

Evaluation Report for Category B, Subcategory 3.4 & 3.10 Application

Application Number: 2010-3748
Application: B.3.4 Changes to Product Labels - Application Method
B.3.10 Changes to Product Labels - Tank Mixes
Product: Mycostat-Q
Registration Number: 25744
Active ingredients (a.i.): Didecyl dimethyl ammonium chloride (QAK)
PMRA Document Number (English PDF): 2022462

Purpose of Application

The purpose of this application was to add a tank mix with Polyphase AF-1 (Registration number 21751) to the Mycostat-Q label, as well as a new application method (diptank).

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The addition of a new tank-mix partner and of a new application method does not affect the toxicological profile of Mycostat-Q.

The use of the new tank-mix of Mycostat-Q and Polyphase AF-1 using spraybox or diptank application should not result in potential occupational exposure over the registered uses of didecyldimethyl ammonium chloride (DDAC) or iodocarb. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

A food residue assessment was not required for this application.

Environmental Assessment

No additional risk to the environment resulting from the new tank-mix partner, as well as a new application method (diptank), is expected.

Value Assessment

The efficacy data from an eight-month field trial were provided in support of this tank mix. The field trial was carried out in a sawmill yard, and involved testing wood dip-treated with three dilutions of the tank mix concentrate and one dilution of Mycostat-Q alone, along with an untreated control. The deposition rates of the actives on the lumber were confirmed by analysis. The test samples consisted of 40 boards (4 ft - 2" x 4") per treatment, which were stacked, wrapped in plastic and evaluated for fungal growth at the end of the trial. The fungal growth was evaluated at regular intervals up to eight months. The proposed tank mix of Mycostat-Q and Polyphase AF-1 resulted in a more effective protection against fungal growth for lumber over a longer period of time and at a lower overall deposition of active ingredients than with either of the individual antisapstain products alone.

Conclusion

The PMRA has completed an assessment of the subject application and found the information sufficient to add a tank mix with Polyphase AF-1 (Registration number 21751) to the Mycostat-Q label, as well as a new application method (dip-tank).

References

PMRA#	Reference
1946756	2010, Efficacy Evaluation of DDAC (Mycostat Q) Alone and of DDAC (Mycostat Q) in Combination with IPBC (Polyphase AF-1), DACO 10.2.3.3
1988262	Adverse Effects on Use Site-Summaries, Non-Safety Adverse Effects, Use Description/Scenario, DACO: 10.3.1,10.3.2,5.2

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