



Evaluation Report for Category B, Subcategory 3.10, 3.12, 3.13 Application

Application Number: 2019-1480
Application: Changes to Product Labels; Tank mixes, Site/Host and Precautions
Product: Minecto Pro
Registration Number: 33023
Active ingredients (a.i.): Abamectin and cyantraniliprole
PMRA Document Number: 3157546

Purpose of Application

The purpose of this application was to amend the Minecto Pro label to add use on listed bulb vegetables to control thrips and Liriomyza leafminer, amend the label statements for apples and pears, amend environmental precautionary statements related to bees, amend adjuvant statements and amend product storage statements.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicological assessment was not required for this application.

The use of Minecto Pro to treat bulb vegetable crops is not expected to result in occupational or bystander exposures greater than those from the registered uses of abamectin and cyantraniliprole. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No new residue data for abamectin and cyantraniliprole in bulb vegetables, apples or pears were submitted to support the use expansion of these actives on the Minecto Pro label. Previously reviewed residue data from field trials conducted on dry bulb and green onions, apples and pears were reassessed in the framework of this application. The dietary exposure assessments on file are considered adequate to cover the residues of abamectin and cyantraniliprole expected from the use expansion of Minecto Pro. No health risks of concern have been identified for any segment of the population including infants, children, adults and seniors.

Environmental Assessment

Application to green bulb vegetables falls within the registered use pattern for both abamectin and cyantraniliprole. Buffer zones were established to reduce potential risk to non-target aquatic organisms and terrestrial plants.

In the ongoing re-evaluation of abamectin, risk to bees is also being assessed. It was noted that in addition to apples and pears, cucurbits are also highly attractive to pollinators. Cucurbits, while highly attractive, have flowers that close in the afternoon and last only one day; therefore application to cucurbits is restricted to evenings only. Attractiveness of other crops on the labels range from negligible to moderate, and applications can be made in the evening when most bees are not foraging. As a result, the bee label language includes specific application directions depending on the crop type. For apple and pear, applications should not be made during onset of flowering until after petal fall is complete. For all blooming crops, applications should be restricted to the evenings when most bees are not foraging.

The environmental risk associated with the use of Minecto Pro is acceptable when used according to the label directions.

Value Assessment

Value information submitted included two trials to support the use of Minecto Pro to control thrips in Crop Group 3-07 (Bulb Vegetables), a scientific rationale to extrapolate from registered uses to use against *Liriomyza* leafminer in bulb vegetables, and a scientific rationale and three efficacy trials to support the use of non-ionic surfactant as an adjuvant in apples and pears.

The submitted efficacy trials and scientific rationales were sufficient to support the addition of Crop Group 3-07: Bulb Vegetables, to the label of Minecto Pro with a claim for control of thrips and *Liriomyza* leafminer. The submitted value information was also sufficient to support the addition of an option to use a non-ionic surfactant to the registered claims for apple and pear.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to amend the label of Minecto Pro as described above.

References

PMRA

Document

Number	Reference
2702628	2016, Occupational Exposure Risk Assessment for Minecto Pro, DACO: 5.2,5.3,5.6
2980222	2019, MIII - Section 7 - Minecto Pro - Value Summary 2019-03-25, DACO: 10.1,10.2.3.1,10.2.3.3,10.3.1,10.3.2
2980223	2019, Efficacy Summary Table - Minecto Pro, DACO: 10.2.3.1,10.2.3.3,10.3.1,10.3.2
2980224	2017, Trial Summary Report - Minecto Pro Tolerance in apples, Barrie, Ontario, 2017 (APP01-17), DACO: 10.2.3.1,10.2.3.3,10.3.1,10.3.2
2980225	2015, Trial Summary Report - CYNT+ABA: US Efficacy Trials - Apples (APP02-15), DACO: 10.2.3.1,10.2.3.3,10.3.1,10.3.2
2980226	2015, Trial Summary Report - CYNT+ABA: US Efficacy Trials - Apples (APP03-15), DACO: 10.2.3.1,10.2.3.3,10.3.1,10.3.2
2980227	2015, Trial Summary Report - CYNT+ABA: US Efficacy Trials - Apples (APP04-15), DACO: 10.2.3.1,10.2.3.3,10.3.1,10.3.2
2980228	2018, Trial Summary Report - Evaluate surfactants with Minecto Pro for control of thrips in onions (ONI01-18), DACO: 10.2.3.1,10.2.3.3,10.3.1,10.3.2
2980229	2018, Trial Summary Report - Evaluate surfactants with Minecto Pro for control of thrips in onions (ONI02-18), DACO: 10.2.3.1,10.2.3.3,10.3.1,10.3.2

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