

Evaluation Report for Category B, Subcategories 2.3, 2.4 Application

Application Number: 2017-0757
Application: New EP Product Chemistry-Identity of Formulants
New EP Product Chemistry-Proportion of Formulants
Product: Quali-Pro T-Nex 12ME
Registration Number: 33385
Active ingredient (a.i.): Trinexapac-ethyl
PMRA Document Number: 2969626

Purpose of Application

The purpose of this submission was to register a new end-use product for application to turfgrass on golf courses and sod farms, containing the plant growth regulator trinexapac-ethyl. The application was based on a precedent product.

Chemistry Assessment

Quali-Pro T-Nex 12ME is formulated as an emulsifiable concentrate containing trinexapac-ethyl at a nominal concentration of 120 g/L. This end used product has a density of 0.992 g/mL and pH of 3.22. The chemistry requirements for this product have been fulfilled.

Health Assessments

Quali-Pro T-Nex 12ME is of low acute toxicity via the oral, dermal and inhalation routes in rats, and minimally irritating to the eyes and skin based in rabbits. Quali-Pro T-Nex 12ME is not a dermal sensitizer.

The use pattern of Quali-Pro T-Nex 12ME, for application to turf in sod farms and golf courses, was compared to that of the registered precedent product. The exposure to mixers, loaders, applicators, postapplication workers and golfers is not expected to exceed the current exposure to the registered product. The risk assessments on file for trinexapac-ethyl are adequate to address the potential exposure from the proposed uses. No health risks of concern are expected, provided that workers wear the appropriate PPE and follow all label directions.

A dietary risk assessment was not required for this application.

Environmental Assessment

No additional risk to the environment resulting from the registration of Quali-Pro T-Nex 12ME is expected compared to the current registered uses of the precedent product. Environmental concerns have been mitigated through adequate statements on the product label.

Value Assessment

Data from field trials conducted on golf courses in Alberta, Ontario and Quebec in 2017 were provided in support of the registration of Quali-Pro T-Nex 12ME. Turf grass parameters that were measured in the trials for which data were provided for review included canopy reflectance, leaf chlorophyll index, colour, quality, density, phytotoxicity and dry clipping yield. The trial data demonstrated that an application of Quali-Pro T-Nex 12ME as per label directions would be expected to have similar growth regulating effects to that of the precedent product. The value information collectively supports the registration of Quali-Pro T-Nex 12ME for growth regulating uses in turf grass grown throughout Canada.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the registration of Quali-Pro T-Nex 12ME

References

PMRA

Document

Number	Reference
2726928	2014, Quali-Pro T-Nex 1AQ Product Identity and Composition, DACO: 3.2.1,3.2.2,3.2.3,3.3.1 CBI
2726929	2014, Physical and Chemical Properties Testing of T-Nex 1AQ, DACO: 3.4.1,3.5.1,3.5.10,3.5.11,3.5.14,3.5.2,3.5.3,3.5.6,3.5.7,3.5.8,3.5.9
2726930	2016, To determine the stability profile of the ADAMA Australia Pty Ltd. product Qualipro Marvel 120ME,, DACO: 3.4.1,3.5.10
2739054	2017, Chemistry-3.1.1-4-QP-T-NEX 12ME-10mar2017, DACO: 3.1.1,3.1.2,3.1.3,3.1.4
2859619	2016, Accelerated Storage Stability and Corrosion Characteristics of CSI T-NEX, DACO: 3.4.1,3.5.10 CBI
2859620	2016, Stability waiver-T-Nex II-AL, DACO: 3.4.1,3.5.10 CBI
2873319	2018, Accuracy and Specificity of CSI T-NEX, DACO: 3.4.1 CBI
2726936	2014; CSI T-Nex 120 AQ: Acute Oral Toxicity – Up-and-Down Procedure in Rats; DACO 4.6.1
2726931	2014; CSI T-Nex 120 AQ: Acute Dermal Toxicity in Rats; DACO 4.6.2
2726932	2014; CSI T-Nex 120 AQ: Acute Inhalation Toxicity in Rats; DACO 4.6.3
2726933	2014; CSI T-Nex 120 AQ: Primary Eye Irritation in Rabbits; DACO 4.6.4
2726934	2014; CSI T-Nex 120 AQ: Primary Skin Irritation in Rabbits; DACO 4.6.5
2726935	2014; CSI T-Nex 120 AQ: Dermal Sensitization Test in Guinea Pigs; DACO 4.6.6
2843376	2017, Greens and Fairway Height Growth Regulator Trial - A Field Study, DACO: 10.2.3.3(B).
2843377	2017, Evaluation of ADAMA's Trinexapac Formulations in Putting Green Turf, DACO: 10.2.3.3(B).
2843378	2017, Evaluation of ADAMA's Trinexapac Formulations in Turf, DACO: 10.2.3.3(B).
2843379	2016, 2017 Plant growth regulators trial in turf, DACO: 10.2.3.2(B).

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