

RESTRICTED USE PESTICIDE

Due to Acute Toxicity And Toxicity to Birds and Mammals.

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

**DuPont Crop
Protection**



DANGER

POISON

**SPECIAL LOCAL NEED
24(c) LABELING**

**DUPONT™ VYDATE® L
INSECTICIDE/NEMATICIDE
FOR THE SUPPRESSION OF ROOT LESION
NEMATODE AND DAGGER NEMATODE IN
RASPBERRIES IN WESTERN WA**

**EPA 24(c) Special Local Need Registration No. SLN WA-120005
FOR DISTRIBUTION AND USE ONLY WITHIN WESTERN WASHINGTON**

DUPONT™ VYDATE® L INSECTICIDE/NEMATICIDE

EPA Reg. No. 352-372

**FOR THE SUPPRESSION OF ROOT LESION NEMATODE AND DAGGER
NEMATODE IN NON-BEARING* RASPBERRIES DURING THE FIRST YEAR
OF ESTABLISHMENT AFTER PLANTING**

This label for DuPont™ Vydate® L Insecticide/Nematicide expires and must not be distributed or used in accordance with this SLN registration after December 31, 2023.

DIRECTIONS FOR USE:

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of application. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label.

DuPont™ Vydate L Insecticide/Nematicide is recommended for use in Washington for the suppression of root lesion nematode and dagger nematode in non-bearing raspberries during the first year of establishment after planting.

HOW TO USE

Surface Band Spray

For post-planting ground applications: Apply Vydate L at 2 quarts per acre using a spray volume of at least 40 to 60 gallons per acre as a 4-foot wide band application centered over the plant row. Time application when rainfall is imminent, or use overhead irrigation to incorporate Vydate L into the plant root zone. If overhead irrigation is used to incorporate Vydate L, apply 0.25 to 0.50 acre inch of water as soon after application as possible to move the applied Vydate L at least 2 inches deep into the soil. However, do not irrigate to the extent that surface runoff occurs. The available water capacity of silt loam soils is generally 0.25-0.30 inch of soil profile. The depth of water movement is highly dictated by the soil moisture content at time of irrigation. For example, applying 0.25 inch of water to a silt loam soil that is 25% moisture depleted would move the pesticide/moisture front about 5 inches.

Application Through Drip Irrigation Systems

Vydate L may be applied via drip irrigation systems. Apply Vydate L at 2 quarts per acre using surface drip irrigation systems.

Drip system design criteria and operational performance must be consistent with the USDA Natural Resources Conservation Service Practice Standard Code 441 (Irrigation System, Microirrigation) and with an emission uniformity (EU) not less than 85 percent.

* Non-bearing plants that will not bear fruit within 12 months after application.

The surface drip system must be properly designed, free of leaks, and operated in a manner that provides uniform distribution (application) of treated water through the drip irrigation system. Do not begin to inject Vydate L until the irrigation system is at the desired operating pressure and distribution uniformity has been determined. Crop injury, lack of effectiveness, or illegal crop residue can result from non-uniform distribution of the treated water.

Irrigate in a manner to wet the root zone first, then inject Vydate L for a period to distribute the material uniformly to the crop root zone. After Vydate L has been applied, flush the entire injection and irrigation system with untreated water before turning off the irrigation system. Refer to the federal label for additional chemigation directions. A total of two applications can be made following the application timing instructions on this label.

APPLICATION TIMING

Make first application, using drip irrigation or surface spray, after planting when the soil temperature is at least 45 degrees F at a depth of 8 inches. To extend protection against nematode damage, make a second application a minimum of three weeks after the first application. All surface band spray applications should be timed to coincide with imminent rainfall or followed by overhead irrigation.

Note: Vydate L gradually degrades when left on the soil surface in the presence of sunlight. To maximize the efficacy of Vydate L, use a high spray volume to move the product into the soil profile and apply when rain or overhead irrigation is expected.

RESTRICTIONS/PRECAUTIONS

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

Do not make applications to plants under water stress or plants not actively growing.

Do not apply to soils that are already saturated with moisture. Soil must be below field capacity at time of application to minimize the risk of surface run-off or leaching beyond the intended treatment zone.

Since varieties are numerous, continually change, and may respond differently to, test Vydate L on a small scale before proceeding to large-scale application. Varietal response may also vary if Vydate L is mixed with other products.

Do not apply by air or through any type of irrigation system other than drip irrigation systems as permitted on this label.

Do not make more than two applications or apply more than 1 gallon of Vydate L per acre per growing season. Do not apply to raspberries within 12 months of harvest.

Use is limited to raspberries grown in western Washington only. Do not apply to raspberries grown in eastern Washington. Use only on commercial plantings; do not use on home plantings.

SURFACE WATER ADVISORY

This product can contaminate surface water through ground spray applications. Under some conditions, a treatment site may also have a high potential for runoff into surface water during and after application. These sites include poorly draining or saturated soils that slope or naturally drain toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

GROUND WATER ADVISORY

Residues of DuPont™ Vydate L can seep or leach through soil and can contaminate ground water. Users are advised not to apply Vydate L where the water table is close to the soil surface and where soils are very permeable, i.e., well-drained soils such as loamy sands. Local agricultural agencies can provide information on the soil type in your area and the location of the ground water.

SPRAY DRIFT MANAGEMENT

The interaction of equipment configuration and weather -related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets (>325-400 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage.

APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS!

See Wind, Temperature and Humidity, and Temperature Inversions sections of the federal label.

WSDA Chemigation Guidance

Application off-site is prohibited. The chemigation application must be continuously observed whenever sensitive areas as defined in WAC 16-202-1002(44) (including but not limited to schools, parks, dwellings, occupied buildings or structures, public roadways, and waters of the state) are at risk of being exposed to drift, runoff, or overspray.

An inspection port or a direct access point is required, and it must be positioned immediately upstream of the irrigation mainline check valve and be of sufficient size to allow visual and manual inspection of the check valve and low pressure drain.

The inspection port or access point must have a minimum diameter of four inches, if feasible (WAC 16-202-1012[1]).

The chemigation application tank cannot be placed within 20 feet of the wellhead or other sensitive areas. Mixing or loading activities cannot occur within 20 feet of the wellhead or other sensitive areas (WAC 16-202-1008[1]).

SENSITIVE AREAS

This product should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

This pesticide is toxic to aquatic organisms (fish and invertebrates) and extremely toxic to bird and mammals. DuPont Vydate L Insecticide/Nematicide should not be used in accordance with this SLN label where impact on listed threatened or endangered species is likely. You may refer to the WSDA Natural Resources Assessment Section web site at <https://agr.wa.gov/departments/land-and-water/natural-resources/endangered-species-program> for additional information related to pesticide use and endangered species protection. Information from EPA about no-spray buffers zones is available at <https://agr.wa.gov/departments/land-and-water/natural-resources/endangered-species-program/buffers>. Pesticide applicators may use the Washington Department of Fish and Wildlife's SalmonScape mapping tool at <https://apps.wdfw.wa.gov/salmonscape> to determine if listed salmonid species occur in or near a proposed application site.

WSDA Container Disposal Guidance

Pesticide containers must be properly cleaned prior to disposal. The best time to clean empty pesticide containers is during mixing and loading, because residue can be difficult to remove after it dries. Triple rinse (or pressure rinse) the pesticide container, empty all pesticide rinse water into the spray tank, and apply to a labeled crop or site. Recycling cleaned containers is the best method of container disposal. Information regarding the recycling of empty and cleaned plastic pesticide containers in Washington is available on the WSDA Waste Pesticide Program web site at <https://agr.wa.gov/departments/pesticides-and-fertilizers/pesticides/waste-pesticide>. Cleaned containers may also be disposed of in a sanitary landfill, if permitted by the county. Burning is not a legal method of container disposal in Washington.

This bulletin contains new or supplemental instructions for use of this product which do not appear on the EPA-registered package label. Follow the instructions carefully.

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using this product. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the Limitation of Warranty and Liability on the Section 3 Federal product label.

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