

Evaluation Report for Category C, Subcategory C.3.10 Application (New or Changes to Tank Mixes)

Application Number: 2011-1905
Application: Category C, Subcategory C.3.10 (new or changes to the tank mixes)
Product: Express SG Herbicide
Registration Number: 28262
Active ingredients (a.i.): 50% tribenuron methyl
PMRA Document Number English PDF: 2068485

Background

Express SG containing 50% tribenuron methyl (Group 2 Herbicide) is registered for control of certain broad-leaved weeds in summerfallow and on fields to be planted to spring wheat (including durum), winter wheat, spring barley, oats, canary seed, pulse crops and in pastures and rangelands and as well in tribenuron-methyl tolerant sunflowers (e.g. ExpressSun Sunflowers SU7). The labelled application rate for Express SG is 7.5 g a.i./ha. 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 registrant has applied to amend the registration of Express SG to include two tank mixes for control of wild oats (2-6 leaf) and suppression of green foxtail (2-6 leaf) in ExpressSun Sunflowers SU7 (2-8 leaf).

- Express SG at 7.5 g a.i./ha + Select EC at 45.6 g a.i./ha + Amigo at 1% v/v
- Express SG at 7.5 g a.i./ha + Centurion EC at 45.6 g a.i./ha + Amigo at 1% v/v

The registrant is not proposing any changes in crops or use rate to Express SG Herbicide.

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 3 combined efficacy and crop tolerance trials were submitted for review. The trials were conducted in Manitoba and Saskatchewan in 2009 and 2010. The tank mix of Express SG at 7.5 g a.i./ha plus Select EC at 47.5 g a.i./ha plus Amigo at 1.0% v/v was evaluated and also compared to each herbicide component applied alone.

Mean green foxtail control provided by the tank mix of Express SG plus Select EC plus Amigo over 2 trials was 83.1% at the mid season rating and 85.6% at the late season rating. Since less than 80% green foxtail control was observed in one of the 2 trials at both the mid and late season ratings, a suppression claim for green foxtail was supported for labelling.

Mean wild oat control provided by the tank mix of Express SG plus Select EC plus Amigo over 3 trials was 89.5% at the late season rating with greater than 80% control was reported in all trials. Therefore, a control claim for wild oats is supported for labelling.

Data also indicated that broadleaf weed control provided by Express SG component would not be compromised when tank mixing with Select EC.

Injury to ExpressSun Sunflowers SU7 variety 63N82 following the application of Express SG plus Select EC plus Amigo was evaluated in all 3 trials. No injury was observed in any trial at any rating. In addition to the data from field research trials, the 7.5 g a.i./ha rate of Express SG is registered for use in ExpressSun Sunflowers SU7 and the 45.6 g a.i./ha rate of Select EC is registered for use in all types of sunflowers. Therefore, there would be no expectation of increased non-safety adverse effects on ExpressSun Sunflowers SU7.

Conclusions

The PMRA has completed an assessment of the subject application and has found the information sufficient to amend the registration of Express SG Herbicide to include the tank mixture of Express SG + Select EC + Amigo for control of wild oats and suppression of green foxtail in ExpressSun Sunflowers SU7. Since Centurion EC is a master copy of Select EC, the tank mixture of Express SG + Centurion EC + Amigo is also supported for labelling for the same use.

Reference

List of Studies/Information Submitted by Registrant

PMRA # 2048402: Express SG Herbicide + Clethodim Herbicide + Amigo Surfactant tank-mixture for control of wild oats and suppression of green foxtail in ExpressSun Sunflowers SU7. E.I. du Pont Canada Company. DACO. 10.2.3.3 and 10.3.2. March 15, 2011. pp. 87.

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