

Evaluation Report for Category 3, Subcategories 3.10 and 3.11 Application

Application Number: 2005-1219
Application: category B, subcategories: 3.10 (tank mixtures) and 3.11 (new pests)
Product: Classic[®] 25DF Herbicide
Registration Number: 25433
Active ingredients (a.i.): - Chlorimuron ethyl at 25%
PMRA Document Number: 1290942

Background

Classic[®] 25DF Herbicide has been registered since May 15, 1998. Classic[®] 25DF Herbicide is registered for selective postemergence control of broadleaf weeds in soybeans. 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 current submission is to amend the registration for Classic[®] DF Herbicide (chlorimuron ethyl 25.0%; PCP 25433) to add the following glyphosate products as tankmixes for preplant treatment of conventional and glyphosate tolerant soybeans: Touchdown iQ Herbicide[®] (PCP 27192), Roundup[®] Original Liquid Herbicide (PCP 13644), Vantage[®] Plus Herbicide Solution (PCP 26171), Glyphos[®] Soluble Concentrate Herbicide (PCP 24359) and Roundup[®] Weathermax[®] with Transorb[™] 2 Technology (PCP 27487). As well the registrant requested to add to the Classic[®] 25 DF label, four new pests (annual sowthistle, common lamb's quarters, prickly lettuce and yellow nutsedge) in preplant burndown treatment of conventional and glyphosate tolerant soybeans and two new pests (common lamb's quarters and prickly lettuce) in postemergence treatment of glyphosate tolerant soybeans only.

Chemistry Assessment

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

Health Assessment

A health assessment was not required since the use pattern, including host crops, application rates and timings of the component products remained unchanged.

Environmental Assessment

The proposed inclusion of new pests and new tank mixes do not pose additional risk to the environment. The proposed supplemental label has adequate environmental precautionary statements and buffer zone statements to mitigate the environmental concerns. Therefore, no additional review is needed.

Value Assessment

Data from a total of 28 trials conducted in 12 locations in Southern Ontario were submitted. Percent weed control with the tank mixture of Classic 25DF Herbicide (9 g a.i./ha) + Roundup Transorb Herbicide (900 g a.i./ha) applied preplant in soybeans was evaluated for yellow nutsedge (12 trials), common lamb's quarters (13 trials), prickly lettuce (9 trials) and annual sow-thistle (10 trials). Suppression of yellow nutsedge (80%) and control of common lamb's quarters (94%), prickly lettuce (91%), and annual sow thistle (96%) was acceptable at 42-76 days after treatments.

Rationales were also submitted for the following:

- 1) the addition of prickly lettuce and common lamb's quarters to the list of weeds controlled with the postemergence application of Classic 25DF Herbicide (9 g a.i./ha) + an approved glyphosate formulation (900 g a.e./ha), based on extrapolation of the data submitted for the preplant application timing;
- 2) the addition of various glyphosate formulations to the list of glyphosate products that may be tankmixed with Classic 25DF Herbicide for the preplant use, based on extrapolation from previous submissions that approved these glyphosate formulations in postemergent application with Classic 25DF Herbicide.

Both rationales were found to be acceptable.

Data were insufficient for a claim of 'residual season-long control' of all requested weeds in both the preplant and postemergence timings.

Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Classic[®] 25DF Herbicide to include the tank mixture of Classic[®] 25DF with one of the following glyphosate products: Touchdown iQ Herbicide[®], Roundup[®] Original Liquid Herbicide, Vantage[®] Plus Herbicide Solution, Glyphos[®] Soluble Concentrate Herbicide or Roundup[®] Weathermax[®] with Transorb[™] 2 Technology for the preplant treatment of conventional and glyphosate tolerant soybeans. As well the Classic[®] 25DF label amendments to claim control for the following new pests; annual sowthistle, common lamb's quarters, prickly lettuce and yellow nutsedge in preplant burndown treatment of conventional and glyphosate tolerant soybeans and common lamb's quarters and prickly lettuce in postemergence treatment of glyphosate tolerant soybeans only are acceptable.

Reference List

A. List of Studies/Information Submitted by Registrant

PMRA 1053756 CLASSIC® 25 DF HERBICIDE: SUBMISSION TO SUPPORT ADDING SEASON-LONG CONTROL OF YELLOW NUTSEDGE, ANNUAL SOW-THISTLE, COMMON LAMB'S-QUARTERS AND PRICKLY LETTUCE CONTROL TO THE CLASSIC® 25 DF HERBICIDE (REG. NO. 25433) + ROUNDUP® TRANSORB™ HERBICIDE (REG. NO. 25344) USE PATTERN. DACO 10.

PMRA 1009594 CLASSIC® 25 DF HERBICIDE: EFFICACY: SMALL SCALE TRIALS (FIELD, GREENHOUSE) HERBICIDES

PMRA 1034848 CLASSIC® 25 DF HERBICIDE: EFFICACY: SMALL SCALE TRIALS (FIELD, GREENHOUSE) HERBICIDES

PMRA 1068054 CLASSIC® 25 DF HERBICIDE: EFFICACY: SMALL SCALE TRIALS (FIELD, GREENHOUSE) HERBICIDES

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