

# STARRdust<sup>®</sup> PRO

Better Performance. Better Value.

TECHNICAL  
BULLETIN

NUMBER

07

Starrdust<sup>®</sup>PRO is a ready-to-use broad spectrum insecticide dust with a unique dual active formulation. It controls a wide range of insect pests including cockroaches, silverfish, spiders, ants, fleas, carpet beetles, bed bugs, European wasps, feral honey bees, bird mites, subterranean termites, hide beetles, and **3 new pests** - millipedes, woodlice and clothes moths.

## At last, a genuinely different industrial strength dust for pest management

New Starrdust<sup>®</sup>PRO is the only dual active dust in the world combining an IGR (insect growth regulator) with double strength permethrin 40:60cis. Starrdust<sup>®</sup>PRO is revolutionary in pest management because it combines a powerful knockdown adulticide as well as a long lasting IGR larvicide.

Starrdust<sup>®</sup>PRO is the ideal tool for Pest Managers to treat hard to reach places and areas where a liquid cannot be used.

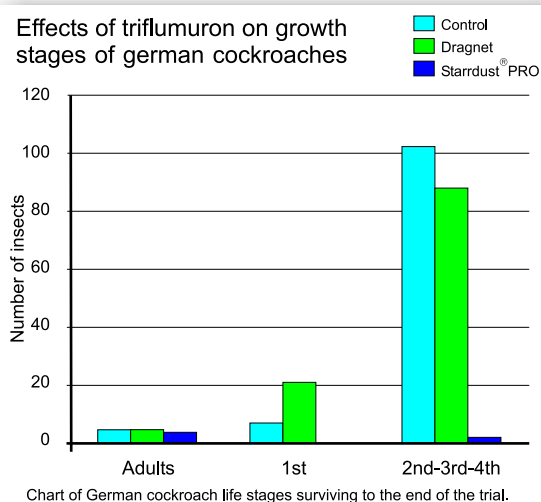
The Pest Manager's customer often has high expectations. With Starrdust<sup>®</sup>PRO the Pest Manager can offer unprecedented results not seen by current products on the market. Starrdust<sup>®</sup>PRO provides rapid knockdown and the long term control expected by the customer.

## Starrdust<sup>®</sup>PRO - use with great confidence

Starrdust<sup>®</sup>PRO contains the powerful insect growth regulator - triflumuron. Starrdust<sup>®</sup>PRO can be used with great confidence in cracks and crevices, roof and wall voids, under houses and inside electrical appliances.

Starrdust<sup>®</sup>PRO has great flowability, excellent flushing action, fast knockdown and long residual action. Field trials have shown that Starrdust<sup>®</sup>PRO is effective up to one year.

Effects of triflumuron on growth stages of german cockroaches



**Provides rapid knockdown and effective long term control up to 12 months.**

## Starrdust<sup>®</sup>PRO - very effective against pests

Starrdust<sup>®</sup>PRO is very effective against cockroaches, silverfish, spiders, ants, fleas, carpet beetles, bed bugs, European wasps, feral honey bees, bird mites, subterranean termites, and hide beetles. Listening to Pest Managers, Sundew have also added 3 NEW pests not on any dust in the Australian market: millipedes, woodlice (slaters) and clothes moths.

## Starrdust<sup>®</sup>PRO - breaks resistance

Resistance in cockroaches has been recorded in Australia. Resistance has increased over the years. Starrdust<sup>®</sup>PRO has a double action active, groups permethrin 40:60 cis 20 g/kg (pyrethroid - GROUP 3A) **PLUS** triflumuron 5 g/kg (IGR - GROUP 15A). Research demonstrates the use of different chemical groups will reduce the risk of resistance developing.

GROUP 3A 15A INSECTICIDE

## Starrdust<sup>®</sup>PRO - contains triflumuron (IGR)

Standard pyrethroid dusts are not very effective on nymphs and larvae. Starrdust<sup>®</sup>PRO is very effective on nymphs and larvae because it contains triflumuron. Triflumuron is an IGR (insect growth regulator). The triflumuron in Starrdust<sup>®</sup>PRO works as a chitin synthesis inhibitor. Triflumuron prevents the proper formation of the cuticle in the early stages of nymphs and larvae. This results in their early death when they moult because they do not develop an outer skeleton.

## Starrdust<sup>®</sup>PRO - contains double strength permethrin 40:60 cis

Starrdust<sup>®</sup>PRO contains 20 g/kg permethrin 40:60 cis (most dusts on the market only contain 10 g/kg of 25:75 permethrin). This double strength 20 g/kg gives Starrdust<sup>®</sup>PRO an excellent knockdown and flushing action when first applied. The double strength permethrin in Starrdust<sup>®</sup>PRO will kill the adult insects while the triflumuron (IGR) will kill the nymphs and larvae over a long time. Sundew Starrdust<sup>®</sup>PRO is the only dust in the Australian market with this double action of active ingredients.





## Starrdust®PRO - breaks the cycle

Because most products work on adults and juveniles and not on eggs it is common to find the population of an insect decline rapidly after treatment but then recover some weeks later. This is because the eggs have hatched and the juveniles subsequently repopulate the treated areas. With Starrdust®PRO you can get long term control because it contains triflumuron which is an insect growth regulator (IGR) of the chitin synthesis inhibitor group. IGR's are renowned for their safety and efficacy. The triflumuron in Starrdust®PRO targets the emerging juvenile pests as they hatch from their eggs preventing them from moulting during their life cycles. In this way Starrdust®PRO gives long lasting control with a different mode of action. When others have given up Starrdust®PRO is still working!

## Starrdust®PRO - the game changer

Starrdust®PRO has been proven to be an excellent control of breeding insects in housing and commercial premises. Being a dust it can be used in those places where electrical components make the use of liquid sprays unsafe. These places have been shown to be the major source of reinfestation by insects, particularly cockroaches.

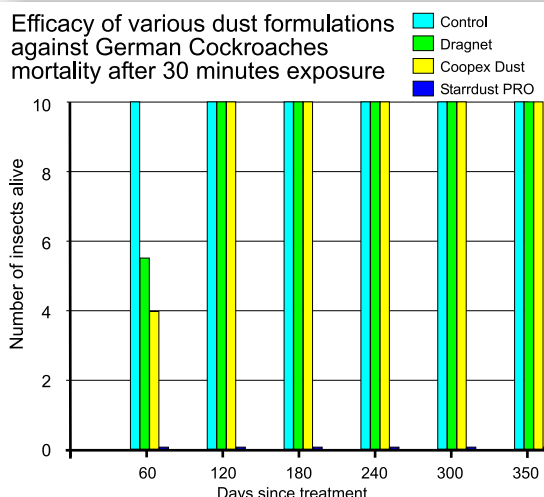
Starrdust®PRO firstly flushes out and then knocks down much of the adult population. It then provides lasting, safe control of the juveniles that arise afterwards. Starrdust®PRO keeps working when others have long since fallen over.



## Starrdust®PRO - Product Specifications

<b>Active constituents:</b>	Double strength permethrin 20 g/kg 40:60 cis <b>PLUS</b> triflumuron 5 g/kg
<b>Formulation type:</b>	Dusting Powder
<b>Use rate:</b>	5 g/m <sup>2</sup> applied with powder blower
<b>Chemical group:</b>	Pyrethroid sodium channel activator / IGR Chitin synthesis inhibitor
<b>Schedule:</b>	Caution
<b>Pack size:</b>	10 kg square bucket with easy access flip-top lid

Efficacy of various dust formulations against German Cockroaches mortality after 30 minutes exposure



After 350 days Starrdust®PRO in laboratory trials shows 100% mortality of German cockroaches on treated surfaces after 30 minutes exposure.

## New Starrdust®PRO - the key to effective pest management

What makes new Starrdust®PRO genuinely different from other dust products?

Features	Benefits
Non Repellent formulation	Insects won't know what hit them until it's too late Superbly effective
Dual Active: Permethrin + Triflumuron	Combines the power of an Adulticide PLUS Larvicide
3 NEW pest claims unique to StarrdustPRO: millipedes, woodlice and clothes moths	The most comprehensive dust on the market
2 active ingredients, 3 NEW pest claims and competitive price	BEST value for money dust on the market!
Pleasant 'clean' fragrance	Use with confidence
Fast knockdown, excellent flushing action with Long term control up to 12 mths	Designed to give you instant results to impress your clients Use with confidence
Double strength permethrin 40:60 cis (20 g/kg) halves the volume of dust needed to be applied to an area	Less mess means happier clients!
Highest quality pharmaceutical grade talc	Maximum performance, maximum results - happy customers!
Made in Australia	Invest in your Country's future.

**Now pest management professionals can unlock the future of insecticidal dusting. New Starrdust®PRO gives you the key.**

## Starrdust®PRO - a perfect partner

We recommend the use of Sundew DeltaPRO® and MaxumPRO® in partnership with Starrdust®PRO Insecticidal Dusting Powder Industrial Strength for all commercial, domestic, general and specialty pest treatments.



**3 NEW  
Pest  
Claims**



Woodlice



Clothes moths

## Where to use:

- ✓ Roof voids
- ✓ Under houses
- ✓ In sub-floors
- ✓ Cracks & crevices
- ✓ Electrical appl.
- ✓ Commercial appl.
- ✓ Hard to reach areas
- ✓ Every GPC treatment
- ✓ Where resistant populations of insects suspected



**Neil Raw - Innovative Pest Control SA Adelaide:**

"In 35 years of pest management I've never seen a dust do what this dust does. I was gobsmacked! Starrdust®PRO is the way dusts should have been for the past 35 years!"

WWW.SUNDEWSOLUTIONS.COM.AU