

ANTagonist^{PRO}

Professional Non Repellent Residual Ant Insecticide

TECHNICAL BULLETIN

A suspension concentrate containing a revolutionary **NEW Polymer Enhanced Bifenthrin** formulation. **ANTagonistPRO** is NON-Repellent with the added features of rain-fasteners, UV Energised as well as the innovative **Smart Kill Technology™** for colony eradication. For use in external treatment of nuisance ants by professional pest managers.

At last, a genuinely different ant control product

New **ANTagonistPRO** contains a totally new polymer enhanced bifenthrin active with these unique properties custom built in specifically to treat nuisance ants:

- non repellent formulation
- Rainfast
- UV energized
- Rapid knock down during first 72 hours
- Season long ant control
- Smart Kill Technology™



Controlling ants in a genuinely different way.

ANTagonistPRO is a product that is designed for ants. It contains the uniquely formulated polymer enhanced bifenthrin. Rapid uptake ensures maximum efficacy and therefore maximum protection. **ANTagonistPRO** has been custom designed to control nuisance ants in six unique ways:



1. Non Repellent Formulation

Proprietary technology in **ANTagonistPRO** slows down the speed of kill of the active ingredient bifenthrin, so that knockdown and death is no longer instant upon contact. This has been optimised to interrupt the ability for ants to communicate the presence of the active ingredient, so ants continue trailing over a sprayed site. This effect has been thoroughly demonstrated in independent field trials and observed by pest managers field testing the product across Australia.



2. Added Rain Fasteners

Special polymers and sticking agents have been incorporated into **ANTagonistPRO** to provide rainfastness for light to moderate rainfall. The formulation binds active ingredient to the substrate it is applied to in order to prevent wash-off during rainfall events.



3. UV Energised

During rainfall the additives in **ANTagonistPRO** form a protective cocoon to prevent the active ingredient being washed away. After rainfall, UV present in ordinary sunlight will remove a layer from this protective cocoon to re-expose fresh active ingredient to passing ants - continuing the pick-up and kill of workers and the colony.



4. Rapid Knock Down following the first 72 hours of application

The proprietary technology altering the speed of kill has been tuned exactly so that a rapid knockdown occurs in the first 72 hours after application without creating a repellent effect. This gives a visual effect of dead ants over the first 72 hours, which is important to your customers. This effect has been thoroughly demonstrated in independent field trials.

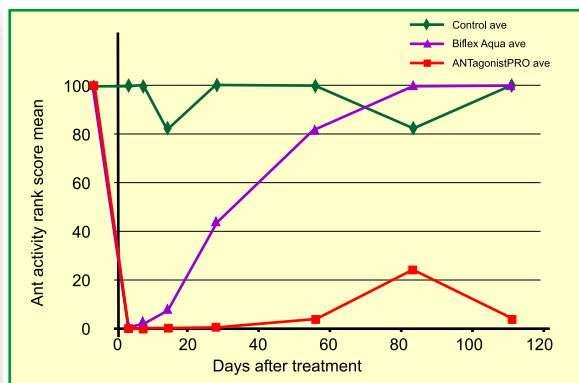


5. Season Long Ant Control

The active ingredient, bifenthrin, is specifically formulated to provide an increased life span over other pyrethroid products in the market today. Co-formulants and manufacturing techniques have been designed to give increased residual control



Concrete tile treated with **ANTagonistPRO** with ant food source placed in the middle - ants readily track to food source and are not repelled as would normally happen with synthetic pyrethroids.



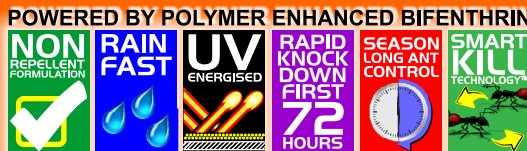
Trial results from in field assessment in Sydney NSW against black house ant. After 30 days Biflex Aqua Max showed poor performance and at 60 days was equivalent of the control (ie Biflex Aqua Max had failed to control ants). **ANTagonistPRO** was suppressing ant activity still at 112 days. Note: at 84 days there was a rain event and you can observe that **ANTagonistPRO** efficacy improved after this event. This is the effect of the UV energised particles doing their job.



NUMBER

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even in alkaline conditions, after rainfall and high UV exposure. Altogether **ANTagonistPRO** provides season long ant control. A series of in-house and customer trials have confirmed the impressive life expectancy of **ANTagonistPRO** in even the harshest of environments, such as tropical Australia.



6. Smart Kill Technology™

After 72 hours the active ingredient is picked up by passing ants and through social interaction is taken back to the nest, which dramatically reduces the nest population, and potentially eliminating it completely. An additional outcome is a reduction of foraging ants inside and outside of the application zone as a result of the reduced nest size and collective response to the mortality occurring in the nest, the source of which is unknown to the ants. The resulting elimination of ant colonies is called **Smart Kill Technology™**.

Redefining the way Ant products are formulated

ANTagonistPRO is unlike any other bifenthrin or pyrethroid formulation anywhere in the world. The manufacturing process is unique and differs markedly from a traditional bead mill as is done with all other Suspension Concentrates. A number of components in the formulation are incompatible with each other if combined separately, and significant research has gone into developing a formulation that will contain all of these components in the same bottle without falling apart. **The result is ANTagonistPRO.**

How SAS PRO and ANTagonistPRO Work Together

Although **SAS PRO** and **ANTagonistPRO** utilise similar undetectable technology to control ants, each product attacks pests on different applied surfaces.

SAS PRO as a granular insecticide was designed to be applied onto broken or irregular surfaces such as garden beds, between pavers, along kerbing, around shrubs and trees, potted plants, ant trails, nests etc.

ANTagonistPRO as a spray application has been engineered to outlast and outperform all other insecticides when applied to concrete, paths, driveways, external walls, trees, fencing, ant trails, nests etc.

The two products used in partnership together have demonstrated season long ant eradication when used as a perimeter treatment program in field trials and real world applications by pest managers in some of the most extreme conditions in Australia.

ANTagonistPRO Specifications

- Handy 1L squeeze measure pack or 5 L Bulk Jerry
- Polymer-enhanced bifenthrin formulation
- Ideal for concrete, paths, driveways, brickwork, trees, timber, fibre-board, ant trails and nests
- Available to professional pest managers only
- Controls nuisance ants including but not limited to black house ant, white footed ants, odorous garden ants, and pavement ants
- It is recommended that **ANTagonistPRO** be used in a dedicated non-repellent tank or ensure that equipment used is free from contaminants
- AQIS statutory declaration for **ANTagonistPRO** is available at www.sundewsolutions.com.au
- Read label and directions for use before applying this product
- Use rate of 15mL per L mix rate for all ant situations
- **ANTagonistPRO** is compatible with baiting programs

New ANTagonistPRO - the key to effective ant management

What makes new **ANTagonistPRO** genuinely different from other ant products?

Features	Benefits
Non Repellent formulation	Ants won't know what hit them until it's too late Compatible with baiting
Rainfast	Highly effective, long-lasting protection
UV Energised	After ANTagonistPRO has been exposed to rain and then UV the particles are 're-invigorated' giving renewed efficacy and control
Rapid knock-down first 72 hours	Designed to give you fast results to impress your clients
Season long ant control	Use with confidence
Smart Kill Technology™	Through social interaction ANTagonistPRO is transferred from one ant to another resulting in localised colony elimination
Registered for the treatment of nuisance ants	Sugar, protein, oil or carbohydrate feeding ants - it doesn't matter anymore. ANTagonistPRO controls the lot!

Now pest management professionals can unlock the future of ant control. New ANTagonistPRO gives them the key.



ANTAGONIST PRO IS IDEAL FOR:

