

## Evaluation Report for Category B.3.2 Application

**Application Number:** 2012-2057  
**Application:** Application Timing  
**Product:** Flexstar GT Herbicide  
**Registration Number:** 30412  
**Active ingredients (a.i.):** Fomesafen, Glyphosate (Present As Mono-Ammonium Salt Or Diammonium Salt) [FOF, GPM]  
**PMRA Document Number:** 2327717

### Purpose of Application

The purpose of this application was to amend the registration of Flexstar GT Herbicide by expanding the use pattern to include pre-plant surface and pre-emergent applications in all soybean varieties.

### Chemistry Assessment

No chemistry assessment was required for this application.

### Health Assessments

Residue data from field trials for fomesafen and glyphosate were submitted to support the addition of pre-plant surface and pre-emergent use on soybeans in Eastern Canada on the Flexstar GT Herbicide label. The amendments to the label of Flexstar GT Herbicide to include additional application timing are not expected to result in an increase in dietary exposure to residues of fomesafen or glyphosate. Residues of fomesafen at the established maximum residue limits (MRL) of 0.05 ppm and residues of glyphosate at the established MRL of 20 ppm in/on dry soybeans will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The new pre-plant surface and pre-emergence use of Flexstar GT Herbicide on soybeans is not expected to result in an increase of occupational or bystander exposure over the registered use of fomesafen and glyphosate. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

### Environmental Assessment

The proposed application rates of the individual active ingredients are below currently registered rates for the same crops and application methods. As a result, no additional environmental data are required for this submission nor is there expected to be an increase in environmental risk.

## **Value Assessment**

Information reviewed for the subject application included a rationale that was based on precedent registrations. Based on the available information, expanding the use pattern of Flexstar GT Herbicide to include pre-plant surface and pre-emergent applications in all soybean varieties was supported.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of information available in support of Flexstar GT Herbicide and has found the information sufficient to expand the use pattern to include pre-plant surface and pre-emergent applications in all soybean varieties.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
2217821	1998, Fomesafen: Determination of fomesafen in soybeans by gas chromatography with nitrogen/phosphorus detection (WRC-98-146) (WINO 45189), DACO: 7.2.1
2217822	1999, Fomesafen: Determination of fomesafen in soybean oil by gas chromatography with nitrogen/phosphorus detection (WRC-99-045) (WINO 45190), DACO: 7.2.1
2217824	2009, GRM045.01A Analytical method for the determination of residues of fomesafen in crop commodities by LC-MS/MS, DACO: 7.2.2
2217826	2009, Validation of analytical method GRM045.01A for the determination of residues of fomesafen in crop commodities by LC-MS/MS, DACO: 7.2.3
2217828	2000, Fomesafen: Residue levels on soybeans from trials conducted in the United States during 1998, DACO: 7.4.1,7.4.2
2217829	2007, S-metolachlor/fomesafen/glyphosate - Residue levels on soybeans (forage, hay and seed) from trials conducted in Canada during 2006, DACO: 7.4.1
2196039	2012. Flexstar GT Herbicide Efficacy Rationale. DACOs 10.1, 10.2.3.1 and 10.3.1. pp 2.

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