



Vydate® SL

INSECTICIDE / NEMATICIDE

A systemic nematicide for the control of Rootknot Nematodes in Tobacco and Potatoes.

Reg. No.
13-E-6-20



Net Contents:
5 ℓ

VERY DANGEROUS POISON
FLAMMABLE

INHALATION OF SPRAY EXTREMELY HARMFUL

Composition	(mass/mass):
oxamyl	310 g / ℓ
inert ingredients	690 g / ℓ

Chemical Group: Carbamate

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

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

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



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

PRECAUTIONS:

1. **TO BE USED BY SKILLED OPERATORS ONLY.**
2. WEAR FULL PROTECTIVE WATERPROOF CLOTHING, INCLUDING OVERALLS, RUBBER BOOTS, RUBBER GLOVES AND SUITABLE RESPIRATOR.
3. Handle with extreme care: Poisonous by swallowing, inhalation and skin contact.
4. Wash contaminated clothing immediately after use.
5. Wash thoroughly with soap and water immediately after use.
6. Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing.
7. Prevent contamination of foods, feed drinking water and eating utensils.
8. TOXIC TO FISH, BEES, BIRDS, WILDLIFE, LIVESTOCK AND DOMESTIC PETS.
9. PREVENT SPRAY DRIFT ONTO RIVERS, DAMS, DRINKING POOLS WATERWAYS, GRAZING AND AREAS NOT BEING TREATED.
10. Clean applicator after use.
11. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams and waterways.
12. KEEP OUT OF REACH OF CHILDREN.
13. Store in original containers and KEEP UNDER LOCK AND KEY.

CONTAINER RINSE AND DISPOSAL:

1. Invert the empty container over the spray or mixing tank and allow to drain for 30 seconds after the flow has slowed down to a drip. Thereafter rinse the empty container three times with a volume of water equal to a minimum of 10% of the container before destroying the container in the prescribed manner.
2. DESTROY EMPTY CONTAINER BY PERFORATION AND FLATTENING, AND KEEP THE CAPS. NEVER RE-USE FOR ANY OTHER PURPOSE.

SYMPTOMS OF HUMAN POISONING:

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

ANTIDOTE: Atropine sulphate – Refer to NOTE TO PHYSICIAN

FIRST AID TREATMENT:

- Remove patient from source of poisoning (to a cool and well-ventilated area).
- Keep patient quiet and reassured.
- Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water
- Do not rub skin.
- Flush contamination out of eyes with clean water for about 15 minutes.

If swallowed:

- 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.

140 x 130 panels

CYAN

MAG

YEL

BLK

- Do not apply mouth to mouth respiration.
- Never give anything by mouth to an unconscious person.
- **Take the patient to the nearest physician immediately.**

If inhaled.

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

NOTE TO PHYSICIAN:

Administer Atropine sulphate, intravenously (1.2 – 2.0 mg / adult) every 10 – 30 minutes until signs of atropinization (dry flushed skin and tachycardia) appear. Maintain atropinization until the patient recovers. Pralidoxime (2 PAM, Protopam) and other oximes are contra-indicated for **VYDATE® SL** exposure alone. However, for exposure to **VYDATE® SL** and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulphate treatment. **Do not use morphine.**

DE-ACTIVATION OF VYDATE® SL SOLUTIONS:

After use, add 2.5 kg of sodium carbonate per 100 l **VYDATE® SL** spray mixture still in the tank to deactivate excess oxamyl.

DATE OF MANUFACTURE: See side of container

EXPIRY DATE: 2 Years from Date of Manufacture, if kept unopened and stored in a cool, dry place.

BATCH NUMBER: See side of container

DIRECTIONS FOR USE: Use only as directed.

- **Water pH:** Optimal efficacy of **VYDATE® SL** will be obtained in water with a pH of 5 – 6. Water with a pH of 7 or higher should be buffered to a pH of 5 – 6.
- Crop should be **actively growing** at time of application. Optimal systemic activity depends on translocation of the active ingredient within the treated plant. Therefore reduced efficacy may occur when stress factors such as drought impair translocation.

CROP / PEST	TREATMENT	RATE OF APPLICATION	APPLICATION DETAILS
POTATOES Root Knot Nematodes (<i>Meloidogyne spp</i>)	Soil	7.9 l VYDATE® SL in 1000 l of water per hectare Note: The soil treatment and at least 2 foliar sprays should always be carried out. A third foliar spray may be warranted in cases of severe nematode infestation.	Spray directly over tubers in the planting furrow after fertilizing and ridging. (This treatment may be substituted by using Vydate® 10 G if available.)
POTATOES (cont) Root Knot Nematodes (<i>Meloidogyne spp</i>)	1st Foliar spray	2.0 l VYDATE® SL in 250 l water per hectare. Add a suitable adjuvant/ buffer to the spray-mix. See note above.	Apply to dry foliage 7 – 10 days after emergence, ensuring even coverage.
	2nd Foliar spray	4.7 l VYDATE® SL in 250 l water per hectare. Add a suitable adjuvant/buffer to the spray-mix. See note above.	Apply to dry foliage 35 days after emergence, ensuring even coverage.
	3rd Foliar spray	As for second spray.	Apply to dry foliage 63 days after emergence, ensuring even coverage.
TOBACCO Root Knot Nematodes (<i>Meloidogyne spp</i>) TRB Cert. No. 14-16-E-20. Consult TRB Handbook for detailed information	Cup application	630 ml VYDATE® SL per 100 litres clean water	Apply 30 ml of the mixture over the apical bud of each plant. Application should be made 3 – 4 weeks after planting out in the land or when plants begin to grow.
	Band application	1 260 ml VYDATE® SL per 100 l clean water	Band spray the mixture over the top of the crop at the rate of 3 l spray mix per 100 m ridge. Timing as for cup application above.

NOTE: APPLICATION TO TOBACCO:

- The foliar applications of **VYDATE® SL** are not intended to replace pre-planting application of registered nematicides, but to extend the period of control afforded by the use of these nematicides.
- Applications should not take place later than recommended above as this could result in residues at unacceptable levels in cured leaf.

- VYDATE® SL** is unlikely to increase yield under ideal growing conditions after a recommended resistant grass rotation. Yield increases may be expected under conditions of high nematode pressure e.g. poor growing conditions at the start of the season, second year tobacco, inadequate resistant grass rotations between tobacco crops.

NOTES APPLICABLE TO ROOT KNOT NEMATODE CONTROL WITH VYDATE SL IN POTATOES:

- The nematicidal, systemic and/or residual activity of **VYDATE® SL** is strongly influenced by factors beyond the manufacturer's control for example ineffective and/or to shallow fumigation of the soil prior to planting, 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 potatoes must be expected under above-mentioned conditions, or when nematode infested seed tubers are planted.
- If potatoes are left in the soil for longer than 40 days after the final **VYDATE® SL** application, serious tuber damage may occur due to re-infestation of root knot nematodes, 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 e.g. the continuous planting of nematode susceptible crops on the same fields are followed, severe losses due to root knot nematode damage may occur in spite of the chemical control measures applied. If last mentioned factors occur **VYDATE® SL** should not be used for root knot nematode control in potatoes not even in combination with other nematicides and especially not when seed or chipping potatoes are cultivated.

Pre Harvest Interval (PHI): The following minimum number of days between last application and harvest must be adhered to:

Potatoes: 40 days, Tobacco 42 days.

RE-ENTRY: Do not enter treated area within 2 days after treatment unless wearing protective clothing.

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 that could not have been foreseen in terms of the registration. Consult the Supplier in the event of any uncertainty.

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