



Evaluation Report for Category B, Subcategory 3.5 Application

Application Number: 2009-1247
Application: B.3.5 (Changes to product labels - Rotational crops)
Product: Simplicity
Registration Number: 28887
Active ingredients (a.i.): Pyroxsulam (JUA)
PMRA Document Number: 1792281

Purpose of Application

The purpose of this application is to add brown mustard, yellow mustard, dry beans and juncea canola as rotational crops 11 months following Simplicity Herbicide use on the field.

Chemistry Assessment

A chemistry assessment was not required on this application.

Health Assessments

Toxicology and occupational exposure assessments were not required on this application.

No new residue data were submitted to support the addition of brown mustard, yellow mustard, dry beans and juncea canola as rotational crops on the Simplicity Herbicide label. Data on file from a confined study in rotational crops indicate that no pyroxsulam residues are anticipated in the rotational crops at a plant-back interval of 11 months. The addition of brown mustard, yellow mustard, dry beans and juncea canola as rotational crops on the Simplicity Herbicide label will not increase the dietary exposure to pyroxsulam and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

An environmental assessment was not required on this application.

Value Assessment

Crop tolerance and yield data were submitted from a total of three rotational cropping trials for yellow mustard (commenced in 2006) conducted in Alberta, Saskatchewan and Manitoba and a total of four rotational cropping trials for dry bean (commenced in 2006 or 2007) conducted in Alberta, Saskatchewan (2) and Idaho (USA). Simplicity Herbicide was applied to spring wheat, durum wheat or bare ground at rates up to six times its registered rate and dry bean or yellow mustard were planted between 11 and 12 months after application. The crop injury and yield data that were provided indicate that dry bean and yellow mustard can be safely planted (from a crop tolerance perspective) in fields treated with Simplicity Herbicide 11 months prior to planting. An acceptable rationale was also provided for the inclusion of brown mustard and canola quality *Brassica juncea* on the Simplicity Herbicide label as rotational crops to be planted 11 months after Simplicity application. Based on the data provided, the addition of brown mustard, canola quality *Brassica juncea*, dry bean (of the species *Phaseolus vulgaris*) and yellow mustard to the Simplicity Herbicide label as rotational crops that can be planted 11 months following Simplicity application to spring or durum wheat can be supported from a value perspective.

Conclusion

The PMRA has assessed all of the information provided in support of this application and are able to support the addition of add brown mustard, yellow mustard, dry beans and canola quality *Brassica juncea* as rotational crops 11 months following Simplicity Herbicide use on the field.

References

PMRA 1741809. Value summary. DACO 10.3.3.

PMRA 1741808. Trial reports.

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