

Evaluation Report for Category B, Subcategory 3.1, 3.10 and 3.4 Application

Application Number: 2017-5078
Application: B.3.1 - Changes to Application Rate Increase or Decrease
B.3.4 - Changes to Application Method
B.3.10 - Change to Tank Mixes
Product: Pinestick
Registration Number: 32816
Active ingredients (a.i.): Surfactant Blend
PMRA Document Number : 2958290

Purpose of Application

The purpose of this application was to amend the label of Pinestick

1. to include its use at 0.5x the concentration of that specified for listed herbicide products and
2. for use as an alternative non-ionic surfactant with glyphosate products for vegetation management uses.

Chemistry Assessment

Chemistry assessment was not required for this application.

Health Assessments

The use rates of Pinestick do not exceed the registered use rate of the non-ionic adjuvant currently listed on each tank-mix partner label. When it is used together with end-use products containing various active ingredients, no change in the magnitude of residues is expected in animal commodities when feeding on treated non-crop lands (including pasture and rangeland). Therefore, dietary exposure to these active ingredients is not expected to increase, and will not pose an unacceptable risk to any segment of the populations, including infants, children, adults and seniors.

The registered non-ionic nonyl phenol ethoxylate (NPE)-free spray adjuvant Pinestick in combination with the end-use products or when use at the lower rates on non-crop land is not expected to result in increased potential occupational or bystander exposure over the registered uses of the end-use products. No health risks of concern are expected when workers follow label directions and wear the personal protective equipment as stated on the label.

Environmental Assessment

The amendments to the product label of Pinestick to include lower application rates, add several tank-mixes, and add its use as a surfactant does not pose any additional risk to the environment.

Value Assessment

The option to apply Pinestick at a rate that is one-half of the non-ionic rate specified on the labels of listed herbicides, including those containing glyphosate, for vegetation management uses, can be expected to be of benefit to applicators, particularly in that less product would have to be handled and transported to more remote locations where vegetation management herbicides are often used.

The applicant submitted reports of field studies in which Pinestick was applied with each of three vegetation management herbicides: Navius Herbicide, Truvist Herbicide and Telar Herbicide. For each herbicide, the level of weed control in which Pinestick was applied at 0.5x the maximum rate was similar to that in which Pinestick was included in the spray solution at its maximum rate. The performance of Pinestick applied at either of these rates was comparable to that of tested non-ionic surfactants applied at the rate of non-ionic surfactant specified on the herbicide label. The performance of Pinestick applied at 0.5x its maximum rate with other labelled vegetation management herbicides containing active ingredients belonging to the same mode of action groups as those in the tested herbicides can also be expected to be similar to the rate of non-ionic surfactant specified on the herbicide product labels.

Use history information was submitted to support the use of Pinestick with glyphosate herbicides for vegetation management uses. It was indicated that the same product, marketed in the U.S. under different brand names, has been sold widely across the U.S. for use with vegetation management herbicides for several years and that it generally performs as well at the minimum rate as the maximum rate of other widely used non-ionic surfactants. This information, combined with the performance data discussed above supports the use of Pinestick at 0.5-1x the non-ionic surfactant rate specified on the glyphosate herbicide product labels for vegetation management uses. The maximum rate of Pinestick is intended for use where weed densities are higher.

Conclusion

The PMRA has reviewed the information provided in support of the amendments to the Pinestick label. Based on the results of this review, these amendments are acceptable to appear on the Pinestick label.

References

2802065	2015, Performance of Navius plus adjuvants on Non-crop vegetation/pasture, DACO: 10.2.3.3,10.3.2
2802066	2015, 15W43 Norac Telar vegetation management 2015, DACO: 10.2.3.3,10.3.2
2802067	2015, 15W42 - Norac TruVist vegetation management, DACO: 10.2.3.3,10.3.2
2802069	2017, Use History Template, DACO: 10.7.2

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