

Evaluation Report for Category B, Subcategory 3.1, 3.10, 3.11, 3.12 Application

Application Number: 2018-0545
Application: New or Changes to Product Labels-Application Rate Increase or Decrease
New or Changes to Product Labels-Tank Mixes
New or Changes to Product Labels-New Pests
New or Changes to Product Labels-New Site or Host
Product: Davai 80SL Herbicide
Registration Number: 32929
Active ingredients (a.i.): Imazamox
PMRA Document Number: 2897393

Purpose of Application

The purpose of this application was to amend the label of Davai 80SL Herbicide to include the use on dry beans, to increase the application rate for field peas, to add a tank mix, to add several adjuvants, and the addition of pests.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The use pattern for Davai 80SL Herbicide, including the addition of dry beans, an increase in rate for field peas, alternate adjuvants, and new tank-mix partner, are not expected to increase the occupational exposure compared to the registered use pattern for imazamox, adjuvants and the new tank-mix. No health 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 imazamox in field peas or dry beans were submitted to support the use expansion of this active on the Davai 80SL Herbicide label. Previously reviewed residue data from field trials conducted in/on imazamox were reassessed in the framework of this petition. Based on this assessment, exposure to residues of imazamox in/on dry beans and field peas treated according to the approved use directions for Davai 80SL Herbicide will not pose an unacceptable health risk to any segment of the population, including infants, children, adults and seniors.

A toxicology assessment was not required for this application.

Environmental Assessment

The label expansions for Davai 80SL Herbicide are supported from an environmental perspective provided that environmental risk reduction and hazard statements included on the label are followed.

Value Assessment

The inclusion of dry common beans on the Davai 80SL Herbicide label provides growers with the first liquid imazamox formulation to manage both grasses and broadleaf weeds in this crop. Along with other label changes, growers will have greater flexibility to employ this herbicide for early weed management in field peas, soybeans, and dry common beans and to choose adjuvants that are available in the marketplace.

Value information submitted for review included scientific rationales and data from replicated field trials, which were conducted in the Canadian Prairies and Ontario in 2016 and 2017. Based on the information available, the following changes to the registration of Davai 80SL Herbicide are considered to have acceptable value and are supported: (1) increase the application rate for field peas from 187.5 mL/ha to 250 mL/ha when applied alone; (2) increase the application rate for field peas from 187.5 mL/ha to 200 mL/ha when applied in tank mix with Phantom 240 SL for control of a broader spectrum of weeds; (3) include dry bean as a host crop for an early post-emergent application at 250 mL/ha alone or at 200 mL/ha in tank mix with Phantom 240 SL for control of labelled weeds; (4) include Basagran Forte at 1.25 L/ha as a tank mix partner for use on soybeans, field peas, and dry beans for additional suppression of annual sow-thistle; (5) add Adama Adjuvant 80, Agral 90, Hasten NT Ultra, and Norac MSO as alternatives to Merge Adjuvant for application with Davai 80SL Herbicide alone or in tank mix with Phantom 240 SL, and (6) add claims of control of green foxtail, yellow foxtail, chickweed, smartweed, and lamb's-quarters and suppression of barnyard grass, volunteer barley, wild buckwheat, and volunteer canola for the tank mixture of Davai 80SL Herbicide at 200 mL/ha + Phantom 240 SL at 65 mL/ha.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Davai 80SL Herbicide, and has found the information sufficient to amend the label as described above.

References

PMRA References

Document Number

- 2847809 2016, Determine efficacy of ADAMA Imazamox 80SL alone or in combination with Phantom or Basagran, DACO: 10.2.3.3(B) and 10.3.2.
- 2847811 2016, Imazamox 80SL mixes in peas, DACO: 10.2.3.3(B) and 10.3.2.
- 2847812 2016, Evaluate efficacy of Imazamox 80SL alone and in combination with Phantom and Basagran Forte, as well as compared to commercial standards, DACO: 10.2.3.3(B) and 10.3.2.
- 2847813 2016, Evaluate efficacy of Imazamox 80SL alone and in combination with Phantom and Basagran Forte, as well as compared to commercial standards, DACO: 10.2.3.3(B) and 10.3.2.
- 2847814 2017, Imazamox 80 SL + Adjuvant mixes in peas, DACO: 10.2.3.3(B) and 10.3.2.
- 2847815 2017, Imazamox 80 SL + Adjuvant mixes in peas, DACO: 10.2.3.3(B) and 10.3.2.
- 2847816 2017, Evaluate Arrow All-In with adjuvants for efficacy and crop tolerance in peas, DACO: 10.2.3.3(B) and 10.3.2.
- 2847817 2017, Evaluate efficacy of ADAMA 80 SL with various adjuvants, DACO: 10.2.3.3(B) and 10.3.2.
- 2847819 2016, SOY 1_CA-21143816-DRY-SOYS-FW-Imazamox mixes in dry beans and soys, DACO: 10.2.3.3(B) and 10.3.2.
- 2847820 2016, Imazamox 80SL mixes in soybeans, DACO: 10.2.3.3(B) and 10.3.2.
- 2847821 2016, Weed management in soybean with Adama herbicides applied post-emergence I, DACO: 10.2.3.3(B) and 10.3.2.
- 2847822 2018, Imazamox 80 SL + Adjuvant mixes in soybeans, DACO: 10.2.3.3(B) and 10.3.2.
- 2847823 2017, Imazamox 80 SL + Adjuvant mixes in soybeans, DACO: 10.2.3.3(B) and 10.3.2.
- 2847824 2017, Imazamox 80 SL + Adjuvant mixes in soybeans, DACO: 10.2.3.3(B) and 10.3.2.
- 2847825 2016, Imazamox 80SL mixes in dry beans, DACO: 10.2.3.3(B) and 10.3.2.
- 2847826 2016, Imazamox 80SL mixes in dry beans, DACO: 10.2.3.4(B).
- 2847827 2018, Imazamox 80SL mixes in dry Beans, DACO: 10.2.3.3(B) and 10.3.2.
- 2847828 2017, Imazamox 80 SL + Adjuvant mixes in dry beans, DACO: 10.2.3.3(B) and 10.3.2.

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