READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SYNERGY® PRO

ANT BAIT

ACTIVE CONSTITUENT:
3.65g/kg HYDRAMETHYLNON
2.5g/kg PYRIPROXYFEN

GROUP **7C** **20A** INSECTICIDE

For the control of a range of ants in domestic, commercial and agricultural situations as per the Directions for Use table.

GENERAL INSTRUCTIONS

MODE OF ACTION

Synergy®Pro Ant Bait contains two active ingredients with two different modes of action. Ant workers pick up the bait granules and take them back to the colony or imbibe oil (containing the active ingredient) from the granules. Workers feed the bait or collected oil to both the queen and immature ants. Hydramethylnon is a metabolic inhibitor blocking the production of energy and causing lethargy and slow death of affected ants over several days. Pyriproxyfen is an Insect Growth Regulator, similar to the naturally occurring insect growth hormones, which interferes with their growth and development. Synergy®Pro Ant Bait breaks the reproductive life cycle of ants, causing starvation of the colony thereby preventing worker replacement. Due to degeneration of reproductive organs, the ant queen cannot lay viable eggs and replace workers. The lack of worker replacement results eventually in colony death as the existing worker ants age and die. Within weeks there is substantial colony mortality resulting from the effect of Hydramethylnon and within eight weeks the colony has been eliminated as a result of Pyriproxyfen affecting remaining reproductive queens.

NOTES ON ANT BIOLOGY

Ant colonies may vary seasonally and daily in their foraging habits and food requirements. At various times of the year and particularly after heavy rain, colonies may limit foraging for food to concentrate on other colony activities such as brood maintenance and colony relocation. Some species also cache food in the nest and may not be receptive to particular types of food at various times. For instance it is known that some species (eg. Solenopsis) may have a preference for lipids (oils) immediately after winter but they become less dependent later in the season. Where alternative high quality food is available, some ant colonies may avoid bait. This has been noted for large meat ant colonies that are focused on honeydew producing insects in nearby vegetation. Alternative treatment methods may be required in these circumstances.

Most ant species only forage in mild temperatures (15-25°C), ceasing foraging when conditions become too cold or too hot. Ant communities also display clear dominance hierarchies, resulting in only one or a few species obtaining bait when multiple species are present simultaneously. Ants are also known to become bait-shy if exposed to bait too frequently.

Such factors may affect the uptake of and performance of bait products.

APPLICATION

Synergy®Pro Ant Bait may be laid utilising either hand held spreaders, spreaders attached to motor vehicles or aerial application. All spreading equipment should be calibrated on a regular basis to ensure that the permitted rate per hectare is achieved and not exceeded.

Synergy® Pro Ant Baitshould be applied in the early spring or summer at the first sign of ant activity. Application is most effective when ants are actively foraging. Avoid application if rain is expected within 6 hours. **DO NOT** water treated areas for at least 24 hours after application.

INSECTICIDE RESISTANCE WARNING

GROUP **7C** **20A** INSECTICIDE

For insecticide resistance management Synergy® Pro Ant Bait is both a Group 7C and 20A Insecticide.

Some naturally occurring insect biotypes resistant to Synergy® Pro Ant Bait and other Group 7C and/or 20A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Synergy® Pro Ant Bait or other Group 7C and/or 20A insecticides are used repeatedly. The effectiveness of Synergy® Pro Ant Bait on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Sumitomo Chemical Australia Pty Ltd accepts no liability for any losses that may result from the failure of Synergy® Pro Ant Bait to control resistant insects.

Synergy® Pro Ant Bait may be subject to specific resistance strategies. For further information contact your local supplier, Sumitomo Chemical Australia Pty Ltd representative or local department of agriculture agronomist.

WARNING
Should not be used in areas accessible to children.

PROTECTION OF LIVESTOCK
DO NOT graze any treated area; or cut for stock food.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
Very toxic to aquatic life. **DO NOT** contaminate streams, rivers or waterways with the product or used containers.

Pyriproxyfen is highly toxic to fish and aquatic invertebrates. **DO NOT** apply Synergy® Pro Ant Bait from application equipment or under meteorological conditions that favour direct entry of Synergy® Pro Ant Bait into water or areas where surface water is present, or to intertidal areas below the mean high water mark. Run-off from treated areas may be harmful to aquatic life in neighboring areas. **DO NOT** apply in buffer zones surrounding treatment areas.

Avoid exposure to terrestrial arthropods such as land crabs. Apply only in areas of high density with zero or low crab density. **DO NOT** apply more than one application per year to areas where land crabs may occur.

STORAGE AND DISPOSAL
Store in the closed original container, in a dry, cool well-ventilated area, out of direct sunlight.

Triple, or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots.

If recycling, replace cap and return clean containers to recycler ore designated collection point.

If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500mm below surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. **DO NOT** burn empty containers or product.

SAFETY DIRECTIONS
When preparing product for use by aerial application, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a disposable dust face mask covering mouth and nose. When using the product by hand-held spreaders, wear cotton overalls, over normal clothing, buttoned to the neck and wrist. Wash hands after use. After each day's use wash contaminated clothing.

FIRST AID
If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126, New Zealand 0800 764 766.

SMALL SPILL MANAGEMENT
Sweep up material and contain in a refuse vessel for disposal in the same manner as for containers (see Storage and Disposal).

MATERIAL SAFETY DATA SHEET
Additional information is listed in the Material Safety Data Sheet (MSDS).

IMPORTANT NOTICE
These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

APVMA Approval No: 67965/57192

In a Transport Emergency **Dial 000** **Police or Fire Brigade**	**SPECIALIST ADVICE IN EMERGENCY ONLY** **1800 024 973** **ALL HOURS - AUSTRALIA WIDE**

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DIRECTIONS FOR USE
RESTRAINTS:
DO NOT apply by hand dispersion methods.
DO NOT apply directly onto water.
For ground applications, **DO NOT** apply within 8m of water.
DO NOT apply within 20m of water when applying by aerial application. Turn off/close the granular applicator during aerial application when over, or within 20m, of water.
DO NOT apply as a preventative measure for ant control.
DO NOT apply if rain is expected within 24 hours of application.
DO NOT apply more than two applications per year with at least a 4-week interval.

SITUATION	PEST	RATE	CRITICAL COMMENTS
DOMESTIC AND PUBLIC SERVICE AREAS, COMMERCIAL AND INDUSTRIAL AREAS, FORESTS AND NON CROP AREAS. (including gardens, golf courses, lawns, parks, turf, sports grounds, plant nurseries)	Nuisance and tramp ants such as: **Red Imported Fire Ant** (*Solenopsisinvicta*) **Tropical Fire Ant** (*Solenopsisgeminata*) **Bigheaded Ant (Coastal Brown Ant)** (*Pheidole* spp.) **Argentine Ant** *(Linepithemahumile*) **Yellow Crazy Ant** (*Anoplolepisgracilipes*) **Black Ants** (*Iridomyrmex* and *Ochetellus* spp.) **Electric Ant** *(Wassmanniaauropunctata)* **Singapore Ant** (*Monomorium destructor*) and other *Monomorium* spp. **Pony Ants (incl. Green Ants)** (*Rhytidoponera* spp.) **Meat Ants*** (*Iridomyrmex* spp.) **Tyrant Ants** (*Iridomyrmex* spp.) **Green Tree Ants** (*Oecophyllasmaragdina*) **Longlegged Ants** (*Paratrechina* spp.) **Sugar Ants** (*Camponotus* spp.) **Pennant Ants** (*Tetramorium* spp.)	2-4 kg per hectare	Bait may be laid utilising either hand held spreaders, spreaders attached to motor vehicles or aerial application. All spreading equipment should be calibrated on a regular basis to ensure that the permitted rate per hectare is achieved and not exceeded. In Tropical regions and for very dense infestations, the higher rate of 4kg may be required. A second application may be required 4-8 weeks following the initial application to ensure all colonies receive an adequate dose Do not apply within 8 m of waterways when using ground based equipment, or within 80 m of waterways when applying from aircraft. ***(See Notes on Ant Biology)**

NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.