



The miracles of science™

EFFECTIVE CONTROL OF KEY INSECTS IN POTATOES, NON-BEARING APPLE TREES AND RASPBERRIES.

DuPont™
Vydate®
insecticide

DuPont™ Vydate® insecticide, a Group 1A (carbamate) product, effectively controls significant insect pests in potatoes, non-bearing apple trees and raspberries.

In potatoes, Vydate® controls aphids (green peach, potato), flea beetles, potato leafhopper, tarnished plant bug and Colorado potato beetle. **Note:** Colorado potato beetles resistant to carbamates will not be controlled.

In non-bearing apple trees (that is, trees that will not bear fruit within 12 months of application), Vydate® controls root-lesion nematodes, apple rust mites, European red mites, green apple aphid, leafhoppers, leafrollers, rosy apple aphid, tarnished plant bug, tentiform leafminers and two spotted spider mites.

In raspberries, Vydate® suppresses raspberry root-lesion nematode.

Key benefits include:

- **Systemic movement.** Foliar applications of Vydate® translocate downward to protect the root system. When applied to the roots, Vydate® will rapidly move throughout the plant canopy and roots.
- **Quick action.** When applied at label rates, Vydate® rapidly stops feeding, movement, reproduction and hatching.
- **Action on multiple life stages.** Vydate® is effective against adults, nymphs and larvae of many pest species. Vydate® is active as an ovicide against nematodes.
- **Beneficial insects.** When applied to the soil, Vydate® has no effect on foliar beneficial insects. As a foliar application, Vydate® can be toxic to some beneficial insects. However, due to its moderate foliar residual activity, beneficial insects repopulate treated areas quickly.



Tarnished plant bug (*Lygus lineolaris*)

Source: Louis Tedders, USDA Agricultural Research Service, Bugwood.org



Potato aphid (*Macrosiphum euphorbiae*)

Source: Whitney Cranshaw, Colorado State University, Bugwood.org

Effective control of key insect pests

Crop	Pest	Rate	PHI	REI	Application Information
Potatoes	Colorado potato beetle ¹ Flea beetles Green peach aphids Potato aphids Potato leafhopper Tarnished plant bug	0.93 L/ac to 1.2 L/ac (2.3 L/ha to 3 L/ha)	7 days	3 days	Thorough coverage is very important. Apply sufficient volume of spray solution to thoroughly wet the foliage. Make applications when insects first appear and repeat weekly or as needed. Use the low rate for light infestations of insects. Use the higher rate for severe infestations or if aphids are the primary pest. Do not make more than 2 applications per year.
Non-bearing apple trees (trees will not bear fruit within 12 months of application)	Root-lesion nematodes <i>Soil drench treatment</i>	1.25 L per 1000 L of water	N/A	1 day	Apply drench at a rate of 3.5 to 10 L in a circle approximately 1 metre in diameter around the base of each tree to cover the root zone. Apply in spring just as active root and green leaf growth commences on young whips and non-bearing trees already established. Temperatures should be over 7°C. Do not apply to trees under water stress or if not actively growing. Do not dip nursery stock. For best results apply a soil drench and one foliar spray at the high rate. Apply both treatments when growth commences.
	Root-lesion nematodes <i>Foliar treatment</i>	4.1 to 7.0 L per 1000 L of water and apply as a dilute spray	N/A	1 day	Spray to runoff. Apply first spray at first full leaf or when plants are in a period of active growth. Apply on a 2 to 3 week schedule for a total of three applications. Do not apply to plants under water stress or to plants not actively growing.
	Apple rust mites European red mites Green apple aphid Leafhoppers Leafrollers Rosy apple aphid Tarnished plant bug Tentiform leafminers Two spotted spider mites	1.5 to 3 L per 1000 L of water	N/A	1 day	Apply as a dilute spray. Spray to runoff. Apply as needed to maintain control. Do not apply more than once every 14 days. Do not make more than 3 applications per year.
Raspberries	Raspberry root-lesion nematode <i>Soil drench treatment</i>	3.78 L/ac (9.35 L/ha)	N/A	3 days	Apply one application in fall before October 31 st as a soil drench over raspberry roots. Apply only once during a 12 month period. Do not apply in the spring.

¹ Colorado potato beetles resistant to carbamates will not be controlled. / Refer to the Vydate® label for complete use instructions.

Active ingredient: Oxamyl
Chemical group: Group 1A – carbamate insecticide
Packaging: One (1) jug contains 10 L of product
Formulation: Water-soluble liquid

Re-entry interval
 Potatoes and raspberries: 3 days
 Non-bearing apples: 1 day
Pre-harvest interval (Potatoes): 7 days

Questions?

For more information, please contact your retailer, call your local DuPont rep or the DuPont™ FarmCare® Support Centre at 1-800-667-3925 or visit vydate.dupont.ca



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As with all crop protection products, read and follow label instructions carefully.

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