

ELEGANT

Reg. No.: L 9173 Act /Wet No. 36 of/van 1947

A water dispersible granular translaminar stomach insecticide for the control of pests on crops as listed.

ACTIVE INGREDIENT

Emamectin benzoate 50 g/kg

IRAC INSECTICIDE GROUP CODE

6



WARNING

HAZARD STATEMENTS:

- Harmful if swallowed.
- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS:

- Do not breathe dust, fume, gas, mist, vapours and spray.
- Avoid breathing mist, vapours and spray.
- Wash hands and face thoroughly after handling.
- Do not touch eyes.

Registration holder: Green Island Investments (Pty) Ltd.
Co. Reg. No.: 2013/043963/07
P.O. Box 1822, Heidelberg 1438, South Africa
Tel +27 78 737 9236

24 HR EMERGENCY NUMBERS

Griffon Poison Information Centre: +27 82 446 8946
24 Hr Transport / Spill emergency no:
(Hazcall24) +27 86 044 4411 (Typhoon Plant Protection)

Distributed by: Typhoon Plant Protection (Pty) Ltd.
Co. Reg. No.: 1998/006156/07, C/O Farm Vlakfontein
Corner of the R23 Benoni Road & R550 Nigel Road
Brakpan District, Heidelberg 1438, Gauteng, South Africa
Tel +27 78 737 9236

Net Mass/Volume:

kg

Expiry Date:
Batch No:
Date of Manufacture:
U.N. No. 3077

Typhoon
PLANT PROTECTION

READ LABEL IN DETAIL BEFORE OPENING THE CONTAINER. FOR FULL PARTICULARS, SEE ENCLOSED LEAFLET.
KEEP OUT OF REACH OF CHILDREN AND ANIMALS.



WARNINGS:**Withholding periods:**

Minimum number of days between last application and harvest:	
Apples and Pears	21 days
Tree nuts	50 days
Maize	35 days
Wheat and Barley	35 days
Sugarcane	21 days

IMPORTANT NOTE: Compliance with these withholding periods will ensure that residues **do not** exceed local Maximum Residue Limits, but the import tolerances of other countries might possibly be exceeded. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, Maximum Residue Limits and recommended withholding periods.

HAZARD STATEMENTS:

- **Do not** allow animals to feed on treated foliage.
- Handle with care.
- Harmful if swallowed or inhaled.
- May cause skin and eye irritation.
- Toxic to fish and aquatic invertebrates.
- Harmful to birds.
- Toxic to bees exposed to direct spray contact.
- Store in original container in a cool place, away from food and feed.
- Protect from light.
- Keep out of reach of children, uninformed persons and animals.
- Unprotected workers must vacate the area being treated.
- **Re-entry: Do not** enter treated area until spray deposit has dried, unless wearing protective clothing.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious 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, incompatibility with other substances not indicated on the label and the occurrence of resistance of the pest 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 or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier or registration holder in the event of any uncertainty.

PRECAUTIONS:

PRECAUTIONARY STATEMENTS:

- Avoid eye and skin contact.
- **Do not** inhale spray mist.
- Wash with soap and water immediately after use.
- Wash contaminated clothing after use.
- **Do not** eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Wear suitable protective clothing when mixing – protective gloves, boots and face shield.
- **Do not** spray during periods of bee activity. Avoid excessive spray drift – **do not** treat if wind velocity exceeds 2 meters per second (7 km per hour)
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- **Do not** use the empty container for any other purpose.

Related ingredients:

Chemical name	CAS - No.	Concentration (% w/w)
sodium 2- [methylethylamino]ethane-1-sulphonate	137-20-2	>10%
emamectin benzoate	155569-91-8	>1 -10%

FIRST AID TREATMENT:

Inhalation: Remove source of contamination or move patient to fresh air. Keep patient under observation and obtain medical attention if necessary.

Skin contact: If irritation occurs, remove contaminated clothing, shoes and leather goods. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap.
If irritation persists, obtain medical assistance.

Eye contact: Immediately flush the contaminated eyes with gently flowing clean water for 20 minutes, holding the eyelid(s) open until no evidence of chemical remains. If irritation persists, obtain medical assistance.

Ingestion: Have patient rinse mouth thoroughly with water. **Do not** induce vomiting.
In severe cases, obtain medical advice immediately.

RESISTANCE WARNING:

For resistance management, **ELEGANT** is a **group code 6 insecticide**. Any insect population may contain individuals naturally resistant to **ELEGANT** and any other **group code 6 insecticides**. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly and exclusively in programs. **ELEGANT** or any other **group code 6 insecticides** may not control these resistant insects.

To prevent insecticide resistance:

- Avoid excessive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with registered products from different insecticide group codes.
- Integrate other control methods (chemical, cultural, biological) into insect control programmes.

For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE: Use only as directed.

Thorough and even coverage of the crop is essential. **Do not** apply during the heat of the day or if the plants are wet or if rain is imminent.

MIXING INSTRUCTIONS:

Fill the spray tank to a quarter with clean water. Measure out the required quantity of **ELEGANT** and add to the tank. Fill spray tank with water while maintaining agitation to ensure thorough mixing. Maintain agitation during spraying. Use the prepared mixture immediately. **Do not** prepare more spray mixture than is needed for immediate application. **Do not** allow to stand overnight.

APPLICATION DOSAGE RATES:

CROP AND PEST:	DOSAGE:	REMARKS:
APPLES Codling Moth <i>(Cydia Pomonella)</i>	15 - 20 g ELEGANT + 25g BLOK 300 WG at 14 day intervals	Commence application at onset of the 1 st , 2 nd or 3 rd generation. Ensure that an effective control programme precedes the Indoxacarb / Fenoxycarb / ELEGANT programme. Use the higher ELEGANT rate when targeting the 3 rd generation or cases of high 2 nd generation infestation pressure, i.e. in orchards with a history of high Codling moth concentration or where fruit damage is evident when programme commences.
PEARS Codling Moth <i>(Cydia Pomonella)</i>	15 - 20 g ELEGANT + 25g BLOK 300 WG at 14 day intervals	Commence application at the onset of the first (1st), second (2nd) or third (3rd) generation. Use ELEGANT for the control of one (1) generation of the pest only. Apply as a full cover spray according to the Tree-Row-Volume (TRV) formula described by Unrath, ensuring thorough coverage. Applications can be made at intervals of 7 to 10 days. Do not exceed four (4) applications of ELEGANT per growing season. If further control is needed, use chemicals with a different mode of action. Refer to "Crop information" under " DIRECTIONS FOR USE ".
African bollworm <i>(Helicoverpa armigera)</i>	32 to 40 g ELEGANT	Monitor for Bollworm and commence application as soon as the first signs of the pest is noticed. Apply as a full cover spray according to the Tree-Row-Volume (TRV) formula described by Unrath, ensuring thorough coverage. Applications can be made at intervals of 7 to 10 days. Do not exceed four (4) applications of ELEGANT per growing season. If further control is needed, use chemicals with a different mode of action. Refer to "Crop information" under " DIRECTIONS FOR USE ".
MAIZE and SWEETCORN, WHEAT AND BARLEY Fall Armyworm <i>(Spodoptera frugiperda)</i>	200 g ELEGANT /ha + 500-1000 mℓ Lufenuron 50 EC /ha	Apply ELEGANT as a tank-mix with Lufenuron 50 EC at the first signs of infestation. Apply as a block of 2 applications 7 days apart and then alternate with products with a different mode of action. Note: For MAIZE and SWEETCORN , apply as soon as feeding damage is observed (small windows in the leaves), when larvae are still outside the cobs. Once inside, larvae will not be controlled. Refer to the IRAC resistance guidelines.

(Continued on next page)

APPLICATION DOSAGE RATES (Continued)

CROP AND PEST:	DOSAGE:	REMARKS:
TREE NUTS (Includes almonds, macadamias and pecans) Codling Moth (<i>Cydia pomonella</i>) False codling moth (<i>Cryptophlebia leucotreta</i>) African bollworm (<i>Helicoverpa armigera</i>) Leafrollers	20 g ELEGANT + 40 g DODO 20 SP /100ℓ water 22 - 34 g/100 water	Apply as needed, using locally recommended scouting and monitoring techniques. Timing and frequency of applications should be made at first signs of insect infestation as indicated by local spray threshold. For best results apply soon after pest eggs have hatched. Treatment must be made before larvae penetrate fruit or stems. Thorough spray coverage is critical. Apply in sufficient water to ensure coverage. For best results, it is recommended that ELEGANT be applied with spray oil (non-dormant). Use the lowest rates for low to moderate infestations and the highest rate for high infestations. Applications may be repeated to maintain control, typically at 7 day intervals. Do not exceed more than 2 applications of the mixture of ELEGANT + DODO 20 SP per growing season. Do not exceed more than 4 ELEGANT applications per season either in the mixture or solo.
SUGARCANE Eldana (<i>Eldana saccharina</i>) Longhorn beetle (<i>Cacosceles (Zelogenes) newmani</i> (Thomson.))	300 g ELEGANT / ha Or 3 g ELEGANT in 10 ℓ water / 100 m row	Spray within 3 days after cutting cane. For maximum effect, the cut ends of the stubble must not be dried out. The spray swath must be directed onto the row. The spray swath must be free of excessive trash to ensure that the spray mixture comes into direct contact with the cane stool and the cut stumps. Thorough wetting is essential. Do not use any other adjuvant than what is specified on the label. Do not apply more than one application per growing season.

High volume application

The volume of water to be applied per hectare must be calculated according to the **Tree Row Volume (TRV)** formula:
 $L/ha = \text{Tree height} \times \text{Tree diameter} \times 937$

Row Width

The **TRV** calculation is the volume of water required when the trees are in full leaf. Use the water volume required per hectare to calculate the amount of **ELEGANT** required during the various growth stages of a tree during the season.

Water requirements per hectare as recommended according to the different growth stages of a tree:

Growth Stage	% High volume water requirement/ha
From green tip to $\pm$ 30 % blossom	60 %
From $\pm$ full blossom to $\pm$ middle November	80%
From $\pm$ beginning December	100%

BLOK 300 WDG = INDOXACARB (L9954)

DODO 20 SP = ACETAMIPRID 200 SP (L10060) are registered products of **Green Island Investments (Pty) Ltd.**