



New or Changes to Product Labels – New pests Evaluation Report for Category C, Subcategory 3.11 Application

Application Number: 2011-0646
Application: New or changes to product labels – new pests
Product: Calypso 480SC Insecticide
Registration Number: 28429
Active ingredients (a.i.): Thiacloprid
PMRA Document Number English PDF: 2125929

Background

Calypso 480SC Insecticide was first registered in April 2007. The active ingredient, thiacloprid, is a neonicotinoid insecticide that is a member of insecticide resistance management group #4. Calypso 480SC is currently registered to control a number of insects, such as codling moth, oriental fruit moth, apple maggot, plum curculio, and leafhoppers, on pome fruit.

Purpose of Application

The current submission was requesting control of aphids (excluding woolly apple aphid) and Japanese beetles on pome fruits at a rate of 145-290 mL product/ha (70-140 g a.i./ha). No specific number of applications was requested, but a restriction of 3 applications and a maximum of 875 mL product/ha was currently present on the label. The higher rate was to be used under heavy pest pressure.

Chemistry Assessment

No chemistry evaluation was required.

Health Assessments

No health evaluation was required.

Environmental Assessment

No environmental assessment was required.

Value Assessment

Six trials conducted in the northern United States, as well as Nova Scotia and Ontario demonstrated control of multiple aphid species on apple. A rate of 35 g a.i./ha provided inferior control while rates of 70 to 140 g a.i./ha provided more consistent control at a level similar to the commercial standards.

Two trials conducted in Ontario demonstrated control of Japanese beetles on apple at rates of 70 and 140 g a.i./ha. Lower rates were not tested; however, the data indicate that under high pest pressure 70 g a.i./ha was insufficient.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Calypso 480 SC Insecticide to add aphids and Japanese beetles on pome fruits. These pest claims are considered acceptable.

References

Applicant supplied information

2010087 Caypso 480 SC data to support control of aphids and Japanese Beetle in pome and stone fruit, DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3

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