



Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2019-3424
Application: Changes to Product Labels - New Sites or Host
Product: Chloropicrin 100 Liquid Soil Fumigant
Registration Number: 25863
Active ingredient (a.i.): Chloropicrin
PMRA Document Number: 3134065

Purpose of Application

The purpose of this application was to amend Chloropicrin 100 Liquid Soil Fumigant to be used on field-grown cannabis and hemp for the control of root knot and root lesion nematodes and soil borne diseases caused by *Phytophthora* spp., *Fusarium* spp., *Pythium* spp., and *Thielaviopsis* spp.

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 Chloropicrin 100 Liquid Soil Fumigant on field-grown cannabis and hemp is not expected to result in potential occupational or bystander exposure over the registered use of chloropicrin. 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 chloropicrin in field-grown cannabis and hemp were submitted to support the use expansion of this active on the Chloropicrin 100 Liquid Soil Fumigant label. Previously reviewed residue data from field trials conducted in/on pepper, squash, cantaloupe, tomato, cucumber, Brassica vegetables, spices, and root crops were reassessed in the framework of this application. In addition, soil and plant metabolism studies on file for chloropicrin were also reassessed.

Maximum Residue Limits

Based on the results from the soil and plant metabolism studies, the residue field trial studies on file for numerous crops, and the physical/chemical properties of chloropicrin, no quantifiable residues of chloropicrin are expected in cannabis or hemp treated according to the proposed use pattern. As such, residues of chloropicrin in/on cannabis and hemp food commodities will be covered under Part B, Division 15, subsection B.15.002(1) of the FDAR (i.e. ≤ 0.1 ppm).

Environmental Assessment

The application rate for the use expansion is the same as the currently registered uses from broadcast or banded applications for chloropicrin. Therefore, there is no anticipated environmental risk associated with this use expansion of Chloropicrin 100 Liquid Soil Fumigant. for the control of root knot nematode, root lesion nematode, *Phytophthora* spp., *Fusarium* spp. and *Pythium* spp. in field-grown cannabis and hemp in Canada. Environmental concerns are addressed in the environmental label statements.

Value Assessment

The applicant submitted a rationale to support a label expansion for Chloropicrin 100 Liquid Soil Fumigant. The directions of use are similar to that of the registered use patterns on a wide range of crops. Based on the weight of evidence, the claim is supported from the value perspective.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the amendment to add the use on field-grown cannabis and hemp to the label of Chloropicrin 100 Liquid Soil Fumigant.

References

PMRA Document Number 3013954	References 2019, DACO Part 10 Efficacy rationale - (chloropicrin soil fumigants), DACO: 10.1
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