



Vydate® 100 GR

INSECTICIDE / NEMATICIDE

A granular nematicide for the protection of potatoes, tobacco, tomatoes, bananas against plant parasitic nematode species.

Reg. No.
13-E-6-18

Net Contents:
10 kg



DANGEROUS POISON
INHALATION OF PRODUCT DUST • EXTREMELY HARMFUL

Composition	(mass/mass):
oxamyl	100 g / kg
inert ingredients	900 g / kg

Group: Oxime carbamate



REGISTERED BY: POLACHEM Investments: 12 Connought Rd, Avondale, Harare, Zimbabwe
Tel: (263 4) 334186/334204 - Fax: (263 4) 336281/336283 - Email: polachem@sa.co.zw

MANUFACTURED BY: E.I. Du Pont de Nemours and Co.

VYDATE® 100 GR is a registered trademark of E.I. DuPont de Nemours & Co.,
Wilmington, Delaware 19898, USA

TO CAUSE A

PRECAUTION

1. HANDLE
2. POISON
3. Wear FU
respirator
4. Do not in
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6. On comp
7. Clean ap
8. KEEP OU
9. KEEP AP
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12. Store in
13. Destroy
FOR ANY

SYMPTOMS

Headache, fa
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FIRST AID:

Remove patie
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Skin Contact:
not rub skin.

Eye Contact:

If swallowed:
vomit is clear
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Inhalation: F
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NOTE TO PH

VYDATE® 100
every 10 min
oximes are co
insecticides,

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

PRECAUTIONS:

1. HANDLE WITH CARE AND AVOID ANY CONTACT WITH THE GRANULES.
2. POISONOUS BY SWALLOWING, INHALATION AND CONTACT WITH THE SKIN.
3. Wear FULL PROTECTIVE CLOTHING: overalls, PVC apron, rubber boots, eye protection (goggles or face shield), rubber gloves and respirator with suitable cartridge during application.
4. Do not inhale dust and prevent dust from contaminating eyes.
5. Do not eat, drink or smoke while applying this product
6. On completion of application, wash hands and face thoroughly with soap and water.
7. Clean applicator thoroughly after use.
8. KEEP OUT OF REACH OF CHILDREN.
9. KEEP APART FROM FOOD AND FOODSTUFFS.
10. Do not contaminate drinking pools, dams, rivers, waterways and other water bodies.
11. Dispose of applicator washings in a designated waste area.
12. Store in original container in cool, dry place and KEEP UNDER LOCK AND KEY.
13. Destroy empty packaging by burning in a designated incineration area and bury ash in a designated burial site – DO NOT USE FOR ANY OTHER PURPOSE.

SYMPTOMS OF POISONING:

Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pains, vomiting, blurred vision, muscle twitching, unusually small pupils, respiratory distress, coma.

FIRST AID:

Remove patient from source of poisoning to a cool and well-ventilated area. Calm him / her and keep him / her still. Immediately take the patient to the nearest doctor and show him / her this label.

Skin Contact: Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water. Do not rub skin.

Eye Contact: Flush contamination out of eyes with clean water for at least 15 minutes.

If swallowed: have the patient drink 1 to 2 glasses of water and induce vomiting by tickling the back part of the throat. Repeat until vomit is clear and free from the smell of poison. Do not apply direct mouth-to-mouth resuscitation. Never give anything by mouth to an unconscious person.

Inhalation: Remove patient to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. **Take the patient to the nearest doctor immediately.**

NOTE TO PHYSICIAN:

VYDATE® 100 GR is an N-Methyl Carbamate Insecticide and Nematicide. Administer atropine sulphate, intravenously (2 – 4 mg / adult) every 10 minutes until signs of atropinization (dry flushed skin and tachycardia) appears. Pralidoxime (2 PAM, Protopam) and other oximes are contraindicated for **VYDATE® 100 GR** exposure alone. However, for exposure to **VYDATE® 100 GR** and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulphate treatment. **Do not use morphine.**

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

1. To be used by skilled, trained operators only.
2. Apply **VYDATE® 100 GR** as part of an integrated control programme, e.g., including soil analysis, soil fumigation, use of resistant varieties and nematode-free planting material, use of resistant grass rotations etc.
3. Do not use **VYDATE® 100 GR** later than the recommended timings, as unacceptable residues may persist in the marketed crop.
4. Do not use **VYDATE® 100 GR** if lime has been applied to the furrow or planting hole. Ideally, lime should be broadcast and incorporated during soil preparation.
5. **Soil pH:** High soil pH (alkaline soil) will significantly reduce **VYDATE® 100 GR**'s efficacy. Do not use **VYDATE® 100 GR** on soils with a pH above 7.5 without first consulting the distributor of this product or the registration holder.

COMPATIBILITY: Not normally mixed with other products.

WARNINGS: The following minimum number of days must be allowed between last application and harvest:

Table potatoes 40 days; Tobacco 42 days; Tomatoes 21 days

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, 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.

CROPS AND PESTS	DOSAGE	APPLICATION DIRECTIONS
BANANAS: Burrowing nematode <i>Radopholus similis</i> Root knot nematodes <i>Meloidogyne</i> species	20 g per mat	Apply during August-September and January –February. Remove debris and weeds around suckers and apply granules in a band 30–45 cm wide around each sucker (an area of approximately 1 m ²). Irrigate lightly after application.
POTATOES: (TABLE POTATOES ONLY) Root knot nematodes <i>Meloidogyne</i> species	Soil application: 350 g per 100 m furrow	Soil application: Apply VYDATE® 100 GR only to moist soil. (This would replace the use of VYDATE® SL at planting.) Foliar application: Follow up the VYDATE® 100 GR soil treatment with up to three foliar sprays of VYDATE® SL . The first VYDATE® SL foliar application should be applied at a dosage rate of 2 litres per ha, 7 – 10 days after planting. For further details, see the VYDATE® SL label. IMPORTANT: REFER TO NOTES APPLICABLE TO THE CONTROL OF ROOT KNOT NEMATODES IN POTATOES WITH VYDATE® 100 GR & VYDATE® SL PROGRAMMES.

CROPS AND PESTS	DOSAGE	APPLICATION DIRECTIONS
<p>IMPORTANT: NOTES APPLICABLE TO ROOT KNOT NEMATODE CONTROL WITH VYDATE® 100 GR FOLLOWED BY VYDATE® SL SPRAY PROGRAMME IN POTATOES:</p> <ol style="list-style-type: none"> The nematicidal, systemic and / or residual activity of VYDATE® 100 GR & VYDATE® SL is strongly influenced by factors beyond the manufacturer's control, for example ineffective and / or too shallow fumigation of the soil prior to planting, soil type (very sandy soils that leach easily), high soil pH, or stress conditions (especially drought) on the crop. Some root knot nematode damage in potatoes must be expected under the above-mentioned conditions, or when nematode infested seed tubers are planted. If potatoes are left in the soil for longer than 30 days after the final VYDATE® SL application, serious tuber damage may occur due to re-infestation of root knot nematodes. This is due to the absence of VYDATE® SL in the soil or roots at this stage. If excessively high root knot nematode levels are present in the soil due to a combination of above-mentioned factors and / or when abnormal cultural practices are followed, e.g. the continuous planting of nematode susceptible crops on the same fields, severe losses due to root knot nematode damage may occur in spite of the chemical control measures applied. Under these conditions, VYDATE® 100 GR and VYDATE® SL programmes should not be used for root knot nematode control in potatoes, not even in combination with other nematicides and especially not when chipping potatoes are cultivated. 		
<p>TOBACCO: Root knot nematodes <i>Meloidogyne</i> species.</p> <p>TRB Cert No. 13-14-E-61 * Consult TRB Handbook for further details</p>	<p>Plant station application: Apply 1.25 g per plant</p> <p>Row application: 250 g per 100 m planting furrow</p>	<p>Soil application: Apply VYDATE® 100 GR only to moist soil. For use with water planted tobacco – fill the planting hole with water, plant the tobacco seedling, then scatter the VYDATE granules into the planting water before it drains into the soil. DO NOT USE on dry planted / ram planted tobacco. Use only with nematode resistant cultivars ("RK" varieties).</p> <p>Foliar application: Follow the VYDATE® 100 GR soil treatment with one foliar application with VYDATE® SL 3 – 4 weeks after planting. <i>Spray application:</i> Use 1260 ml per 100 l water, apply 3 l / 100 m of row in a band 30 – 40 cm over the plants. <i>Cup application:</i> 630 ml / 100 l water, apply 30 ml over each plant. For further details, see the VYDATE® SL label. If the spray water has a pH of above 7, it should be buffered to a pH of 5 – 6 with Allbuff or Bladbuff 5. However, do not add any other adjuvant types to the VYDATE® SL spray solution.</p> <p>IMPORTANT: REFER TO NOTES APPLICABLE TO THE CONTROL OF ROOT KNOT NEMATODES IN TOBACCO AND TOMATOES WITH VYDATE® 100 GR AND VYDATE® SL</p>

CROPS AND PESTS	DOSAGE	APPLICATION DIRECTIONS
<p>TOMATOES: Root knot nematodes <i>Meloidogyne</i> species</p>	<p>Soil application: 125 g per 100 m furrow</p> <p>Plant station application: apply 0.75 g per plant</p>	<p>Soil application: Only apply VYDATE® 100 GR to moist soil. Apply either into the planting furrow or in a 20 cm wide band over the planting furrow and incorporate into the soil.</p> <p>IMPORTANT: REFER TO NOTES APPLICABLE TO THE CONTROL OF ROOT KNOT NEMATODES IN TOBACCO AND TOMATOES WITH VYDATE® 100 GR AND VYDATE® SL</p>
<p>IMPORTANT: NOTES APPLICABLE TO ROOT KNOT NEMATODE CONTROL WITH VYDATE® SL IN TOBACCO AND TOMATOES:</p> <ol style="list-style-type: none"> The nematicidal, systemic and/or residual activity of VYDATE® 100 GR and VYDATE® SL are strongly influenced by factors beyond the manufacturer's control for example ineffective and/or too shallow fumigation of the soil prior to planting (where applicable – refer to note 3), soil type (very sandy soils that leaches easily), high soil pH, or stress conditions (especially drought) on the crop. Some root knot nematode damage in tobacco and tomatoes must be expected under above-mentioned conditions. If excessively high root knot nematode levels are present in the soil due to a combination of the above-mentioned factors and/or when abnormal cultivating practices are followed, e.g. the continuous planting of nematode susceptible crops on the same fields, crop losses due to root knot nematode damage may occur in spite of the chemical control measures applied. If last-mentioned factors occur the desired control of root knot nematodes may not be achieved with VYDATE® 100 GR & VYDATE® SL programmes in tobacco and tomatoes, not even when used in combination with other nematicides. Under above-mentioned conditions, the fumigation of the soil with a registered fumigant prior to the application of VYDATE® 100 GR is recommended. Since tobacco and tomatoes are sensitive crops and varieties may differ in their sensitivity towards crop protection products, it is recommended that only a portion of a field is treated with VYDATE® 100 GR the first time the product is used in order to determine if any negative effects occur on the crop or specific variety. A certain amount of leaf scorching may occur under certain conditions on seedlings produced in seed trays, which are of a temporary nature and should not affect yield. In order to minimize the risk of leaf scorching the VYDATE® 100 GR should be thoroughly incorporated into the soil before the seedling is planted. 		

Bladbuff® is the registered trademark of Plaaskem (Pty) Ltd.
Allbuff® is the registered trademark of Arysta LifeSciences

DATE OF MANUFACTURE: See side of package
EXPIRY DATE: 2 years from Date of Manufacture
BATCH NUMBER: See side of package

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