

SUNDEW PEST MANAGEMENT PROFESSIONAL PRODUCT BULLETIN

DELTA PRO[®]

25 SC Professional Insecticide

DeltaPRO[®] 25 SC is a high quality, high performance insecticide formulation that combines the potency and powerful residual action demanded by pest management professionals with the safety which consumers demand.

What is DeltaPRO[®] and how does it work?

DeltaPRO[®] 25 SC utilises the active ingredient deltamethrin which is a general purpose insecticide molecule based on a synthetic derivative of naturally occurring pyrethrum.

DeltaPRO[®] has a very high level of safety for technicians and your clients when used at approved use rates.

DeltaPRO[®] contains deltamethrin, the most powerful single-isomer pyrethroid insecticide available.

DeltaPRO[®] affects a specific part of an insects nervous system which is more susceptible to deltamethrin than humans, other mammals and birds.

Because of its chemical properties and profile, deltamethrin has a number of important uses worldwide including the fight against malaria carrying mosquitoes (as an indoor/outdoor spray and also for the treatment of mosquito bed nets). DeltaPRO[®] also carries these use pattern registrations in Australia.



High quality aqueous suspension concentrate formulation.

No hydrocarbon solvents so no odour.

Very high margin of safety when used according to label.

Rapidly acts on insects to give fast knockdown and kill.

Sundew satisfaction guarantee the product will not sediment in its original container.



Effective against most domestic and commercial pests.

Available in 1 L chamber pack and 5 L jerry can value pack.

Readily broken down in the environment to non-toxic metabolites.

Excellent residual activity indoors and outdoors.

Non volatile, non flammable.

Potent residual activity both indoors and outdoors.

Formulation

DeltaPRO[®] contains the active ingredient deltamethrin which is considered to be one of the most active of the synthetic pyrethroids of the single molecular isomer compounds.

Optimal performance is achieved because there are no other isomers (with lower activity) in the active ingredient.

Superior formulation

DeltaPRO[®] carries the Sundew unconditional replacement warranty if the product shows any sedimentation in its original container.

A little bit goes a long way

DeltaPRO[®] has a very low use rate of application and provides the

ideal balance between performance and product safety which is required by today's modern pest management professional.

Specifications

Product name:

DeltaPRO[®] 25 SC Insecticide

Active Ingredient:

deltamethrin

Concentration: 25 g/L

Formulation Type:

Suspension Concentrate

Chemical Compound:

Synthetic-pyrethroid

Packaging:

1 L chamber pack and 5 L jerry can value pack

Distribution:

Available through your local chemical reseller.

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INNOVATIVE SOLUTIONS

DELTA PRO®

25 SC PROFESSIONAL INSECTICIDE

25 SC Professional Insecticide

DeltaPRO® 25 SC Deltamethrin Insecticide is an essential part of every Professional Pest Manager's toolkit.

DIRECTIONS FOR USE

Restraint: DO NOT apply spray treatment outdoors if rain is imminent

SITUATION	RATE	PEST	CRITICAL COMMENTS
Domestic, commercial, industrial and public buildings: - including food processing establishments, shops, factories, ships, offices, schools, storerooms, hospitals, barracks, private houses and external areas associated with such establishments	Initial or cleanout rate 60 mL Maintenance rate 30 mL		For use on non-porous surfaces: dilute with 5 L of water and apply as a course spray at a rate of 5 L per 100 m ² not exceeding the point of run-off. For use on porous surfaces or for use through power equipment: dilute with 10 L of water and apply per 100 m ² of surface not exceeding the point of run-off.
		Cockroaches	Conduct a thorough inspection and apply to known and potential cockroach harbourages. A barrier application around areas where cockroach infestations may be originating is also suggested.
		Web spinning spiders	Spray spiders, their webbing and areas where spiders may hide. It is recommended that webbing is left in place for a few days after spraying to optimise efficacy.
		Non-web spinning spiders	Spray areas where spiders are known to occur.
		Bed bugs	Apply to the bed-frame and walls, cracks, crevices and skirting boards in the vicinity of the bed. May also be applied to the edges and seams of the mattress but do not treat the flat surfaces which people sleep on.
		Ants	Where possible locate the nest and spray directly into nest entrances. Penetration of insecticide can be assisted by pre-wetting sandy and porous soils with water. A thorough soaking treatment is required to destroy the nest. Alternatively, infested areas can be sprayed.
		Fleas	Clean and vacuum infested areas and dispose of dust collected in the garbage in a sealed plastic bag. Lightly spray infested areas concentrating on areas under furniture, etc. Treat pets with a suitable registered flea control product. The use of an Insect Growth Regulator is considered a useful supplementary treatment for flea control. See note on application to carpets.
		Silverfish	Direct spray to areas of potential infestation eg under skirting boards and furniture where dark conditions may favour silverfish populations.
		Carpet beetles	Apply to infested carpets particularly in areas of little or no traffic and underneath windows where adult beetles may be entering the building. See note on application to carpets.
		Clothes moths	Spray surfaces in areas where clothes are stored. Do not spray the clothes.
Bird mites	Treat infested areas. Inspect roof voids and remove any bird nest material.		
Mosquito bed-net treatment	(Synthetic mosquito net) 16 mL in 0.5 L of water (Cotton mosquito net) 16 mL in 2 L of water	Mosquitoes and sandflies	Spray surfaces where flies and mosquitoes are known to come to rest. Flies – include external surfaces that are exposed to the morning sun. Mosquitoes – spray walls, awnings, fences and vegetated areas near buildings. Note: the perception of the level of control of flying insects achieved within any given area treated with a residual surface spray will be affected by the extent of migration of individuals from external untreated areas. A residual spray will only control those insects that alight on the treated surfaces and therefore complete elimination of flying insects from the treated area should not necessarily always be expected.
		Stored product insect pests	The use of this product for the control of stored product pests should be considered part of an integrated strategy to prevent development of insect populations. Best results will be obtained where good hygiene is maintained. Infested areas should be cleaned before spraying and regularly cleaned thereafter to reduce food sources for pests. When treating for beetle pests, pay special attention to sheltered areas such as cracks and crevices, under furniture and equipment, floors, walls and shelves. Adult moths can be controlled by applying this product to walls and surfaces where the adult flying moths come to rest.
Cul flowers for export	100 mL/100 L water	Quarantine pests	Flowers must be totally submerged in the diluted product for not less than 1 minute and then left to dry naturally for 2 hours.
For short term protection of freshly felled pine logs prior to debarking	40 mL in 10 L water	Five-spined bark beetle (<i>Ips grandicollis</i>)	Apply by knapsack or power sprayer at the rate of 10 L per 100 square metres of surface area. For best results, apply promptly after felling or sawing operations.
For short term protection of freshly felled logs, poles, posts and sawn timber including <i>in situ</i> timbers		Beetle family <i>Anobiidae</i> Beetle family <i>Bostrychidae</i>	

DeltaPRO® Superior Quality Formulation

DeltaPRO® 25 SC is a high quality suspension concentrate formulation with a very small particle size for optimum contact and efficacy with insects.

90% of the active ingredient particles are smaller than 10 microns in diameter.

DeltaPRO is suitable for treating all surfaces and gives improved residual activity compared to EC insecticide formulations on porous surfaces such as unpainted brick,

concrete blocks, timber or fibrous cement.



Three modes of activity

Contact - Contact via a direct spray with DeltaPRO kills insects quickly. However, most insects will not deliberately crawl over, or land on residual deposits of DeltaPRO.

Residual - DeltaPRO provides a protective residual barrier on treated surfaces.

Repels - DeltaPRO repels insects from crawling over or landing on treated surfaces.



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