MAXUM PRO®
136 SC INSECTICIDE

Maximum flushing action

MaxumPRO SC will flush pests out of their hiding places making the infestation very visible. This serves to impress the client about the size of the problem and helps PCO's locate cockroach harbourages.

Effective against pests

MaxumPRO SC is registered and effective against cockroaches, spiders, ants, fleas, flies, silverfish, clothes moths, carpet beetles, bed bugs, mosquitoes and stored product pests.

Long residual life

The hardest pest to control is the German cockroach. Independent field trials have shown excellent results with over 90% control even after 18 weeks.

The great all-rounder

MaxumPRO SC is effective against just about every general pest control problem and can be mixed in the sprayer for the whole day's work. This reduces mixing time and any spray mix left over can be used on the next job. MaxumPRO SC can be used in all types of accounts, from domestic to commercial, indoors and outdoors, so on many days a pest management professional will not need any other insecticide spray. This makes MaxumPRO SC the professional pest manager's GREAT ALL-ROUNDER.

Product Specifications

Product name:
MaxumPRO SC Insecticide
Active Ingredient:
Beta-cyfluthrin
Concentration: 125 g/L
Formulation Type:
Suspension Concentrate

DIRECTIONS FOR USE

SITUATION	RATE	PEST	CRITICAL COMMENTS
Mealworks (non-product areas), farm buildings, food processing establishments, shops, offices, factories, storerooms, hospitals, schools, barracks, houses, ships, rubbish tips			On non-porous surfaces, apply at a rate of 5 L of prepared spray per 100 m^2 not exceeding the point of run-off. On porous surfaces or for use through power equipment, apply at a rate of 10 L of prepared spray per 100 m^2 not exceeding the point of run-off.
	Initial or cleanout rate 4 mL/L Maintenance rate 2 mL/L	Cockroaches	Conduct a thorough inspection and apply spray to known and potential cockroach harbourages. A barrier spray around areas where cockroach infestations may be originating is also suggested. Repeat application as required. Where application of a spray is not suitable, it is recommended that a registered cockroach gel be used.
		Web spinning spiders	Spray spiders, their webbing and areas where spiders may hide. Leave webbing in place for a few days to optimise efficacy.
		Non-web spinning spiders	Spray areas where spiders are known to occur.
		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 with insecticide mixture is required to destroy the nest. If nest cannot be located then spray infested areas.
		Fleas	Clean or vacuum infested areas and dispose of the collected dust in the garbage in a sealed plastic bag. Lightly spray all infested areas concentrating under furniture, etc. Treat pets with a registered flea control product. See note on application to carpets.
		Flies and mosquitoes	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.
		Silverfish	Spray areas of potential and existing infestations eg under skirting boards and furniture where dark conditions may favour silverfish populations. If spraying inside cupboards or storage areas, remove clothing and utensils, etc before spraying.
		Clothes moths	Spray surfaces in areas where clothes are stored. DO NOT spray the clothes.
		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.
		Bed bugs	Apply to the bed frame and walls, cracks, crevices and skirting boards in the vicinity of the bed.
		Stored product 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 prior to application 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 spraying walls and surfaces where the flying moths come to rest.
Rubbish tips	Knockdown spray 1 mL/2 L	Flies	Spray surfaces of rubbish. Apply 200-300 mL of spray/m^2.

MaxumPRO® carries the Sundew unconditional replacement guarantee if the product shows any sedimentation in its original container.

Chemical Compound:
Synthetic-pyrethroid
Scheduling: S6 (Poison)
Packaging:
500 mL twin necked plastic bottle with measuring chamber

Want to know more?

To find out more about the innovative formulation differences of CPT and TRS visit our informative website at www.sundewsolutions.com.au

Available from:

™Controlled Particle Technology is a registered tradename of Sundew Solutions Pty Ltd.
™Transigel Rheology System is a registered tradename of Sundew Solutions Pty Ltd.

Superior formulation, superior results!

MAXUM PRO®
125 SC Professional Insecticide

The NEW innovation in Formulation Technology



Designed and engineered from the ground up specifically for the modern pest manager, MaxumPRO® is effective against just about every general pest control problem - indoors and out. MaxumPRO® has an effective flushing action, good knockdown properties, and a long-lasting residual life. NOW with Controlled Particle Technology™ and Transigel Rheology System™.

MaxumPRO® 125 SC - Taking pest control to a NEW level with Controlled Particle Technology™ and Transigel Rheology System™ - The best that money can buy.

MAXUM PRO 125 SC INSECTICIDE

MaxumPRO® 125 SC Concentrate Insecticide - the GREAT all-rounder

MaxumPRO 125 SC is available in a user friendly 500 mL pack with measure chamber.

MaxumPRO is the pest manager's all-rounder because it is effective against many pests, it has an effective flushing action, good knockdown properties and a long-lasting residual life.

It is stable in sunlight, high temperatures and on alkaline surfaces. It can be used both indoors and outdoors; in domestic, industrial, commercial and government premises. MaxumPRO is odourless and stable in sunlight, alkaline conditions and in high temperatures.

MaxumPRO offers the pest management professional a very sensible and reliable tool without endangering the well being of the clients, their pets and their properties. This makes MaxumPRO the pest manager's all-rounder!

Locally Made

Our products are not made in China, India or any other developing nation where labour is cheap and quality is suspect. We are proud that all Sundew products are locally made in ANZ with parts of the manufacturing process performed in Australia for all products.

Active Ingredient

MaxumPRO is labelled to contain 125 g/L beta-Cyfluthrin as the active ingredient. At Sundew we feel strongly that you should get what you pay for so we guarantee that each bottle of MaxumPRO will contain more than 125g/L beta-Cyfluthrin when it comes out of the manufacturing plant, unlike other products on the market who could contain as little as 117.5 g/L. , which is 6% less! Beta-cyfluthrin is virtually insoluble in water and binds to organic matter in the soil.

Can be used indoors and outdoors.

One 500 mL container makes 125 L of full strength solution.

Is stable in sunlight, UV alkaline conditions and in high temperatures.

Is virtually insoluble in water and binds to organic matter in the soil.

Superior suspension concentrate formulation with innovative new technologies.

Low mammalian toxicity.

Highly concentrated.



Highly purified active ingredient.

Long residual activity.

No odour.

Excellent flushing action.

Non-flammable.

Effective against a wide range of domestic and commercial pests.

No stains or visible residues.

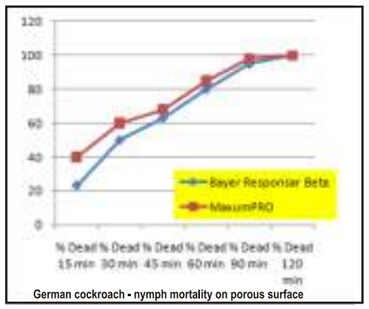
Easy to measure dosing pack.

More concentrated spray means less waste.

Unique Controlled Particle Technology™ and Transigel Rheology System™.

Formulation

Why a suspension concentrate? MaxumPRO 125 SC is formulated as a suspension concentrate. Therefore it has the good handling properties of an EC and the biological activity of a WP formulation. It is water-based and non-flammable. MaxumPRO SC is not classified as dangerous goods with the respect to transport on land and storage. There is no smell. The active material remains on the treated surface and is readily available to be picked up by pests.



German cockroach - nymph mortality on porous surface

It Just Works!

This is what we hear most often about why pesties like MaxumPRO so much. MaxumPRO is formulated in a unique and innovative way, unlike other SCs available. The science behind this



incredible product needs more explanation:

CONTROLLED PARTICLE TECHNOLOGY™

1. Our studies have shown that very small particles (10,000ths of a mm) provide a rapid knockdown and flushing effect, while the larger particles typically found in an SC (100ths of a mm) provide the best residual control on all surfaces. Sundew has targeted the optimum mix of both particle sizes using a unique approach called **Controlled Particle Technology™**. This is unlike any other Suspension Concentrate product on the market which is manufactured to an average particle size (if at all).

TRANSIGEL RHEOLOGY SYSTEM™

2. **Transigel Rheology System™** is a novel thickening system which is not used by any other pesticide manufacturer in the world. The thickener forms a transient network throughout the product so that when at rest the product behaves like a solid. As soon as the bottle is tipped this network is broken allowing the product to flow with a very low viscosity. This provides a product which is guaranteed never to sediment in the pack while having superior dilution properties when added to the spray tank.

On occasion this transient network builds up over time and domains may not be broken when a bottle is mixed due to dead spaces. This can give the product a non-uniform appearance but rest assured the network is shattered and product performs as it should as soon as it hits the water in a spray tank.

Proven Performance

MaxumPRO's equivalent has been developed and proven in New Zealand for three years prior to releasing it into Australia. In this time it has risen quickly to be the leading beta-cyfluthrin product in the market.

A little bit goes a long way

MaxumPRO SC is a concentrated 12.5% formulation. One 500 mL container makes up to 250 litres of solution. This makes it much more economical than other synthetic pyrethroid sprays.

Easy to measure

The 500 mL plastic bottle comes with a twin neck measure chamber to allow simple and accurate dosing.

MaxumPRO Safety and the Environment

Toxicity

Based on internationally recognised data and rules for calculating toxicity of mixtures the acute toxicity data for the formulation is:

Oral LD50 rat	1108 mg/kg
Dermal LD50 rat	>5000 mg/kg
Inhalation LD50 rat	800 mg/m3

These numbers are of a similar magnitude to other pyrethroid SCs, but because MaxumPRO has such a low use rate the toxicity of a spray mix is much less than most other products.

Avoid Skin contact

Transient irritation of the skin of the mucous membranes may occasionally occur on contact with the spray or the concentrate. To minimise contact with spray mist use a lower pressure setting on your hand sprayer. Gloves and a face shield should be worn when preparing the spray. After each day's use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Low toxicity to mammals and birds

MaxumPRO SC has a relatively low toxicity for mammals and birds and is rapidly excreted if ingested. Beta-cyfluthrin like other pyrethroids is toxic to fish and aquatic invertebrates. Aquarium or fish tank air filter pumps must be switched off. Do not pollute waters with empty containers or surplus spray.

Beta-cyfluthrin is toxic to bees. Earthworms are unaffected at recommended rates.

MaxumPRO Biological Properties

Effectiveness at very low doses

MaxumPRO SC is highly active and will control the broad spectrum of public health pests at very low rates. It acts mostly as a contact insecticide but also has stomach poison activity. It penetrates waxy insect cuticle very rapidly, resulting in a quick knockdown of the pest.