

379-8521.YLD

Base Pre-Reg. (8521)

U.S. LABEL

Reason to Issue: To revise almond use pattern by deleting dormant spray and adding 25 ft. buffer.

Date of Pre-Reg Draft: 05/03/95 (C)

ACCEPTED
 SEP 08 1995
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 3125-379

GUTHION SOLUPAK 35% WP

GUTHION SOLUPAK 35% WETTABLE POWDER CROP INSECTICIDE IN WATER SOLUBLE PACKETS

ACTIVE INGREDIENT:

O,O-Dimethyl *S*-[(4-oxo-1,2,3-benzotriazin-3(4*H*)-yl)methyl] phosphorodithioate 35%

INERT INGREDIENTS: 65%

100%

EPA Reg. No. 3125-379

AMENDMENT To Previously Registered Labeling

Revise as Follows:

RECOMMENDED APPLICATIONS			
CROP	INSECT	POUNDS GUTHION 35% WP	REMARKS
NUTS Almonds	Peach twig borer Navel orangeworm	4-1/4 to 5-11/16	Apply specified dosage per acre as an aerial, ground concentrate or dilute application. Use at least 20 gallons per acre by aircraft and up to 400 gallons per acre by ground equipment. Applications are limited to one dormant spray and/or two post-bloom sprays per season. Alternate Row Spraying: Alternate rows may be sprayed. However, due to the presence of untreated areas, satisfactory control may not be obtained. For reduction of pest numbers to occur, all rows must be treated within 10 days or less.
		2-14/16 + 2-13/16	Split Application: On large trees where coverage is difficult to obtain, an aerial application followed by a ground application may be made. In order to achieve control at this rate, two applications must be made within 10 days or less.
<p>All Applications: Allow 120 days between the dormant application and the first post-bloom spray. Allow at least 28 days between post-bloom sprays at 3 to 4 lbs per acre or the first spray of a split application. The last application may be made up to 28 days before harvest. Do not graze livestock in treated groves for 21 days after treatment. Applications may not be made within 25 feet of an aquatic site (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing).</p>			

ACCEPTED
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

GUTHION Solupak 35% Wettable Powder Insecticide
EPA Reg. No. 3125-379
AMENDMENT - 05/09/95

Section II - Amendment Information

This application is being submitted to inform the Agency of two revisions Bayer Corp. (formerly Miles Inc.) is proposing to our currently registered product, GUTHION Solupak 35% Wettable Powder Insecticide (EPA Reg. No. 3125-379) with respect to the almond use directions. (We are also submitting concurrent applications for GUTHION 50% Wettable Powder, GUTHION Solupak 50% Wettable Powder, and GUTHION 35% Wettable Powder, EPA Reg. Nos. 3125-193, -301, and -378). These changes are recommended to mitigate aquatic risk with respect to GUTHION use on almonds. To support these proposed mitigation measures, we are submitting Report No. 106930, "Guthion Use on Almonds: An Aquatic Exposure Assessment with Consideration of Mitigation Measures."

In explanation, the enclosed report contains a risk assessment for GUTHION, use on almonds and assesses the potential for aquatic ecological impact in relationship to use on almonds. To mitigate the risks associated with almond use, two revisions are evaluated in this report and recommended. These two revisions are: 1) deletion of the dormant spray application; and, 2) addition of a 25-foot buffer zone around aquatic sites. EPA's modeling program PIRANHA (Pesticide and Industrial Chemical Risk Analysis and Hazard Assessment) was used to estimate runoff and erosion potential after Guthion applications. As detailed in this report, aquatic exposure via runoff is virtually eliminated when the dormant spray is removed. Exposure via drift is significantly reduced with the imposition of a 25 feet buffer zone around aquatic sites.

Consequently, we are proposing these two changes for all GUTHION products with uses on almonds. The Remarks Section under the almond use directions (with the revision) now reads (additions are redlined, deletions are shown as ~~strike-outs~~):

"Apply specified dosage per acre as an aerial, ground concentrate or dilute application. Use at least 20 gallons per acre by aircraft and up to 400 gallons per acre by ground equipment. Applications are limited to ~~one dormant spray and/or~~ two post-bloom sprays per season.

Alternate Row Spraying: Alternate rows may be sprayed. However, due to the presence of untreated areas, satisfactory control may not be obtained. For reduction of pest numbers to occur, all rows must be treated within 10 days or less.

Split Application: On large trees where coverage is difficult to obtain, an aerial application followed by a ground application may be made. In order to achieve control at this rate, two applications must be made within 10 days or less.

All Applications: ~~Allow 120 days between the dormant application and the first post bloom spray.~~ Allow at least 28 days between post-bloom sprays at 3 to 4 lbs per acre or the first spray of a split application. The last application may be made up to 28 days before harvest. Do not graze livestock in treated groves for 21 days after treatment. Applications may not be made within 25 feet of an aquatic site (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing).

Five copies of the proposed label for GUTHION Solupak 35% Wettable Powder, dated 05/03/95, are attached.

If you have any questions concerning this notification, please contact Ms. Karen Cain (816/242-2838).

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GUTHION
SOLUPAK 35%
WETTABLE POWDER