

Evaluation Report for Category C, Subcategory C.3.11 Application (New or Changes to Pests)

Application Number: 2012-1495
Application: Category C, Subcategory C.3.11 (new or changes to the pests)
Product: Heat WG Herbicide
Registration Number: 29368
Active ingredients (a.i.): 70% saflufenacil
PMRA Document Number : 2200774

Background

Heat WG Herbicide is presently registered at the rate of 26 or 71 g/ha (i.e. 18 or 50 g a.i./ha) plus 0.5 L/ha Merge Spray Adjuvant applied as pre-seed or pre-emergence to lentils, soybeans, barley, canary seed, chickpea (kabuli only), field and sweet corn, dry field peas, and wheat for rapid burndown control or rapid burndown control plus suppression of secondary flush of certain broadleaf weeds. Heat WG Herbicide should always be applied in tank mixture with glyphosate herbicide. 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 applicant has applied to amend the registration of Heat WG Herbicide to include a suppression claim for secondary flushes of volunteer canola (all types including Roundup Ready) when applied at the rate of 71 g a.i./ha.

Please Note: A claim of rapid burndown for volunteer canola (all types including Roundup Ready) is labelled for Heat WG Herbicide at the rate of 26 g/ha.

Chemistry, Health, and Environmental Assessments

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

Value Assessment

Data from 15 efficacy trials conducted in Alberta, Manitoba, Saskatchewan, and Ontario over 3 years were submitted. In order to assess residual efficacy of Heat WG Herbicide for control of volunteer canola, Heat WG Herbicide at 50 g a.i./ha + Merge Spray Adjuvant at 0.5 or 1.0% v/v was applied pre-emergence to the weeds. Visual percent control was reported for volunteer canola up to 4 times during the field season.

Based on data from the field trials, the treatment of Heat WG Herbicide at 50 g a.i./ha + Merge Spray Adjuvant at 0.5 or 1.0% v/v provided an acceptable level of volunteer canola suppression up to 66 days after treatment. Therefore, a suppression claim for secondary flushes of volunteer canola was supported for the treatment of Heat WG Herbicide + Merge Spray Adjuvant.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Heat WG Herbicide to include a suppression claim for secondary flushes of volunteer canola.

Reference

List of Studies/Information Submitted by Registrant

PMRA # 2182425: Petition for rapid burndown and suppression of secondary flushes of volunteer canola. Authored by B. Geisel and C. Headon. BASF Canada Inc. DACO. 10. April 5, 2012. pp. 175.

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