

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2022-0961
Application: B.3.11: New or Changes to Product Labels - New Pests
Product: CRUISER® 5FS Seed Treatment
Registration Number: 27045
Active ingredients (a.i.): Thiamethoxam 47.6 %
PMRA Document Number: 3373632

Background

Cruiser 5FS Seed Treatment, containing 47.6 % thiamethoxam, is registered to control a range of insect pests on various crops. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to amend the registration of Cruiser 5FS Seed Treatment to add new claims of control of bean leaf beetle and suppression of soybean aphid, both on soybean.

Chemistry Assessment

A chemistry assessment was not required as there was no change to the product formulation.

Health and Environmental Assessments

Health and environmental assessments were not required as there was no change to host crops or use patterns.

Value Assessment

Submitted value information consisted of six small-scale field efficacy trials on soybean. The results of three small-scale field trials on the efficacy of the Cruiser 5FS Seed Treatment against bean leaf beetle supported the value of a claim that Cruiser 5FS Seed Treatment will control early season Bean Leaf Beetle on soybean when applied at a rate of 50 ml product/100 kg seed. Results from three small-scale field trials on the efficacy of Cruiser 5FS Seed Treatment against soybean aphid in soybean support the value of a claim that Cruiser 5FS Seed Treatment will suppress soybean aphid on soybean when applied at a rate of 50 ml product/100 kg seed.

Conclusion

The PMRA has completed an assessment of the subject application and has concluded that the proposed claims of early season bean leaf beetle control and soybean aphid suppression on soybean from Cruiser 5FS Seed Treatment applied at a rate of 50 ml product/100 kg seed (30 g ai/100 kg seed) has acceptable values.

References

| PMRA# | Reference |
|--------------|---|
| 3326738 | 2022, Value Summary for Cruiser 5FS Seed Treatment in Soybean for Control of Bean Leaf Beetle and Soybean Aphid, DACO: 10.1 |
| 3326740 | 2003, Evaluate Cruiser efficacy for bean leaf beetle and soybean aphid control in Northern States, DACO: 10.2.3.3 |
| 3326741 | 2002, Cruiser for bean leaf beetle control in soybeans, DACO: 10.2.3.3 |
| 3326742 | 2002, Cruiser for bean leaf beetle control in soybeans, DACO: 10.2.3.3 |
| 3326743 | 2003, Cruiser for soybean aphid control in soybean, DACO: 10.2.3.3 |
| 3326744 | 2003, Evaluate Cruiser efficacy for bean leaf beetle and soybean aphid control in Northern States, DACO: 10.2.3.3 |
| 3326745 | 2003, Evaluate Cruiser efficacy for bean leaf beetle and soybean aphid control in Northern States, DACO: 10.2.3.3 |

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2022

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.