



Evaluation Report for Category B, Subcategory 3.10, 3.11, 3.9 Application

Application Number: 2023-6458
Application: New or Changes to the Product Label – Tank Mixes/New Pests/Level of Control
Applicant: Certis USA, LLC
Product: Double Nickel LC
Registration Number: 31887
Active ingredient (a.i.): *Bacillus amyloliquifaciens* strain D747
PMRA Document Number: 3572367

Background

Double Nickel LC (Reg. No. 31887; registrant Certis USA, LLC) is a suspension fungicide product containing *Bacillus amyloliquifaciens* strain D747 at 1×10^{10} spores/mL.

Purpose of Application

The purpose of this application was to amend the label of Double Nickel LC to include a claim of suppression of anthracnose fruit rot on blueberry, a crop that already appears on the label, as well as the general tank mix statement. Additionally, the current rates registered for the suppression of grey mould and powdery mildew on grapes, and for the suppression of grey mould on field and greenhouse tomatoes, peppers, eggplant, tomatillo and okra are being reduced.

Chemistry, Health and Environmental Assessment

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

The results of field efficacy trials supported the addition of a claim of suppression of anthracnose fruit rot on blueberry. The results of field and greenhouse efficacy trials, as well as scientific rationales supported the reduction of rates for the management of powdery mildew and grey mould on grape and for the management of grey mould on field and greenhouse tomato, pepper, eggplant, tomatillo and okra.

A thorough review of the label determined that the addition of the general tank mixing statement is acceptable as it is consistent with the requirements in the PMRA Guidance Document – Tank Mix Labelling (March 16, 2023).

The inclusion of the general tank mixing statement on the label allows growers greater flexibility to select tank mixtures to control pests in labelled crops. Flexibility in the selection of tank mix partners may contribute to resistance management practices, integrated pest management programs or the control of a broader range of pests, with an associated cost- and time-savings by the user.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the subject application and has found the inclusion of the general tank mixing statement to be acceptable on the product label, as well as the following changes:

- Addition of a suppression claim against anthracnose fruit rot on blueberries when Double Nickel LC is applied as a foliar spray at 5 L product/ha.
- Reduction of the current rate for suppression of powdery mildew on grape from 2.5-5 L product/ha (low disease pressure) and 5-10 L product/ha (moderate to heavy disease pressure) to a single rate range of 2.5-5 L product/ha.
- Reduction of the rate for suppression of botrytis grey mould on grape from 3-6.25 L product/ha (low disease pressure) and 6.25-25 L product/ha (moderate to heavy disease pressure) to a single rate range of 2.5-5 L product/ha.
- Reduction of the rate for suppression of botrytis grey mould on field and GH tomato, pepper, eggplant, tomatillo, and okra from 4.5-5 L product/ha (low disease pressure) and 6.25-18 L product/ha (moderate to heavy disease pressure) to a single rate range of 2.5-5 L product/ha.

References

PMRA

Document Number

Reference

3523752	2023, Trial Summaries of Fungicide Programs on Grape, Blueberry and Fruiting Vegetables, DACO: 10.2.3.3,10.3.2
3523754	2023, Value Summary for Double Nickel LC Label Expansion for Control of Anthracnose in Blueberries, Rate Reductions for Suppression of Powdery Mildew and Gray Mold in Grapes and a Rate Reduction for Suppression of Gray Mold in Fruiting Vegetables including Tomatoes, Peppers, Eggplant, Tomatillo and Okra (including those grown for seed production), DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.2.3.2,10.2.3.3,10.2.3.4,10.3,10.3.1,10.3.3,10.4,10.5,10.5.1,10.5.2,10.5.3,10.5.4
3570485	2024, Response to Clarifications for Value for Double Nickel LC, Sub. No. 2023-6458, DACO: 10.2.3.2(D)

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2024

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.