

Clariva pn

Evaluation Report for Category B, Subcategory 3.1 and 3.10 Application

Application Number: 2016-3130
Application: Category B, Subcategory 3.1 and 3.10 Application
Product: Clariva pn
Registration Number: 31681
Active ingredient (a.i.): *Pasteuria nishizawae* Pn1 (PNZ)
PMRA Document Number: 2665192

Background

Clariva pn has been registered since May 22nd, 2015. When applied according to label directions, this nematicide provides suppression of soybean cyst nematode (*Heterodera glycines*) on soybeans at a rate of 10 million spores per seed. This product is currently registered for use along with a variety of tankmix partners, including Apron Maxx RTA, Maxim 480FS and Vibrance 500FS.

Purpose of Application

The purpose of the application is to add a lower end rate range and a new tankmix partner to the label: suppression of soybean cyst nematode (*Heterodera glycines*) on soybeans at a rate of 8-10 million spores per seed, which can be used alongside with Vibrance Maxx RFC as a tankmix partner.

Chemistry, Health and Environmental Assessment

A chemistry assessment was not required as there were no changes to product chemistry. Health and environmental assessments were not required since the use pattern, including host crop, maximum application rates and timings, of the component product remained unchanged.

Value Assessment

Value information and scientific rationale was reviewed in support of these claims. The results from four field trials and two greenhouse trials, conducted during 2014 and 2015 in Alberta and Ontario respectively, demonstrated comparable disease suppression between 8 and 10 million spores per seed rates, while providing evidence that Vibrance Maxx RFC would be an appropriate tankmix partner, further evidenced by supplemental efficacy data. This registration would enable the use of one mixture to combat various pathogens on soybeans, as well as providing growers with a greater flexibility when preparing slurries for multiple seed lots and calibration.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to support the addition of a lower rate range for the suppression of soybean cyst nematode (*Heterodera glycines*) on soybeans, specifying that the lower rate is to be used when nematode pressure is expected to be low and the high rate when nematode pressure is expected to be moderate to high, as well as the addition of a new tankmix partner, Vibrance Maxx RFC.

References

- PMRA# 2651333 2016, Clariva pn efficacy summary, DACO: M10.1
PMRA# 2384717 2013, Clariva pn value summary, DACO: M1.2, M10.1,M10.3.1, M10.3.2.1, M10.4.1, M10.4.2, M10.4.3, M10.4.4
- PMRA# 2651334 2016, Data summary tables, DACO: M10.1
PMRA# 2384718 2013, Clariva pn data summary table, DACO: M10.1
PMRA# 2659265 2016, Submission Number 2016-3130 CLARIVA pn (Reg. No. 31681) Clarification response, DACO: 0.8

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