

Evaluation Report for Category C, Subcategory C.3.11 Application

Application Number: 2007- 2342
Application: Category C, Subcategory C.3.11
Product: MATADOR 120 EC Insecticide
Registration Numbers: 24984
Active ingredient (a.i.): Lambda-cyhalothrin 120 g/L
PMRA Document Number: 1456049

Background

MATADOR 120 EC (Reg. No. 24984) is registered for control of several pests in a variety of crops including, oilseeds, cereals, pasture, tree fruit, strawberries, tobacco, potatoes, tomatoes, cole crops, head lettuce, leeks, chokecherry, legume vegetables (Crop Group 6), bulb vegetables (Crop Group 3), greenhouse lettuce and ferns of asparagus. The Registrant (Syngenta Crop Protection Canada, Inc.) is proposing MATADOR 120 EC to control bean leaf beetles (*Certoma trifurcata*) in soybeans, beans (succulent and dry edible), peas (succulent and dry), favabeans (broad beans) and chickpeas.

Purpose of Application

The purpose of this submission is to add the control of bean leaf beetles (*Certoma trifurcata*) on soybeans, beans (succulent and dry edible), peas (succulent and dry), favabeans (broad beans) and chickpeas at a rate of 10 to 28 g ai/ha to the label of MATADOR 120 EC Insecticide.

Chemistry, Health and Environmental Assessment

A chemistry assessment was not required since there was no change to product chemistry. A health and environmental assessment were not required since the use pattern, including sites, application rates and methods remained unchanged.

Value Assessment

The results from eight efficacy studies demonstrated that MATADOR 120 EC Insecticide is effective in controlling bean leaf beetles (*Certoma trifurcata*) in soybeans at the rates of 10.0 to 28.0 g ai/ha. These results can be extrapolated to beans (succulent and dry edible), peas (succulent and dry), favabeans (broad beans) and chickpeas because these crops have similar canopy structure and feeding damage is similar.

Conclusion

The PMRA has completed an evaluation of the subject applications and has found the information (data) are sufficient to add the control of bean leaf beetles (*Certoma trifurcata*) on soybeans, beans (succulent and dry edible), peas (succulent and dry), favabeans (broad beans) and chickpeas at a rate of 10 to 28 g ai/ha to the MATADOR 120 EC Insecticide label.

References

- 1396515: 2007, 10.1 - Value Summary - Note to the Reviewer - MATADOR 120EC - bean leaf beetle, DACO: 10.1
- 1396516: 2007, 10.2.2 - Description of Pest Problem - MATADOR 120EC - bean leaf beetle, DACO: 10.2.2
- 1396517: 2007, 10.2.3.1 - Efficacy Summary - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.1
- 1396518: 2007, 10.2.3.1 - Data Summary Tables - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.1
- 1396519: 2006, 10.2.3.3-1 - Trial SOYS 06-1 - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.3
- 1396520: 2006, 10.2.3.3-2 - Trial SOYS 06-2 - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.3
- 1396521: 2006, 10.2.3.3-3 - Trial SOYS 06-3 - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.3
- 1396522: 2006, 10.2.3.3-4 - Trial SOYS 06-4 - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.3
- 1396523: 2006, 10.2.3.3-5 - Trial SOYS 06-5 - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.3
- 1396524: 2006, 10.2.3.3-6 - Trial SOYS 06-6 - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.3
- 1396525: 2006, 10.2.3.3-7 - Trial SOYS 06-7 - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.3
- 1396526: 2006, 10.2.3.3-8 - Trial SOYS 06-8 - MATADOR 120EC - bean leaf beetle, DACO: 10.2.3.3
- 1396527: 2007, 10.3.1 - Adverse Effects On Use Site Summary - Note to the Reviewer - MATADOR 120EC - bean leaf beetle, DACO: 10.3.1
- 1396528: 2007, 10.3.2 - Non-Safety Adverse Effects - Note to the Reviewer - MATADOR 120EC - bean leaf beetle, DACO: 10.3.2

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