

Your success, our science

Turf & Ornamental Product Catalogue



Your success, our science

+ Herbicides

Destiny® Selective Turf Herbicide

Versatile and unique selective herbicide controlling 8 key broadleaf weeds in a range of warm season turf varieties. Also provides excellent control of Onion Grass and Ryegrass and provides suppression of Winter Grass. Destiny provides excellent turf safety characteristics on the majority of warm season turfgrasses, whilst offering an impressive range of grass and broadleaf weed control capabilities.

Active Ingredient: 100g/L Iodosulfuron-Methyl-Sodium

Pack Size: 250g (5 x 50g sachets)

Rate per 100m²: 0.25-1.5g

Rate per hectare: 25-150g

Ronstar® Turf and Ornamental Herbicide

Ronstar is a unique and proven pre-emergent herbicide, with a novel mode of action. With its foliar uptake activity, it is unlike any other pre-emergent herbicide in that it does not have any impact on root development. This provides Ronstar with excellent properties for being used in containerised plant situations and in turf establishment. In addition, Ronstar is the standard in turf pre-emergent herbicides for Crowsfoot control and with its Group 14 mode of action plays an important role in rotation management to avoid resistance of key weeds.

Active Ingredient: 20g/kg Oxadiazon

Pack Size: 15kg

Rate per 100m²: 1.5-2.0kg

Rate per hectare: 150-200kg



Spearhead® Selective Herbicide

Spearhead is the leading broadleaf weed control option in the turf industry. With no odour and a high level of user and environmental safety, its unique three-way action provides effective, broad and extended weed control. Being the original and proven formulation, Spearhead is the answer to your broadleaf weed issues.

Active Ingredient: 20g/L Clopyralid, 15g/L Diflufenican, 300g/L MCPA

Pack Size: 10L

Rate per 100m²: 50mL

Rate per hectare: 5L

Specticle® Herbicide

Specticle Herbicide is a unique and innovative herbicide for warm-season turf that sets a new standard for pre-emergent weed control. It provides up to 8 months of pre-emergent control in warm season grasses. Specticle provides outstanding control of the three key annual grass weeds in turf: Winter grass, Crowsfoot grass and Summer grass as well as a range of broadleaf weeds. Activity against both summer annual and winter annual weeds makes it a versatile tool for all pre-emergent herbicide application windows throughout the year.

Specticle is also registered for application to bareground areas in settings such as ornamental production nurseries. It provides long term pre-emergent control of a range of grass and broadleaf weeds, allowing nursery managers to reduce labour costs associated with frequent post-emergent weed control applications, improving the efficiency and sustainability of weed management program.

Active Ingredient: 200g/L Indaziflam

Pack Size: 250mL, 1L

Rate per 100m²: 2.5mL

Rate per hectare: 250mL

Tribute® Selective Turf Herbicide

Tribute is the broadest and most efficient grass weed herbicide currently available in the turf industry. Providing outstanding control of Wintergrass, Ryegrass, Goose Grass, Crowsfoot, Paspalum and suppression of Kikuyu, when it comes to grass weed control, why use anything else?

Active Ingredient: 22.5g/L Foramsulfuron

Pack Size: 1L

Rate per 100m²: 15-20mL

Rate per hectare: 1.5-2L

Spot treatment rate: 8-15 mL/L water

Key Attributes of the Herbicide Portfolio

Product	Activity		Mode of Action Group	Formulation	Scheduling	Pack Size	Stable pH Range in spray Tank water	Foliar / Root Absorbed	Ideal Water Volume - Litres per 100m ²
	Pre Emergent	Post Emergent							
Destiny		+	2	Water Dispersible Granule	S5	250g	7-9	Foliar & roots	4-8
Ronstar	+		14	Granule	S6	15kg	N/A	Foliar	N/A
Spearhead		+	4,12	Suspension Concentrate	S5	10L	7-8	Foliar & roots	2-8
Specticle	+		29	Suspension Concentrate	S6	250mL, 1L	5-8	Root	2-5
Tribute		+	2	Oil Dispersion	S5	1L	7-9	Foliar	4-8

Solution table

Product	Broadleaf Weeds														Grass Weeds											
	Bindii	Bittercress	Cat's Ear	Capeweed	Cotula	Cudweed	Medic	Mouse Ear Chickweed	Oxalis	Onion Weed	Plantain	Spurge	Thistles	Trefoils	White Clover	Willow Herbs	Brome Grass	Crowsfoot Grass	Goose Grass	Kikuyu	Onion Grass	Paspalum	Ryegrass	Summer Grass	Winter Grass	
Destiny	+		+		+	+	+	+	+				+		+						+		+		+	
Ronstar		+							+			+	+	+		+		+							+	+
Spearhead	+		+	+		+		+		+					+											
Specticle	+			+			+			+					+	+	+							+	+	
Tribute																	+	+	+			+	+		+	



Your success, our science

+ Insecticides

Initiator® Systemic Plant Insecticide and Fertiliser

Initiator tablets provide enhanced growth and long-lasting protection against the damage caused by various insects that attack containerised, newly planted and established plants. The tablets are designed to be placed in the soil adjacent to plants or in the planting hole during transplanting of seedlings, so that the growing plant can take up the fertiliser and the systemic insecticide.

Active Ingredient: 200g/kg Imidacloprid

Fertiliser: NPK 5.6% - 5.4% - 4.2% + Mg 1.4%

Pack Size: 750g, 3kg

Rate for ornamentals: 1 tablet per metre of plant height

Rate for Eucalypts: 1 tablet per seedling tree

Merit® Turf and Ornamental Insecticide

Merit Turf and Ornamental Insecticide is a residual, systemic insecticide for the control of a wide range of insect pests in turf and landscape situations. In turf, Merit is the standard for Scarab and Billbug control. Being the original and proven formulation, Merit is the answer to your pest problems in turf. In landscape and ornamental plant situations, Merit is unmatched in its spectrum of control, being labelled for 14 difficult insect pest species.

Active Ingredient: 200g/L Imidacloprid

Pack Size: 5L

Rate per 100m² – Turf: 25mL

Rate per hectare – Turf: 2.5L

Rate for other plants: See label

Silvashield® Injectable Tree Insecticide

SilvaShield is an injectable insecticide formulation for trees. The unique formulation enhances systemic uptake and efficient distribution of imidacloprid in the tree allowing much lower rates of active ingredient compared to alternative application methods such as soil injection. A single treatment can provide extended protection against various insect pests with minimal impact on non-target organisms.

Active Ingredient: 200g/L Imidacloprid

Pack Size: 1L

Rate: 3-5mL product per 10cm diameter at breast height

Pandanus: 3.5mL per hole

Tempo® Xtra Turf and Ornamental Insecticide

Tempo Xtra is a unique dual mode of action insecticide designed to control tough pests in turf and ornamental situations. Registered for 9 pests in Turf and 12 pests in Ornamentals. Contains rapid knockdown (contact) and residual (systemic) chemistry, making it a versatile product that provides excellent protection for the plant.

Active Ingredient: 50g/L Imidacloprid, 25g/L Beta-cyfluthrin

Pack Size: 5L

Rate per 100m² – Turf: 20-50mL

Rate per hectare – Turf: 2-5L

Rate for ornamentals: See label

Tetrino® Turf Insecticide

Tetrino Turf Insecticide is a new insect control solution from Envu, offering an unmatched combination of performance, ease of use and efficiency. Delivering fast control and lasting protection against a broad-spectrum of turf insect pests with a low rate of active ingredient, Tetrino is the smart play for flexible and sustainable insect control. Tetrino controls insect pests in turf including on golf courses, sports fields, bowling greens, race tracks, recreational lawns and turf farms.

Active Ingredient: 42.8g/L Tetraniliprole

Pack Size: 3L

Rate per 100m²: 11.5-23mL

Rate per hectare: 1.15-2.3L

+ Nematicides

Indemnify® Turf Nematicide

Indemnify represents a new cornerstone in integrated nematode management programs for turfgrass. Indemnify is a ground-breaking, easy-to-use nematicide that controls key plant parasitic nematodes and improves root growth and turfgrass health resulting in better playability with improved wear tolerance.

Active Ingredient: 400g/L Fluopyram

Pack Size: 500mL

Preventative Rate per 100m²: 6.25mL

Curative Rate per 100m²: 12.5mL

Preventative Rate per hectare: 625mL

Curative Rate per hectare: 1.25L

(NB: Curative rate may only be applied to 25% of any turf area to be treated).

Key Attributes of the Insecticide Portfolio

Product	Activity						Mode of Action Group	Formulation	Scheduling	Pack Size	Stable pH Range in Spray Tank Water
	Contact	Systemic	Residual	Knockdown	Adulticide	Larvaecide					
Initiator		+	+		+	+	4A	Tablet	S5	750g, 3kg	N/A
Indemnify	+	+	+	+			NA	Suspension Concentrate	-	500mL	4-9
Merit		+	+			+	4A	Suspension Concentrate	S5	5L	4-8.5
Silvashield		+	+		+	+	4A	Soluble Concentrate	S5	1L	N/A
Tempo Xtra	+	+	+	+	+	+	3A / 4A	Suspension Concentrate	S5	5L	5-7
Tetrino	+	+	+	+		+	28	Suspension Concentrate	-	3L	4-7

Solution table – Turf

Product	African Black Beetle	Argentinian Scarab	Ants	Argentine Stem Weevil	Billbug	Cutworm	Couch Mite	Grasshoppers	Lawn Armyworm	Mole Crickets	Nematodes	Pruinose Scarab	Webworm
Merit	+	+			+							+	
Indemnify											+		
Tempo Xtra	+	+	+	+	+	+	+	+	+	+		+	+
Tetrino	+	+		+	+	+			+				+

Solution table – Ornamentals

Product	Aphids	Autumn Gum Moth	Bronze Orange Bug	Caterpillars	Chrysomelid Beetle	Elm Leaf Beetle	Fig Leaf Beetle	Flatid	Fullers Rose Weevil	Garden Weevils	Grasshoppers	Harlequin Bug	Hibiscus Flower Beetle	Lacebugs	Mealybug	Passionfruit Hopper	Psyllids	Sawfly	Scales	Scarabs (Curl grubs)	Thaumastococcus Bugs	Thrips	Whiteflies
Initiator	+	+			+									+	+		+			+			
Merit	+		+		+	+		+				+	+	+	+		+			+		+	
Silvashield						+	+	+						+				+			+		
Tempo Xtra	+			+						+	+		+	+	+	+	+	+				+	+

**Your success,
our science**



+ Fungicides

Banol® Turf and Ornamental Systemic Fungicide

Banol is a reliable, proven systemic fungicide which is highly effective in controlling Pythium diseases. It delivers fast curative activity of Pythium as well as strong preventative protection. Ideal product to use in combination with Signature Xtra Stressgard Systemic Turf Fungicide to fail safe your Pythium program.

Active Ingredient: 600g/L Propamocarb

Pack Size: 1L

Rate per 100m²: 45-65mL

Rate per hectare: 4.5-6.5L

Chipco® GT Fungicide

Chipco GT Fungicide is an improved, advanced formulation of Iprodione, proven to provide rapid disease control of a range of key turf diseases. When knockdown disease control is required, there is nothing quicker than Chipco GT. Chipco GT is also registered for the control of Botrytis blight in ornamentals.

Active Ingredient: 240g/L Iprodione

Pack Size: 5L

Rate per 100m²: 100-200mL

Rate per hectare: 10-20L

Ornamental rate: 215mL/100L water

Dedicate® Turf and Ornamental Fungicide

Dedicate is a highly effective turf and ornamental fungicide, providing dual modes of action and featuring both contact and systemic activity. Dedicate is long lasting and has few limitations on when it can be used in your fungicide program.

Dedicate is strong on a range of landscape plant diseases, including Myrtle Rust, Azalea Petal Blight and Powdery Mildew in a large range of ornamental plant species.

Active Ingredient: 200g/L Tebuconazole, 100g/L Trifloxystrobin

Pack Size: 1L

Rate per 100m²: 20-30mL

Rate per hectare: 2-3L

Ornamental rate: 75-150mL/100L water

Reserve® Stressgard Turf Fungicide

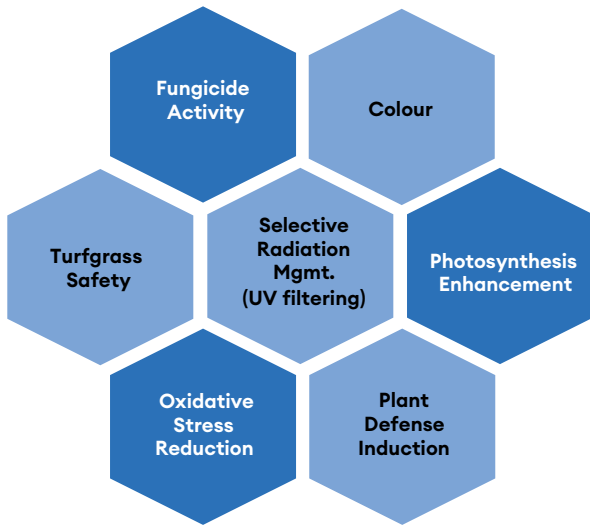
Reserve Stressgard Turf Fungicide is a contact and protectant fungicide for the control of fungal diseases in turf. A unique product made with Stressgard Formulation Technology, use of Reserve Stressgard in a program with Signature Xtra Stressgard, Dedicate FORTE Stressgard, Interface Stressgard and Exteris Stressgard, promotes stronger turf and maintenance of optimal playing conditions even through high stress periods.

Active Ingredient: 720g/L Chlorothalonil

Pack Size: 10L

Rate per 100m²: 130-240mL

Rate per hectare: 13-24L



Stressgard Formulation Technology (FT) is composed of active ingredients, inert ingredients and Envu’s advanced formulation technology which combine to improve the ability of Envu fungicides to deliver excellent turf quality above and beyond disease control.

Envu fungicides formulated with Stressgard FT are proven to give outstanding disease control while alleviating plant stresses, ultimately improving turf quality, density, colour and playability.



Signature Xtra Stressgard® Systemic Turf Fungicide

An innovative Signature formulation with new and improved Stressgard Formulation Technology components and an optimized active ingredient that delivers improved disease control, plant health performance and application flexibility for turf managers. Provides preventative control of pythium and anthracnose.

Active Ingredient: 600g/kg Fosetyl-Aluminium

Pack Size: 2.75kg

Rate: 5.5kg/ha = 55g/100m²
11.0kg/ha = 110g/100m²
16.5kg/ha = 165g/100m²

Dedicate FORTE Stressgard® Turf Fungicide

Dedicate FORTE Stressgard is a new, broad-spectrum fungicide from Envu. It is the first DMI fungicide with Stressgard Formulation Technology and controls tough soil borne and foliar fungal diseases in both cool and warm season turfgrass. Dedicate FORTE Stressgard offers a new powerful solution for: Targeted early season preventative applications for soil-borne diseases such as Fairy ring and Take-all patch; Spring knockdown of disease inoculum, assisting overall seasonal management of key diseases like Dollar Spot, Brown Patch and Anthracnose; Fast and thorough curative control of key summer diseases such as Anthracnose.

Active Ingredient: 240g/L Tebuconazole

Pack Size: 1L

Rate per 100m²: 35mL

Rate per hectare: 3.5L

Exteris Stressgard® Turf Fungicide

This fungicide innovation from Envu has you covered, providing outstanding broad-spectrum disease control, turf quality and application flexibility. Contains a unique SDHI active ingredient as well as Leaf-Cote and Stressgard® Formulation Technology.

Active Ingredient: 12.5g/L Fluopyram, 12.5g/L Trifloxystrobin

Pack Size: 5L

Rate per 100m²: 100mL

Rate per hectare: 10L

Interface® Stressgard Turf Fungicide

A powerful turf fungicide which delivers fast and thorough disease control leading to visibly healthier turf. Contains a unique combination of contact and mesostemic action to prevent, cure and eradicate diseases such as dollar spot, brown patch and fusarium. Made with Stressgard Formulation Technology, Interface promotes stronger turf and maintenance of optimal playing conditions even through high stress periods.

Active Ingredient: 256.4g/L Iprodione, 16g/L Trifloxystrobin

Pack Size: 5L

Rate per 100m²: 125mL

Rate per hectare: 12.5L

**No matter what
play on**

Consistency Flexibility Versatility

Key attributes of the Fungicide Portfolio

Product	Activity		Mode of Action Group	Formulation	Scheduling	Pack Size	Stable pH Range in Spray Tank Water	* Ideal Water Volume – Litres per 100m ²
	Systemic	Contact						
Banol	+		28	Soluble Concentrate	S5	1L	6-8	4-8
Chipco GT		+	2	Suspension Concentrate	S5	5L	4-5	4-10
Dedicate	+	+	3 & 11	Suspension Concentrate	S5	1L	5-7	4-8
Dedicate FORTE Stressgard	+		3	Suspension Concentrate	S5	1L	5-9	4-16
Exteris Stressgard	+	+	7 & 11	Suspension Concentrate	S5	5L	4-8	4-8
Interface Stressgard		+	2 & 11	Suspension Concentrate	S5	5L	4-5	4-8
Reserve Stressgard		+	5	Suspension Concentrate	S6	10L	4-9	4-8
Signature Xtra Stressgard	+		33	Water Dispersible Granule	S5	2.75kg	4-5	4-8

* When targeting disease infection in the roots, irrigation should be applied following application to move the active ingredient to the rootzone.

Solution table

Product	Situation																							
	Turf														Ornamental Plants									
	Anthraco	Bipolaris	Brown Patch	Curvularia	Dollar Spot	Drechslera	ERI	Fairy Ring	Fusarium	Gray Leaf Spot	Helminthosporium	Leptosphaerulina	Pythium	Rust	Spring Dead Spot	Take All Patch (Gaeumannomyces spp.)	Azalea Petal Blight	Botrytis Blight	Damping Off	Downy Mildew	Leaf Spot	Myrtle Rust	Powdery Mildew	Rust
Banol													+						+					
Chipco GT		+	+		+	+			+		+				+			+						
Dedicate	+	+	+	+	+	+	+		+		+	+		+	+		+	+		+	+	+	+	+
Dedicate FORTE Stressgard	+	+	+		+	+		+	+	+	+			+		+								
Exteris Stressgard		+	+		+	+			+	+	+			+										
Interface Stressgard		+	+		+	+			+	+	+			+										
Reserve Stressgard			+		+					+														
Signature Xtra Stressgard	+												+											

ALWAYS READ THE LABEL BEFORE USE

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Banol®, Chipco® GT, Dedicate®, Dedicate FORTE Stressgard®, Destiny®, Exteris Stressgard®, Indemnify®, Initiator®, Interface® Stressgard, Merit®, Reserve® Stressgard, Ronstar®, Signature Xtra Stressgard®, Silvashield®, Spearhead®, Specticle®, Tempo® Xtra, Tetrino® and Tribute® are Registered Trademark of 2022 Environmental Science AU PTY LTD
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