

Waarskuwings / Warnings

Hanteer versigtig. Gebruik geskikte handskoene en oogbeskerming tydens vermenging. Werk in goed geventileerde omgewing. Tydens bespuiting dra masker. Hierdie produk moet slegs onder toesig van professionele persone gebruik word. Hou buite bereik van kinders en oningeligte persone.

Handle with care. Use proper gloves and eye protection when mixing. Work area must be ventilated well. During application wear proper mask. This product should be applied under supervision of a professional person. Keep away from children and uninformed persons.

Although this product has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be effective under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the insect against the remedy concerned, as well as by **the method, time and accuracy of application**. The registration holder furthermore does not accept responsibility for damage to crops vegetation the environment or harm to man or animal due to failure of the user to follow the label instructions or to the occurrence of conditions that could not have been foreseen by the registration holder.

This is an input product for bio-dynamic and organic agriculture and the efficiency is enhanced by management style suited for these farming practices.

Consult the distributor in the event of any uncertainty or contact the

Voorsorgmaatreels / Precautions

· Vermoed inaseming van spuitnewel. · Was hande na gebruik en spoel oë met skoon lopende water uit vir ten minste 15 minute. · Maak spuitapparaat skoon na gebruik en raak van waswater ontslae waar dit nie gewasse, weiding, riviere en damme sal besoedel nie. · Spoel leë houder driekeer uit met 'n volume water gelykstaande aan 'n tiende van die van die houder en voeg die spoelwater by die inhoud van die spuit-tenk voordat die houder op die voorgeskrewe manier van ontslae geraak word. · Vernietig die leë houder deur plat te slaan en gate in te maak. · Moet nie leë houder vir enige ander doel gebruik nie. · Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei. · Prevent inhalation of spray mist. · Wash hands after use and before eating, drinking and smoking. · In case of eye contact rinse eyes with clean running water for at least 15 minutes. · Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, rivers and dams. · Do not apply directly to water or areas where surface water is present. · Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the contents of the spray tank before disposing of the container in the prescribed manner. · Destroy empty container by perforation and flattening. · Do not use container for any other purposes. · Prevent contamination of food, feeds, drinking water and eating utensils.

Important Note

Phytotoxicity has been recorded on certain pear cultivars and flowers, which can be linked to the naval oil content. It is therefore recommended to spray a small area first and make certain that no phytotoxicity occurs to cover all eventualities regarding non compatibilities with residues of applied fertilizers, surfactants, adjuvants and other pesticide sprays.

Test in the heat of the day, spray in the evening.

Specimen

UN Number 3352



Formulated by Dr. Strauss Ferreira

Xterminator™

Reg. Nr / Reg. No. : L 7037 Act 36 / 1947

An suspension concentrate contact and stomach insecticide for the control of biting and stinging insects on crops as listed.

'n Suspensie konsentraat kontak- en maaginsekoder vir die beheer van bytende en stekende insekte op gewasse soos vermeld

Active ingredient / Aktiewe bestanddeel

Natural Pyrethrum	7,5 g/l	Natuurlike Peritrine
PBO	6,8 g/l	PBO
Naval oil	40 %	Citrus olie

This product has been developed for use within the AGRICULTURAL PRODUCT STANDARDS ACT, 1990 (ACT No. 119 OF 1990) and within the IFOAM principles. The efficacy is dependent on the (eco)system and can range from minimal control (when more than one application is needed) to sufficient control (one application). Monitoring of the pest and timely application will enhance the efficacy of this product.

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The formulation of this restricted product was guided by the IFOAM's Policy 60 and various organic regulations regarding input criteria and may be recognised by inspection bodies. Please notify your inspection body before use.



Registration holder / Registrasiehouer:
Agro-Organics (Pty) Ltd; Co. Reg. No. 2000/005499/07
Postnet #82, Private Bag X 15 ; Somerset West; 7129,
<http://www.agroorganics.co.za>

DIRECTIONS FOR USE ENCLOSED

undo wrap

Lot / Batch
Number

GEBRUIKSAANWYSINGS INGESLUIT

verwyder plastiek

Verval Datum
Expiry Date



Cautious
Versigtig



Mode of action

The naval oil contains terpenes of which d-limonene dominates. (The terpenes are surfactants used in degreasers and soaps to brake down fats.) The ingredient d-limonene instantly strips away a protective wax coating from the exoskeletons of insects and by penetrating the spiracles (breathing holes) will inflict cell damage to the cell membranes of the cuticle causing death.

Pyrethrum has a narcotic action on insects and the synergist PBO prolongs this to death. **Xterminator** is formulated to allow the insect to recover from narcosis in order to allow the insect to emerge from cover when the d-limonene action will inflict death. (Chinch bug application - post harvest)

Xterminator is formulated to minimise damage to beneficial insects and by intervals in extent of 7 days many will recuperate. Do not use more than 12 times a year on same location. **Xterminator** is toxic to soil arthropods. **Xterminator** must not be used in hydroponic grown crops where water is treated by fish.

Instruksies / Instructions

Verenigbaarheid: Voordat **Xterminator**™ met enige ander produk gemeng word, moet 'n verenigbaarheidstoets uitgevoer word. Moet nie met alkaliese (seep) middels meng nie.

Menginstruksies: *SKUD KAN GOED* voordat produk in mengtenk gevoeg word. Gebruik skoon water met **pH 6-7**. Roer deeglik tydens byvoeging van produk in mengtenk asook tydens toepassing. Spuit die hele inhoud van die tenk uit dieselfde dag as aangemaak.

Compatibility: A compatibility test must be carried out before mixing **Xterminator**™ with any other product. Do not mix with any alkaline (soap) product.

Mixing instructions: *SHAKE CONTAINER THOROUGHLY* before adding to spray tank. Use clean water with **pH 6-7**. Stir water in spray tank when **Xterminator**™ is added and agitate during application. Use mixture on same day.

Pre-harvest Interval

Although this product is formulated to fall in below the Codex MRL (maksimum residue level) for a zero residue (0.01 ppm) allow 2 sunshine days between application and harvest. Extent with 1/2 a day for each overcast

Gebruiksaanwysing / Directions for use:

Verwittig u sertifiserings liggaam van u gee stawende redes.

Notify your certification body of your intend, giving qualifying reasons.

Gebruik alleenlik soos aangedui / Use only as indicated

Moet nie 2 dae voor of direk na besproeiing aangewend word of as wind te sterk waai nie. / Do not apply directly before irrigation or irrigate within two days after application of the product, or if the wind is blowing too strong.

500 ml / 100 l ————— Foliar, short to run-off

As post harvest treatment for Navals and Valentia, to control Chinch bug
As na-oes behandeling vir die beheer van stink luis op Navals en Valentia

500 ml / 100 l ————— Dip, at least for 1 minute 30 seconds, top-up essential (Inq: strauss@agroorganics.co.za)

Crop			
Apple & Pears	Cotton	Mangoes	Potatoes
Apricots	Cruciferae	Nectarines	Pomo granate
Avocados	Cucurbits	Oak trees	Prunes
Bananas	Figs	Oats	Quinces
Barley	Ginger	Olives	Rye
Beans	Granadilla	Onions, leeks, chives	Sorghum (grain)
Berries	Grapes	Papaya	Strawberries
Blackberries	Groundnuts	Peacan nuts	Sugar Cane
Blueberries	Guavas	Peaches	Sunflowers
Cherries	Hops	Peas	Sweet corn
Chicory	Kiwi fruit	Peppers	Tobacco
Citrus	Lettuce	Persimons	Tomatoes
Coffee	Lupins	Pineapples	Walnuts
	Maize	Plums	Wheat
<i>Cruciferae - cabbage, cauliflower, broccoli, Brussel sprouts</i>			
<i>Cucurbits - melons, squash, cucumbers, pumpkin</i>			
<i>Beans - green beans, dry beans, soy beans</i>			
Ornamentals, Flowers, Lawns			

Target Pests		
American bollworm	Fruit nibbler	Pumpkin flies (various spp.)
Antestia bug	Greater cabbage moth (larvae)	Red bollworm
Ants (various spp.)	Grey Scale	Red scale
Apple wooly aphid	Ladybird (various spp.)	Semi-looper (Plusia looper)
Astylus beetle (larvae)	Leaf miner	Soft brown scale
Australian bug	Leaf rollers	Soft green scale
Bagrada bug	Leafhopper	Spiny bollworms (various spp.)
Black maize beetle	Leafhopper (Jassid)	Stainers (various spp.)
Bud mite	Lowveld mite	Syagrus beetle
Chafer beetles (various spp.)	Mealybugs	Thrips
Chinch Bug	Millipedes	Tree crickets
Circular purple scale	Mussel scale	White fly (nymphs)
CMR beetles (various spp.)	Onion fly	White peach scale
Codling moth	Oriental fruit moth	White wax scale
Diamond-back moth (larvae)	Permicious scale	Woolly aphid
False codling moth	Psylia	