

CROP/PESTS	DOSAGE	APPLICATION REMARKS
TOMATOES Semi-loopers	6 mℓ/ 100 ℓ water	Ground application: Apply as a high volume full cover spray (500 ℓ/ha for plants up to 600 mm high and 1 000 ℓ or more for plants higher than 600 mm) at first signs of infestation. Repeat every 7-10 days or as necessary, determined by inspection of the crops. Do not use more than 60 mℓ Bulldock® Beta 125 SC /ha.
	30 - 60 mℓ/ha	Mist-blower spray apparatus: Apply in 150-500 ℓ water/ha. Use the lower dosage and volume water for plants up to 600 mm high and the higher dosage and volume for plants higher than 600 mm. Do not use more than 60 mℓ Bulldock® Beta 125 SC /ha. WARNING: ALLOW 3 DAYS ON TOMATOES BETWEEN LAST APPLICATION AND HARVEST.
CRUCIFERAE Diamond-back moth	4 mℓ/100 ℓ water	Commence application at first signs of infestation and repeat at intervals of 10-14 days. A suitable surfactant must be added at the registered rate so as to ensure thorough wetting of the plants. WARNING: ALLOW 4 DAYS ON CRUCIFERAE BETWEEN LAST APPLICATION AND HARVEST.


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PEAS Lesser army worm	60 mℓ/ha	Apply at first signs of infestation and repeat if necessary. Ground application: Apply in 300-500 ℓ water/ha. Aerial application: Apply in at least 30 ℓ water/ha. NOTE: A suitable wetter/sticker should be added so as to ensure thorough coverage of the plants. WARNING: ALLOW 7 DAYS ON PEAS BETWEEN LAST APPLICATION AND HARVEST.
LUCERNE Lucerne caterpillar	60 mℓ/ha	Apply at first signs of infestation and repeat if necessary. Ground application: Apply in 300 ℓ water/ha. Aerial application: Apply in at least 30 ℓ water/ha. WARNING: ALLOW 14 DAYS ON LUCERNE BETWEEN LAST APPLICATION AND HARVEST.
WATTLE PLANTATIONS Wattle bag worm (<i>Kotochalia junodi</i>)	40 mℓ/ha	Aerial application: Begin application at first signs of infestation or during November/December when bag-worm are most active in at least 30 ℓ water.

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ALL CROPS Cutworm	40 mℓ/ha	Apply as an overall soil cover spray at first signs of infestation. Ground application: Apply in 250 ℓ water/ha. Aerial application: Apply in at least 30 L water/ha.
	0,12 mℓ/100 m row	Band application: Apply as a 30 cm band over the row in at least 3 ℓ water at first signs of infestation. NOTE: For effective control of cutworms sufficient moisture in the top 3 cm of soil is necessary.
PECAN NUTS Pecan stem borer (<i>Eulophonot mymeleon</i>)	1,2 mℓ/10 ℓ water	Apply with a knapsack sprayer directly into the tunnels. Hold the nozzle against the tunnel for 4 seconds and apply approximately 50 mℓ spray mixture per tunnel.
Bark borer (<i>Salagena</i> spp.)	1,2 mℓ/10 ℓ water	Apply with a knapsack sprayer to the lesions on the branches. It is not necessary to remove the excretions from the branches before spraying. Do not spray the whole tree.

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POTATOES Tuber moth	80 mℓ/ha	Apply prior to or at first signs of infestation. Repeat at 7-14 day intervals. Ridge at least two times during the growing season to ensure thorough coverage of the tubers with soil. WARNING: ALLOW 56 DAYS ON POTATOES BETWEEN LAST APPLICATION AND HARVEST.
AVOCADOS Fruit sucking bugs (<i>Nezara viridula</i> , <i>Pseudotheraptus wayi</i> , <i>Taylorlygus</i> spp.)	6 mℓ/100 ℓ water	Apply as a single medium cover spray at the end of flowering.
CANOLA American bollworm	60 mℓ/ha	Aerial application: Apply at first signs of infestation in at least 30 ℓ water/ha. Add a suitable wetting agent. Repeat if necessary.

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MACADAMIA Stinkbugs	6 mℓ/100 ℓ water	Apply as a high volume application by using suitable ground spray equipment. Ensure thorough coverage of the nuts, branches and leaves. Application should commence when the nuts are at marble size (October/November) or when the economic threshold level of stinkbug is reached. Four to five follow-up applications, at 4-5 weekly intervals may be required, depending on re-infestation. Use the shorter interval during wet weather conditions or severe infestations. Avoid season-long application of the same insecticide. Good pest management involves the use of alternative chemical groups to avoid resistance build-up. WARNING: ALLOW 14 DAYS ON MACADAMIA BETWEEN LAST APPLICATION AND HARVEST.


Bayer



BULLDOCK
Beta 125 SC


Reg. No. 16-D-121-8



CONTENTS: 100 mℓ



DANGER POISON

Zim 11/20
Code: ZW85764373B




COMPOSITION:
Beta-cyfluthrin 125 g/ℓ
Inert ingredients 875 g/ℓ

Chemical Group : Synthetic Pyrethroid

A SUSPENSION CONCENTRATE INSECTICIDE FOR THE CONTROL OF INSECT PESTS MENTIONED ON THE CROPS LISTED.

Packed For: Bayer Zimbabwe (Pvt) Ltd
P.O. Box AY 78, Amby, Harare, Zimbabwe.
Tel. 487211/487242
IN CASE OF POISONING PLEASE PHONE:
+27(0) 861 555 777
Manufactured by Bayer (Pty) Ltd.
Bulldock® is a registered trademark of the Bayer Group.

Batch No.: See on pack
Date of Manufacture: See on pack



Bayer

TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE

PRECAUTIONS

- Handle with care and avoid any skin contact. Poisonous by swallowing or inhalation.
- DO NOT** eat, drink or smoke while mixing, applying, handling or before washing hands and face.
- Slightly irritating to skin and eyes.
- WEAR PROTECTIVE CLOTHING**, i.e. overalls, rubber gloves, and rubber boots and a facemask while mixing, spraying and cleaning up.
- DO NOT** inhale fumes or spray mist.
- Avoid spray drift onto other crops, grazing, rivers and dams.
- Remove protective clothing on completion of spraying, wash skin thoroughly with soap and water and dress in clean clothing and wash contaminated clothing daily.
- Clean applicator after use, dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- KEEP APART FROM FOOD AND FEEDSTUFFS.
- KEEP OUT OF REACH OF CHILDREN, UNINFORMED PERSONS AND ANIMALS.
- STORE IN A COOL, DRY PLACE IN ORIGINAL CONTAINER AND KEEP UNDER LOCK AND KEY.
- TOXIC TO FISH AND WILD LIFE. DO NOT CONTAMINATE DRINKING POOLS, DAMS, RIVERS AND WATERWAYS.
- SPILLAGE – Use protective clothing when dealing with spillages. Prevent entry into drains, water or soil. Soak up spilled product with absorbent material such as dry soil, sawdust or sand and place into a labeled closable container for safe disposal. Use damp cloth to clean the floor and contaminated parts. Place used cleaning materials into closable container for safe disposal.

- CONTAINER DISPOSAL – Triple-rinse container emptying washings into spray tank and spray onto crop. Perforate and flatten rinsed container to make it unsuitable for further use or burn it and bury crushed container or ashes in a recommended disposal pit in a secure location away from water sources or arable land. **DO NOT** use empty container for any other purpose.
- RE-ENTRY: As a general rule, treated areas should not be entered before spray deposit on plants surfaces has dried, unless protective clothing is worn.

SYMPTOMS OF HUMAN POISONING

- Local:** Skin and eye paraesthesia which may be severe, Usually transient with resolution within 24 hours, Skin, eye and mucous membrane irritation, Cough, Sneezing.
- Systemic:** Discomfort in the chest, Tachycardia, Hypotension, Nausea, Abdominal pain, Diarrhoea, Vomiting, Dizziness, Blurred vision, Headache, Anorexia, Somnolence, Coma, Convulsions, Tremors, Prostration, Airway hyperreaction, Pulmonary oedema, Palpitation, Muscular fasciculation, Apathy.

FIRST AID TREATMENT

General advice: Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Inhalation: Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

Skin contact: Immediately wash with plenty of soap and water for at least 15 minutes. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. Apply soothing eye drops and if needed anaesthetic eye drops. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. **DO NOT** induce vomiting. Call a physician or poison control center immediately.

NOTE TO PHYSICIAN

Risks: This product contains a pyrethroid. Pyrethroid poisoning should not be confused with carbamate or organophosphate poisoning.

Treatment: Local treatment: Initial treatment: symptomatic.

Treatment: Systemic treatment: Initial treatment: symptomatic. Monitor: respiratory and cardiac functions.

In case of ingestion, gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Keep respiratory tract clear. Oxygen or artificial respiration if needed.

In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. If not effective, phenobarbital may be used.

Contraindication: atropine.

Contraindication: derivatives of adrenaline.

Antidote: There is no specific antidote. Recovery is spontaneous and without sequelae.

RESISTANCE MANAGEMENT:

For resistance management, any insect population may contain individuals naturally resistant to **Bulldock® Beta 125 SC** and other pyrethroid insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **Bulldock® Beta 125 SC** or any other pyrethroid insecticides.

To delay insecticide resistance: Avoid exclusive repeated use of insecticides from the same insecticide group. Alternate with products from different insecticide group. Integrate other control methods (chemical, cultural, biological) into insect control programs. NB.: For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

COMPATIBILITY:


Bulldock® Beta 125 SC is compatible with **Twist® 500 SC**, **Folicur® 250 EW**, **Melody® Duo 69 WG** and **No-Blite®**. **Twist®, Folicur®, Melody® Duo & No-Blite®** are registered trademarks of the Bayer group.

WARRANTY: 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 soil, climatic and storage conditions; quality of dilution water, compatibility 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 in the event of any uncertainty.

CROP/PESTS	DOSAGE	APPLICATION REMARKS
MAIZE Stalk borer (<i>Busseola fusca</i>)	0,5 m// 100 m row	Ground application: Weekly scouting to be done for stalkborer as from two weeks after emergence by inspecting at least 100 plants at random in the land. Apply 7-10 days after 5 % or more plants are found with eggs or immediately if 10 % or more plants are found with "shot-hole" damage on the leaves. Spray to be directed into the maize funnel. Aerial application: Apply in at least 30 ℓ water/ha. Aerial application: Apply in at least 30 ℓ water/ha. Stalk borer may not be completely eliminated. NOTE: (i) A re-application of Bulldock® Beta 125 SC may be necessary after 10-14 days should re-infestation occur especially when the stalk borer egg-laying period is over an extended period. (ii) Larvae larger than 10 mm which have left the funnel or have already bored into the stalk, will not be satisfactorily controlled. WARNING: ALLOW 14 DAYS ON MAIZE BETWEEN LAST APPLICATION AND HARVEST.
	60 m// ha	
	60 m// ha	

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GRAIN SORGHUM Stalk borer (<i>Busseola fusca</i>)	70 m// ha	Aerial: Apply at very first signs of infestation but not later than piping stage and re-apply 10-14 days later, in at least 30 ℓ water/ha. Larvae which have already penetrated the stalk will not be satisfactorily controlled. A third application may be necessary depending on the infestation level as determined by routine inspection, especially when the egg-laying period is extended. Ground application: Apply as a high volume full cover spray (500 ℓ/ha for plants up to 600 mm high and 1 000 ℓ or more for plants higher than 600 mm) at first signs of infestation. Repeat every 7-10 days or as necessary, determined by inspection of the crops. Do not use more than 60 m// Bulldock® Beta 125 SC /ha. Mist-blower spray apparatus: Apply in 150-500 ℓ water/ha. Use the lower dosage and volume water for plants up to 600 mm high and the higher dosage and volume for plants higher than 600 mm. Do not use more than 60 m// Bulldock® Beta 125 SC /ha. WARNING: ALLOW 3 DAYS ON TOMATOES BETWEEN LAST APPLICATION AND HARVEST.

BASE LABEL


BULLDOCK[®]
Beta 125 SC


COMPOSITION:
Beta-cyfluthrin..... 125 g/l
Inert ingredients 875 g/l

MASS/VOLUME

Chemical Group : Synthetic Pyrethroid

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POISON**




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100 ml

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Code: ZW85764373B

Packed For: Bayer Zimbabwe (Pvt) Ltd P.O. Box AY 78, Amby,
Harare, Zimbabwe. Tel. 487211/487242
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+27(0) 861 555 777
Manufactured by Bayer (Pty) Ltd.
Bulldock[®] is a registered trademark of
the Bayer Group.


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HARMFUL