

Evaluation Report for Category B, Subcategory 3.9 & 3.11 Application

Application Number: 2022-2051
Application: New or Changes to the Product Label (New Level of Control, New Pests)
Product: Insight 339SC Herbicide
Registration Number: 34234
Active ingredients (a.i.): 339 g/L Tiafenacil
PMRA Document Number : 3398433

Background

Insight 339SC Herbicide (Reg. No. 34234) is a suspension concentrate, non-selective, contact (burndown) herbicide containing 339 g/L tiafenacil and is registered for the pre-plant and pre-emergence burndown control or suppression of labelled weeds under 12.5 cm in height in field corn and spring wheat, as well as pre-plant burndown in soybean and post-emergence burndown in grape, fallow fields and non-cropland areas. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of the subject application is to amend the Insight 339SC Herbicide label to add early-season control claims for wild oat and volunteer canola, as well as change the claims of early-season suppression of lamb's quarters, wild buckwheat and redroot pigweed to claims of early-season control.

Chemistry, Health and Environmental Assessment

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

Value Assessment

The expansion of the Insight 339SC Herbicide label to include wild oat and volunteer canola as weeds controlled (early-season), in addition to changing the claims of early-season suppression to claims of early-season control for lamb's quarters, redroot pigweed and wild buckwheat provides growers with an additional option for the control of a wider array of weed species in labelled crops and use sites.

The information provided for review included a rationale and data from field trials conducted throughout the United States and Canadian Prairies. The value information demonstrated that, when applied per label directions, Insight 339SC Herbicide would be expected to provide

acceptable levels of early-season control for wild oat, volunteer canola, redroot pigweed, lamb's quarters and wild buckwheat.

Conclusion

The PMRA has completed an assessment of the subject application and has found the information sufficient to support the inclusion of wild oat and volunteer canola as weeds control (early-season), as well as the change of the claims of early-season suppression to early-season control for redroot pigweed, lamb's quarters and wild buckwheat on the Insight 339SC Herbicide label.

References

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| 3354723 | 2021, Efficacy of DCC-3825 in Tank Mix with SL-573, DACO: 10.2.3.3 |
| 3354724 | 2021, Evaluate wild oat efficacy at early timing as influenced by adjuvant selection, DACO: 10.2.3.3 |
| 3354726 | 2020, Evaluate the efficacy of GWN 10698 as an early timing for pre-seed burndown grassy and broadleaf control. Key target weeds are wild oat and kochia, DACO: 10.2.3.3 |
| 3354727 | 2020, Evaluate the efficacy of GWN 10698 as an early timing for pre-seed burndown grassy and broadleaf control. Key target weeds are wild oat and kochia, DACO: 10.2.3.3 |
| 3354728 | 2020, Evaluate the efficacy of GWN 10698 as an early timing for pre-seed burndown grassy and broadleaf control. Key target weeds are wild oat and kochia, DACO: 10.2.3.3 |
| 3354729 | 2020, Evaluate the efficacy of GWN 10698 as a late timing for pre-seed burndown grassy and broadleaf control. Key target weeds are wild oat and kochia, DACO: 10.2.3.3 |
| 3354730 | 2020, Evaluate the efficacy of GWN 10698 as a late timing for pre-seed burndown grassy and broadleaf control. Key target weeds are wild oat and kochia, DACO: 10.2.3.3 |
| 3354731 | 2020, Evaluate the efficacy of GWN 10698 as a late timing for pre-seed burndown grassy and broadleaf control. Key target weeds are wild oat and kochia, DACO: 10.2.3.3 |
| 3354732 | 2020, Evaluate the efficacy of GWN 10698 as a late timing for pre-seed burndown grassy and broadleaf control. Key target weeds are wild oat and kochia, DACO: 10.2.3.3 |
| 3354733 | 2019, Evaluate the efficacy of GWN 10698 as a pre-seed burndown for grassy and broadleaf weed control. Key target weeds are wild oat, kochia and volunteer RR |

canola, DACO: 10.2.3.3

- 3354734 2021, Efficacy of DCC-3825 in Tank Mix with Glufosinate, DACO: 10.2.3.3
- 3354735 2019, Evaluate the efficacy of GWN 10698 as a pre-seed burndown for grassy and broadleaf weed control. Key target weeds are wild oat, kochia and volunteer RR canola, DACO: 10.2.3.3
- 3354736 2019, Evaluate the efficacy of GWN 10698 as a pre-seed burndown for grassy and broadleaf weed control. Key target weeds are wild oat, kochia and volunteer RR canola, DACO: 10.2.3.3
- 3354737 2019, Evaluate the crop tolerance and efficacy of GWN 10698 as a pre-seed burndown for grassy and broadleaf weed control. Key target weed is kochia, DACO: 10.2.3.3
- 3354738 2018, PREPLANT/PREEMERGENCE BURNDOWN WEED CONTROL WITH TIAFENACIL IN OILSEED CROPS (CANOLA/FLAX), DACO: 10.2.3.3
- 3354739 2021, Efficacy of DCC-3825 in Tank Mix with SL-573, DACO: 10.2.3.3
- 3354740 2021, Efficacy of DCC-3825 in Tank Mix with Glufosinate, DACO: 10.2.3.3
- 3354741 2021, Efficacy of DCC-3825 in Tank Mix with S-Metolachlor, DACO: 10.2.3.3
- 3354742 2021, Efficacy of DCC-3825 in Tank Mix with S-Metolachlor, DACO: 10.2.3.3
- 3354743 2020, Efficacy of DCC-3825 at lower rates of MSO, DACO: 10.2.3.3
- 3354744 2021, Efficacy of DCC-3825 at lower rates of MSO, DACO: 10.2.3.3
- 3354745 2021, Evaluate the crop tolerance and efficacy of GWN 10698 as a pre-seed burndown for grassy and broadleaf weed control. Key target weeds are kochia & all broadleaf weeds, DACO: 10.2.3.3
- 3354746 2022, Value Summary for Insight 339SC Herbicide, containing Tiafenacil, for Burndown control of weeds, DACO: 10.1, 10.2, 10.2.3.3, 10.3.2, 10.4, 10.5.3, 10.5.4

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