Monterey Surfactant

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

Monterey Surfactant is an aquatically approved adjuvant, specifically designed for use with aquatic based herbicides. Monterey 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

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

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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Formulated in Australia

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

Indigo Blue Liquid 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

Indigo Red Liquid 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

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

Silixol T&O

Active Ingredient: 2.7% Ortho Silicic Acid

Silixol T&O strengthens cell walls and shield's 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

Tank Aid Tank and Equipment Cleaner

Active Ingredient: Potassium hydroxide, Anti-corrosion compounds, Sequestering agents, Non-ionic and Ionic surfactants, Polydimethylsiloxane

Tank Aid can be used for cleaning of spraying equipment, for decontamination when changing from one agricultural chemical group to another and for end of season cleaning before storage.

Pack size: 1L

Routine Cleaning	600mL-1.2L per 200L of water
Removal of Residues	945mL per 100L of water
Removal of Stubbon Stains	90mL per 10L of water
For Backpack/Hand Held Sprayers	80mL-120mL per 10L of water

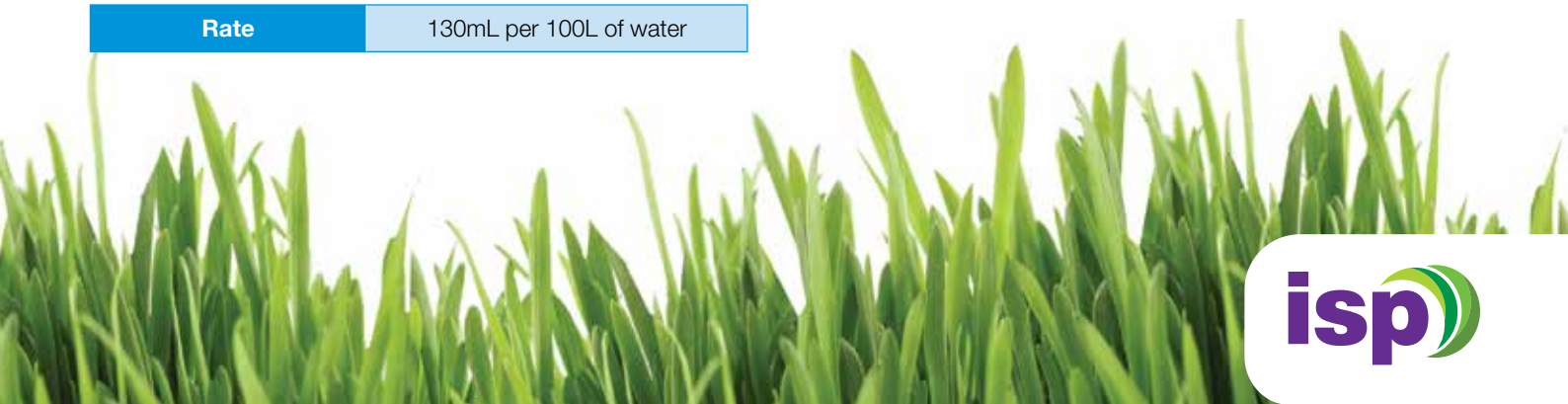
Turf Aid

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	Bio-diesal replacement	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 **(Optispread^)**				●				●				
Organosilicones **(Scrubwet^)**				●			●#	●				Super spreaders. Best for Woody Weed Control.
Crop Oil Concentrates **(Cambium, Overtake Oil^)**			●	●	●	●	●	●				Useful addition for non-selective herbicides
Vegetable Oil Concentrates **(Voltage MSO^)**				●		●	●	●				Use lower rate in high temperatures.
Soyal Phospholipids, Propionic acid **(Monterey^)**	●			●	●		●*	●			●	Not all product needs acidification. Check Monterey 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.

Full Adjuvant Product Names are as follows:
^ Octane Non-Ionic Sticker, Extender, Spreader. ProForce Srcubwet Penetrant Surfactant. ProForce Monterey 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.



Indigo Specialty Products Pty Ltd ABN 15 631 459 660
3/49 Donaldson Road, Rocklea, Qld Australia 4106
T: +61 491 201 694 • E: enquiries@indigospecialty.com • www.indigospecialty.com.au

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