

Evaluation Report for Category B, Subcategories 3.10 and 3.12 Application

Application Number: 2017-1510
Application: Changes to Product Labels-Tank Mixes, New Site or Host
Product: LI 700
Registration Number: 23026
Active ingredients (a.i.): Surfactant Blend
PMRA Document Number : 2923002

Purpose of Application

The purpose of this application was to expand the registration of LI 700 a non-ionic surfactant containing 80% surfactant blend, to include its application at 0.25% v/v with the additional herbicide products Pardner Herbicide (Reg. No. 18001), Curtail M Herbicide (Reg. No. 30914), and Lontrel 360 Herbicide (Reg. No. 23545).

Health Assessments

No new residue data were submitted to support the addition of the end-use products (EPs) Pardner Herbicide (bromoxynil 280 g/L), Lontrel 360 Herbicide (clopyralid 360 g/L) and Curtail M Herbicide (clopyralid 50 g ae/L + MCPA 280 g ae/L) to the LI 700 adjuvant label. The proposed tank-mix partners are registered for use with non-ionic type surfactants. As such, when LI 700, which is also a non-ionic type surfactant, is used in combination with the proposed EPs containing the active ingredients bromoxynil, clopyralid or MCPA, no change in the magnitude of the residues is expected in treated crops. Therefore, dietary exposure to bromoxynil, clopyralid or MCPA 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 use of LI 700 adjuvant in combination with the end-use products Pardner Herbicide, Lontrel 360 Herbicide or Curtail M Herbicide for use as directed on the labels is not expected to result in increased 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 personal protective equipment as stated on the label.

A toxicology assessment was not required for this application.

Value Assessment

LI 700 represents an additional non-ionic surfactant option for growers when applying Pardner Herbicide, Curtail M Herbicide and Lontrel 360 Herbicide for those uses requiring a surfactant, as per the herbicide labels.

Value information submitted was small-scale field studies in which the performance of 0.25%

v/v LI 700 was directly compared to that of non-ionic surfactants registered for use at either 0.2% or 0.25% v/v with Pardner Herbicide, Curtail M Herbicide and Lontrel 360 Herbicide. These herbicides require a non-ionic surfactant when applied in tank mixture with certain other herbicides.

The level of weed control achieved in treatments of a particular herbicide with LI 700 was generally similar to that observed in treatments of the same herbicide with a non-ionic surfactant registered for use with that herbicide, including in those trials in which weed control was greater in treatments of the tested herbicide with an added adjuvant as compared to where no adjuvant was added. In trials in which crop injury was observed, the degree of crop injury was generally similar among adjuvant treatments, including the treatment of herbicide with no added adjuvant.

Chemistry and Environmental Assessments

Chemistry and environmental assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the expansion of the registration of LI 700 to include its application with the additional herbicide products Pardner Herbicide, Curtail M Herbicide, and Lontrel 360 Herbicide.

References

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