

Brown Marmorated Stink Bug

DuPont™ Vydate® L insecticide/nematicide and Lannate® LV and SP insecticides

Preserve the yield, quality and value of your crop



In 2010, the brown marmorated stink bug (BMSB) emerged as a major threat to orchard crops, small fruits, grapes, vegetables, row crops and ornamentals and even homeowners.

Now DuPont™ Lannate® SP and Lannate® LV insecticides can be used to manage BMSB infestations in the mainland U.S. (except Texas and New Hampshire) on selected fruit, vegetable and grain crops. Additionally, DuPont™ Vydate® L insecticide/nematicide now can be used for BMSB control in 19 states on selected fruit and vegetable crops. While BMSB is not currently included on the list of pests controlled by the Lannate® brands and Vydate® L on their current product labels, the 2(ee) recommendations provide growers with guidelines for using these products to control populations of the BMSB.

A new threat to your crops

BMSB was imported to the United States from Asia and was first detected in Pennsylvania in 1998. Because BMSB has few natural predators and many plant hosts, populations have climbed exponentially. Both immature and adult BMSB feed on a broad range of fruit, vegetable and grain crops, causing significant yield loss and damage that potentially renders crops unmarketable as fresh produce.

In 2010, for example, BMSB damage caused apple growers in affected areas to divert product from fresh markets to processed and juice market production, resulting in significant loss of income.

Industry and university experts are urging growers to prepare for more BMSB infestations and damage in 2011.

Proven solutions from DuPont

In response to the threat posed by BMSB, DuPont has issued Section 2(ee) recommendations allowing use of DuPont™ Lannate® insecticides and Vydate® L insecticide/nematicide to control BMSB in selected fruit, vegetable and grain crops in selected states. Lannate® and Vydate® L insecticides are proven options for a broad range of fruit, vegetable and grain crops.

How to get the best results

When used as part of an Integrated Resistance Management (IRM) Program that rotates modes of action throughout the growing season, Lannate® and Vydate® L will provide fast knockdown to help growers minimize economic losses as well as damages to yield and crop quality.

Repeat applications as necessary to prevent reinfestation from adults migrating into the crop. Consult the label for the minimum application interval for each crop. Brown marmorated stink bugs are very mobile pests that can reinfest the treated area quickly. If another application is needed prior to the minimum application interval, use a different insecticide with a different mode of action.

DuPont™ Lannate® LV and Lannate® SP insecticides

Lannate® LV and Lannate® SP are fast acting contact insecticides. Best results follow direct spraying of the target insect.

- Apply Lannate® LV* at the rate of 1.5 pints per acre in barley, field corn, sweet corn, soybean and wheat by ground or air; 2-3 pints per acre in apple, blueberry, nectarine, peach, pear, pepper and tomato. Apply to apple, blueberry, nectarine, peach and pear by ground only. Applications to pepper and tomato can be by ground or air. Do not apply this product through any type of irrigation system for control of BMSB.
- Apply Lannate® SP** at a rate of ½ pound per acre in barley, field corn, sweet corn, soybean and wheat by ground or air. Apply at a rate of 2/3-1 pound per acre in apple, blueberry, nectarine, peach, pear, pepper and tomato. Apply to apple, blueberry, nectarine, peach, and pear by ground only. Applications to pepper and tomato can be by ground or air.

Repeat applications of Lannate® as necessary to prevent reinfestation from adults migrating into the crop. Consult the label for the minimum application interval for each crop.

DuPont™ Vydate® L insecticide/nematicide

Vydate® L is recommended for control of BMSB in apples, pears, peppers and tomatoes.***

- Apply Vydate® L at the rate of 1.5 to 3 pints per acre by ground, or air (tomato and pepper only) when insect populations are at threshold.

Repeat applications at 5-7 day intervals as needed to prevent reinfestation. Minimum application interval for apples and peppers is 7 days and 5 days for tomatoes. Only one application is allowed on pears.

Build on a strong foundation

Lannate® and Vydate® should be incorporated into an existing integrated pest management program. Growers are advised to maintain their foundational IPM strategy throughout the growing season — especially in the early growing phase — with DuPont™ Altacor® insect control.

Altacor® stops feeding quickly and offers strong residual activity and excellent rain-fast properties for long-lasting protection under a wide range of growing conditions. Altacor® does not impact BMSB, however, it does protect crops from biting and chewing insects, including first-generation codling moth and other key lepidopteran pests. It also preserves beneficial insects, which are instrumental in preventing mite flare-ups (European red mite).

For more information

Contact your local DuPont representative for more information and visit lannate.dupont.com and vydate.dupont.com for a complete list of states and crops included in the 2(ee) recommendations.

* This Lannate® LV recommendation is made as permitted under FIFRA Section 2(ee) for use on apples, barley, blueberries, field corn, sweet corn, nectarines (AZ and VA only), peaches, pears (Northeast states only), peppers, soybeans, tomatoes and wheat for the control of brown marmorated stink bug in all states except Alaska, N.H. and Texas. The 2(ee) expiration date is 12/31/2012.

** This Lannate® SP recommendation is made as permitted under FIFRA Section 2(ee) for use on apples, barley, blueberries, field corn, sweet corn, nectarines (AZ, NJ, PA, VA and WV only), peaches, pears (Northeast states only), peppers, soybeans, tomatoes and wheat for the control of brown marmorated stink bug in all states except Alaska, N.H. and Texas. The 2(ee) expiration date is 12/31/2012.

*** This Vydate® L recommendation is permitted under FIFRA Section 2(ee) for use on apples, pears, peppers and tomatoes for the control of brown marmorated stink bug in the states of Ariz., Calif., Conn., Del., Idaho, Mass., Md., Maine, N.C., N.J., N.Y., Ohio, Ore., Penn., R.I., Va., Vt., Wash., and W.Va. The 2(ee) expiration date is 12/31/2012.

Lannate® LV, Lannate® SP and Vydate® L are restricted-use pesticides.

This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use and product warranty and liability limitations that must be read before using the product. Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions for use when using any pesticide alone or in tank mix combinations.

The DuPont Oval Logo, DuPont™, The miracles of science™, Altacor®, Lannate® and Vydate® are trademarks or registered trademarks of DuPont or its affiliates.

Copyright © 2011 E.I. du Pont de Nemours and Company. All Rights Reserved. 6/11
Reorder No.: K-24405



The miracles of science™