



## **Addition of New Pests Evaluation Report for Category C, Subcategory C.3.11 Application**

**Application Number:** 2006-7756  
**Application:** Category C, Subcategory C.3.11 (addition of new pests)  
**Product:** Flufenacet 60% WDG Herbicide  
**Registration Number:** 28293  
**Active ingredients (a.i.):** flufenacet  
**PMRA Document Number:** 1435501

### **Background**

Flufenacet 60% WDG Herbicide has been registered since May 11, 2006. This product is registered for pre-emergence or early post-emergence use in field corn in Eastern Canada. The tank-mix of Flufenacet + Option 2.25 OD (Reg. No. 27424) + liquid nitrogen fertilizer (28% UAN) + Aatrex Nine-0 (Reg. No. 14842) or Aatrex Liquid 480 (Reg. No. 18450) provides control of several annual grass and broadleaf weeds. 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 this application was to amend the registration of Flufenacet 60% WDG Herbicide to include two additional weed claims, proso millet and large crabgrass, as controlled by the Flufenacet + Option 2.25 OD + Liquid nitrogen fertilizer + Aatrex Nine-0 or Aatrex Liquid 480 tank-mix.

### **Chemistry Assessment**

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

### **Health Assessments**

Health assessments were not required since the use pattern, including host crops, application rates and timings, of the component products remained unchanged.

### **Environmental Assessment**

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

## Value Assessment

Data were submitted from 14 field trials conducted in 2004, 2005 and 2006 in Ontario and Quebec.

Control values for proso millet when treated with the Flufenacet + Option + 28% UAN + Aatrex tank-mix were acceptable at the early- and mid-season ratings. Mean percent control values were 94% and 91%, at the early- and mid-season ratings, respectively. At the late-season rating, control values were inconsistent with a mean of 81%.

Control values for large crabgrass were acceptable at the early-season rating, with a mean of 91%. However at the mid- and late-season ratings, the control values were inconsistent. Mean percent control values were 79% and 80% at the mid- and late-season ratings, respectively.

## Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Flufenacet 60% WDG Herbicide. Weed claims of “control up to mid-season only” for proso millet and “early-season control only” for large crabgrass in field corn are acceptable

## References

### A. List of Studies/Information Submitted by Registrant

- 1339463 DACO 10.2.3.3. DEFINE DF Herbicide (flufenacet). Define DF Herbicide in Tankmix Combination with OPTION 2.25 OD Liquid + Atrazine Herbicides + UAN (28%) for Grassy and Broadleaf Weed Control in Field Corn. Additional Weeds. (Volume 1 of 1). Report Completion Date: November 3, 2006. 186 pp.
- 1419751 DACO 10.2.3.3. DEFINE DF Herbicide (flufenacet). Define DF Herbicide in Tankmix Combination with OPTION 2.25 OD Liquid + Atrazine Herbicides + UAN (28%) for Grassy and Broadleaf Weed Control in Field Corn. Additional Weeds. ADDENDUM (Trial Reports). Report Completion Date: May 16, 2007. 57 pp.

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