



DANGER • KEEP OUT OF REACH OF CHILDREN
Ecotoxic. Shake well before use.



Key Industries

Protecting people, crops and native species

Biff Ant[®]

Insecticide

GENERAL INFORMATION

A residual insecticide for the exterior control of ants and cockroaches around dwellings and footpaths. Suitable for use on all surfaces including lawns, gardens, bark, soil, concrete, asphalt and exterior walls.

ACTIVE INGREDIENTS

Contains 80g/litre Bifenthrin in the form of a suspension concentrate.

Biff Ant[®] is the registered trademark of Key Industries Ltd



Manufactured & Distributed by
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Biff Ant®

Read label before use. Do not handle until all safety precautions have been read and understood.

Not for agricultural use. Not for indoor use. Not to be used on exterior surfaces where food for human consumption is being produced.



RECORD KEEPING:

A person in charge of this substance must ensure that a written record is kept of each application or discharge of the substance if more than 3kg is applied or discharged within 24 hours in a place where:

- a) members of the public may lawfully be present; or
 - b) the substance is likely to enter air or water and leave the place.
- A record must be kept for not less than 3 years after the date on which the substance that the record relates to is applied or discharged.

Refer to Hazardous Substances (Hazardous Property Controls 2017, section 48).

TOXICITY:

THIS SUBSTANCE MAY BE HARMFUL IF SWALLOWED (Oral Category 4); Repeated minor exposures may have cumulative effects. Do not inhale the vapour or spray mist. Do not eat, drink or smoke while using this product. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work. Wash contaminated clothing before reuse. MAY CAUSE ORGAN DAMAGE from repeated oral exposure at high doses (Category 2).

MAY CAUSE SERIOUS EYE DAMAGE (Category 1). MAY CAUSE MILD SKIN IRRITATION AND ALLERGIC SKIN REACTION (Category 1). Avoid contact with eyes and skin. Facial skin contact may cause temporary facial numbness.

ECOTOXICITY:

VERY TOXIC TO AQUATIC ORGANISMS WITH LONG LASTING EFFECTS (Acute/Chronic Category 1) and with long lasting effects. DO NOT contaminate any water supply with chemical or empty container. DO NOT spray over or allow to drift over an aquatic environment.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply into or onto water.

HAZARDOUS TO THE SOIL ENVIRONMENT.

HAZARDOUS TO TERRESTRIAL VERTEBRATES such as birds and reptiles.

HAZARDOUS TO TERRESTRIAL INVERTEBRATES. Do not apply substance to plants if bees are foraging; or the plants are in flower or part flower.

STORAGE: Store in the original container tightly closed and in a locked, dry, cool and well-ventilated area – well away from ignition sources and foodstuffs. Storage must be generally in accordance with NZS8409.

PERSONAL PROTECTION

When mixing or applying, wear eye protection, face protection, respiratory protection, chemical resistant gloves (e.g. PVC or neoprene), chemical resistant boots, waterproof hat and cotton overalls buttoned to the neck and wrist. When applying this product above 1m height an approved half/full face filter respirator for organic vapours should be worn. When spraying Biff Ant below 1m height use a P2 disposable facemask as minimum respiratory protection.

DISPOSAL

Triple rinse empty container and add rinsate to spray tank. Do not burn empty container that has not been rinsed. Recycle triple rinsed containers through an approved recovery scheme, eg Agrecovery. Otherwise, crush or puncture and bury in a suitably approved landfill. Dispose of this product only by using according to the label, with an approved waste disposal company or treat so that it is no longer hazardous and then dispose of safely in a managed landfill. Do not burn the product.

Dispose of equipment cleaning water onto ground away from susceptible crops and plants.

SPILLAGE

Exclude all bystanders, prevent material entering waterways and coming into contact with other products. Wear appropriate protective clothing to clean up spills. Absorb spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material and place in waste containers. Wash area with a bleach solution (sodium hypochlorite) then absorb any remaining liquid with further inert material. Dispose of waste with an approved waste disposal company.

FIRST AID

If medical advice is needed, have product container or label at hand. If swallowed do not induce vomiting and seek medical advice. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If splashed in eyes, remove contact lenses if present and easy to do, flush eyes with water for at least 15 minutes and see a doctor urgently. If inhaled, move victim to fresh air immediately. If breathing has stopped, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water and soap. If skin irritation occurs seek medical advice.

NOTICE

Important: You must read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal and after disposal) then return the unopened product to the supplier at once.

Warning:

This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the **Hazardous Substances and New Organisms Act 1996**) and with the directions provided. Key Industries Limited declines all liability whether in contract, tort (including but not limited to negligence), (or otherwise), to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz).

This product is warranted to contain the specified active ingredient within accepted analytical tolerance when packed.

Contains <10% ethoxylated alcohols.

HSNO Approval Code: HSR100534

MPI Approved for use in Dairy Processing.

MPI Approved Type B (all animal products except dairy).

UN Number: UN3082, Environmentally Hazardous Substance, Liquid, NOS

DC Class 9

Packing Group: III

PEEL
HERE



AGRECOVERY

www.agrecovery.co.nz



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DIRECTIONS FOR USE:

Biff Ant forms a non-repellent residual control barrier for a variety of insect pests and ant species. It is suitable for use in all outdoor areas e.g. paths, driveways, gardens, around dwellings, industrial sites and public areas including roadside curbing and footpaths. Use as a spray on outdoor surfaces only such as lawns, gardens, bark, soil, concrete, asphalt and exterior walls. Provides residual control of Argentine Ants for up to 8 weeks depending on the nature of surface treated.

APPLICATION RATE:

Pest	Rates per 5 Litres of water	COMMENTS
Argentine and Darwin Ants	75mls	Spray trails, ant swarms and large areas surrounding nest sites. Thoroughly inspect the area surrounding the nest for presence of further colonies as these species form interlinked Super Colonies with many queens. Spray entire infested area.
Black House ant, White footed House Ant, <i>Iridomyrmex</i> . Coastal Brown ant and other Ant species.	50-75mls	Apply to nest sites and trails outdoors. Also, to exterior walls where ants are trailing. Repeat as necessary.
Sucking insects: eg Aphids, Scale Insects and Mealy Bugs on ornamental trees and shrubs (non-food crop applications)	75mls	Thorough coverage is required (ie both sides of the leaves) to get good control of sucking insects. These species produce honey dew which will be obvious as a sticky residue or by sooty mould growing on the sweet substrate. Controlling these sucking insects is an important aspect of effective ant management, as ants actively feed on the honey dew they produce.
Thrips on ornamentals eg Rhododendron and camelia.	75mls	Thorough coverage is required (ie both sides of the leaves) to get good control of thrips. Preventative applications are best as leaf silvering is permanent. Damaged leaves may take several months to fall off.
Earwigs <i>Dermaptera</i>	75mls	Earwigs are mostly nocturnal and often hide in small, moist crevices during the day, and are active at night, feeding on a wide variety of insects and plants and can cause a considerable amount of damage to ornamental species. The excellent residual, non-repellent activity of Biff Ant will provide control of these nocturnal species even when sprayed during the day.
Gisborne Cockroach, <i>Drymaplaneta semivittata</i> and <i>Drymaplaneta heydeniana</i> , NZ native cockroaches and other Cockroach species eg. <i>Celatoblatta vulgaris</i>	75mls	Exterior control of cockroaches around house and decking / BBQ areas and firewood storage areas. Treat harbourage areas close to house such as gardens with layers of fallen leaves and litter under trees and shrubs.
Spiders (all species incl White tailed and false widow spider)	50mls	Exterior control of spiders on surrounds of domestic, commercial, public and industrial buildings and structures and control of unsightly web building species on hedges and topiary shrubs.
Centipedes <i>Chilopoda</i> , Millipedes eg <i>Ophiulus pilosus</i> incl Portuguese Millipede <i>Ommatoiulus moreleti</i> , and Slaters <i>Porcellio scaber</i> , and <i>Armadillidium vulgare</i>	75mls	Treat under hiding places (eg wooden sleepers, pot plants and decorative garden objects) as well as surrounding areas. Residual activity may be reduced on damp surfaces. Bark gardens may be best treated with Biforce Granular Insecticide.
Adult mosquitos (all species)	75mls	Treat mosquito harbourages such as hedges, and shrubbery. Also treat the shaded exterior sides of houses and under decks and patios. Treat alfresco dining and exterior lounge furniture such as deck chairs.
Fleas and ticks	75mls	Exterior surfaces of buildings surrounds including foundations, verandas, window frames, eaves, patios, pet housing, soil, turf and areas where these pests congregate.
Paper wasps	75mls	Apply spray directly to paper wasp nests. Soak spray mix through the nest and contact as many wasps as possible. Once adult Wasps have been knocked down the nest may be safely removed.
Flies	75mls	Exterior walls and all exposed surfaces where flying insects may rest.
Field crickets Including <i>Teleogryllus Commodus</i> , <i>Bobolia</i> species.	75mls	Treat lawns in summer when crickets are abundant, particularly the areas around cracks where crickets hide that appear in dry conditions. Treat hard surfaces and gravel areas under lighting where crickets congregate at night.
Springtails <i>Hypogastrura</i> sp. and clover mites <i>Bryobia praetiosa</i> Koch	50-75mls	Clover mites. Treat lawns, paths and the lower exterior walls of buildings where mites are swarming. Interiors of houses should be treated with Recruit or Key Delta Aqua. Treat Springtails when they swarm (usually in damp places). Do not treat swarms of Springtails floating in swimming pools or fishponds. Only treat swarms in standing puddles following rain if there is no risk of runoff into water systems. Reduced residual activity may be achieved on damp surfaces.

Ensure that a minimum of 5 litres of spray liquid is applied per 100sqm of surface area. On some surfaces a higher spray volume will be required to obtain good coverage. Maximum application rate is 75ml per 100sqm surface area.

Always pre-mix Biff Ant prior to adding to sprayer. Sprayer must be cleaned after use. Rinse lines, tank and nozzles thoroughly.

Ensure sprayer is residue free before use or dedicated to Biff Ant use only.

Take care not to apply spray drift to windows. If spray has dried, clean spray deposit using a solvent such as turpentine or kerosene. Do not apply on exterior surfaces where food for human consumption is being produced.

Not for agricultural use.