

DuPont™ Vydate® L insecticide/nematicide

End User TechNote

Growers can now benefit from DuPont™ Vydate L® insecticide/nematicide.

- DuPont™ Vydate® L is an insecticide/nematicide registered for control of nematodes and banana weevil borers in bananas, and nematodes in sweet potatoes, capsicums and tomatoes.
- It has demonstrated reliable field performance, with more than 20 years of use.
- Vydate® L remains uniquely different; demanded, trusted and respected by growers.
- Vydate® L affects nematode feeding, movement and reproduction within minutes; protecting your crop almost immediately after application.
- Vydate® L has excellent systemicity with mobility via xylem and phloem. Applied to the soil, it is rapidly absorbed by the roots and distributed to the leaves. It accumulates in young foliage and roots where plants are transporting nutrients.
- There is no known resistance to Vydate® L (Group 1A), which makes it a useful rotation partner.
- Vydate® L readily breaks down in the soil. When applied to the soil, Vydate® L has no effect on foliar beneficial insects. It does not adversely affect soil fungi or bacteria including nitrifying bacteria or beneficial nematodes.
- **Vydate® L is a toxic (S7) pesticide, so it's critical that the PPE specified below are used at all times when handling the product: wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length PVC gloves, goggles, impervious footwear and half-face piece respirator (AS 1715).**
- Vydate® L must only be used in strict accordance with the product label.
- Store in **locked**, preferably **bunded**, well-ventilated room as cool as possible. Place away from children, animals, food, feedstuffs, seed and fertilisers. DO NOT store for prolonged periods in direct sunlight.
- Triple or preferably pressure rinse containers before disposal. Dispose of rinsate in the field or in a disposal pit specifically marked and set up for this purpose, clear of water ways, desirable vegetation and tree roots. DO NOT dispose of undiluted chemicals on site.
- Empty containers and product should not be burnt.



Cotton overalls buttoned to the neck and wrist



A washable hat and goggles



Elbow-length PVC gloves



Impervious footwear



Half-face piece respirator (AS 1715)

Safe Use and Handling of Vydate® L

- Keep pesticides out of reach of children and animals in a locked, preferably bunded, storage area.
- Avoid contact with Vydate® L at all times.
- Before using Vydate® L, read the label carefully.
- Always check to ensure the application equipment is in proper working condition. DO NOT use the application equipment if it is leaky or damaged.
- Triple rinse empty non-returnable containers and send them to an accredited recycling site. Dispose of rinsate in the field or in a designated safe disposal pit.
- DO NOT re-use empty Vydate® L containers.
- Vydate® L must always be clearly labelled. DO NOT decant Vydate® L from its original packaging into unlabelled containers.
- Always wash hands, arms and face thoroughly with soap and water before eating, drinking, smoking, chewing gum or using the toilet.
- If you do feel sick, stop applying and seek urgent medical attention.

Symptoms of Poisoning

Poisoning produces effects associated with anticholinesterase activity which may include:

- Weakness
- Blurred vision
- Headache
- Nausea
- Abdominal cramps
- Breathing difficulties
- Discomfort in the chest
- Constriction of pupils
- Perspiration
- Slow pulse
- Muscle tremors

First Aid for Poisoning

If poisoning occurs, contact a doctor or Poisons Information Centre (131126) at once. Have the product container or label with you when calling a poison control centre or doctor, or going for treatment.

If inhaled: Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.

If on skin: Take off all contaminated clothing immediately, wash skin thoroughly with plenty of water.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

If swallowed: Ingest activated charcoal. Give atropine if instructed.

Spill Clean-up Procedure

- Evacuate personnel, keeping upwind of leak/spill.
- Thoroughly ventilate area whilst using appropriate PPE e.g. self-contained breathing apparatus (CABA).
- Remove source of heat, sparks, flame, impact, friction or electricity.
- Dyke the spill to prevent liquid from entering drains and waterways.
- Soak up spill with absorbent material.
- Sweep or shovel absorbent material into hazmat containers with plastic or aluminium shovel.
- Dispose of contaminated material in accordance with local laws.

Flammable Liquid and Vapour

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Fire Fighting Measures

In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.

Use dry sand, dry chemical or alcohol resistant foam to extinguish. DO NOT use high volume water jets.

Vapours may form explosive mixtures with air.

Toxic to aquatic life with long lasting effects. Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

ON SMALL FIRES: If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.

For emergency (ambulance, fire, police) call **000**
Poisons Information Centre call **131126**

BANANAS

RESTRAINTS:

DO NOT apply to dry soil.

DO NOT apply onto leaf trash or weeds.

DO NOT apply during heavy rain.

APPLICATION BY SPOTGUN®

| CROP | STATE | PEST | RATE/ PLANT | CRITICAL COMMENTS |
|---------|---------------------------|--|------------------------|---|
| Bananas | NSW and southern Qld only | Banana weevil borer (<i>Cosmopolites sordidus</i>) | 7.5 mL or 10 mL | Apply to moist soil. Apply at intervals of 3 months with 3 applications per season. Begin applications in spring when pest activity is on the increase, and reaches a threshold level of 1 weevil per trap. Use the higher rate if trap monitoring indicates the average adult weevil borer population is greater than 2 weevils per trap. Trap prior to each application. |
| | | Burrowing nematode (<i>Radopholus similis</i>), Spiral Nematode (<i>Helicotylenchus spp.</i>) | 10 mL or 12.5 mL | Apply to moist soil. Apply at intervals of 3 months. Commence application in early spring when visual root examination indicates nematodes are present. Use the higher rate for previously untreated crops, or when root damage assessment indicates the presence of high nematode population. |
| Bananas | NT, WA and North Qld only | Banana weevil borer (<i>Cosmopolites sordidus</i>) | 10 mL | Apply to moist soil. Apply at intervals of 3 months with 3 applications per season. Begin applications in spring when pest activity is on the increase, and reaches a threshold level of 1 weevil per trap. |
| | | | 10 mL or 12.5 mL | Apply to moist soil. Apply at intervals of 3 months. Commence application in early spring when visual root examination indicates nematodes are present. Use the higher rate for previously untreated crops, or when root damage assessment indicates the presence of high nematode population. |

CAPSICUMS , SWEETPOTATOES AND TOMATOES

RESTRAINTS:

DO NOT apply other than through trickle/drip irrigation.

DO NOT apply to dry soil.

APPLICATION BY TRICKLE OR DRIP IRRIGATION

| CROP | STATE | PEST | RATE/ PLANT | CRITICAL COMMENTS |
|------------------------|---|--|--|--|
| Capsicums, Tomatoes | NSW, NT, Qld, SA, Vic, WA only | Root knot nematode (<i>Meloidogyne spp.</i>) | 18 L/ha plus 4 applications of 2 L/ha | For initial application at transplanting, apply 18 L/ha to be followed by four applications of 2 L/ha applications at 14 day intervals. If crop growth is slowed and the period between the last application and the first harvest exceeds 30 days, a further application may be required to protect the plant from nematode infection during the peak harvest period. Prior to application ensure that soil is thoroughly moist. |
| Sweet potatoes | | | | For the initial application, apply 18 L/ha within 7 days of planting, followed by four applications of 2 L/ha each at 14 day intervals. Use "Full Stops" (wetting front detection device) to maximise placement of the Vydate® L around the sweetpotato root zone. |