

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

Application Number: 2009-4028
Application: Category C, Subcategory C.3.11 (new or changes to pests)
Product: Express Pro Herbicide
Registration Number: 29212
Active ingredients (a.i.): 42.9% tribenuron methyl and 8.6% metsulfuron methyl
PMRA Document Number : 1848321

Background

Express Pro Herbicide is a co-formulation containing 42.9% tribenuron methyl (Group 2 Herbicide) and 8.6% metsulfuron methyl (Group 2 Herbicide) registered for application in combination with glyphosate herbicides for the control or suppression of grass and broadleaf weeds in summerfallow and on fields to be planted to wheat (spring, durum, and winter) and spring barley. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

E.I. du Pont Canada Company has applied to amend the registration of Express Pro Herbicide to include control claims for white cockle and scentless chamomile.

Chemistry Assessment

A chemistry assessment was not required as there was no change to product chemistry.

Health Assessment

A health assessment was not required as there was no change to the product formulation and use pattern.

Environmental Assessment

An environmental assessment was not required as there was no change to the use site and pattern.

Value Assessment

Data from 11 efficacy trials were submitted for review. The trials were conducted in Alberta and Saskatchewan in 2006, 2008, and 2009.

Efficacy of Express Pro + a glyphosate herbicide (i.e. Roundup WeatherMax or Touchdown iQ or Touchdown Total) was assessed for white cockle in 6 trials. One trial was excluded from the review as the herbicide treatment was applied beyond the growth stage for labelling. Mean white cockle control following the application of Express Pro Herbicide + a glyphosate herbicide was 85.6% over 6 data points in 5 trials at mid rating (20-35 DAT) and 91.8% in 4 trials at late rating (33-56 DAT). As indicated by the registrant, "*the tribenuron methyl and metsulfuron methyl components in Express Pro herbicide are often slower acting than other herbicides*" which accounts for the lower rating at mid rating. Therefore, a control claim for white cockle with the treatment of Express Pro + a glyphosate herbicide can be supported from an efficacy standpoint.

Efficacy data from 5 trials were available for scentless chamomile. Mean scentless chamomile control following the application of Express Pro Herbicide + a glyphosate herbicide was 82.8% over 5 trials at the mid rating and 88.9% over 5 trials at the late rating. Therefore, a control claim for scentless chamomile with the treatment of Express Pro + a glyphosate herbicide can be supported from an efficacy standpoint.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Express Pro Herbicide to include control claims for white cockle and scentless chamomile.

Reference

List of Studies/Information Submitted by Registrant

PMRA # 1807105: Express Pro Herbicide for control of white cockle and scentless chamomile. DACO. 10.2.3.3. September 28, 2009. pp. 176

ISSN: 1911-8082

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