

## Evaluation Report for Category B, Subcategory 3.12 Application

**Application Number:** 2009-0131  
**Application:** Changes to Product Labels-New Site  
**Product:** Accord Dry Flowable Herbicide  
**Registration Number:** 25118  
**Active ingredients (a.i.):** Quinclorac (QUC)  
**PMRA Document Number:** 1858147

### Purpose of Application

Accord Dry Flowable Herbicide is registered for use for the control of green foxtail, cleavers, volunteer flax, barnyard grass and suppression of annual and perennial sow-thistle in spring and durum wheat, spring barley (grown for feed purposes only) and canary seed. The purpose of this application was to remove the restriction of “grown for feed purposes only” for spring barley from the label of Accord Dry Flowable Herbicide.

### Chemistry Assessment

A chemistry assessment was not required for this application as there were no changes to the formulation.

### Health Assessments

A toxicology assessment was not required for this application as there were no changes to the formulation. Further, the application rate, number of applications, frequency of application and method of application were not changed for Accord Dry Flowable Herbicide. As such, the removal of “grown for feed purposes only” should not result in an increase in potential occupational or bystander (reentry) exposure over registered uses of the active ingredient.

Processing data for quinclorac in wheat germ was submitted to determine the potential for concentration of residues of quinclorac into grain processed commodities and to support the amendment of the label statement of Accord Dry Flowable Herbicide for spring barley to remove the restriction of “grown for feed purposes only”.

### Maximum Residue Limit(s)

Based on the concentration of residues observed in wheat and rice processing studies, maximum residue limit (MRL) to cover the possible concentration of quinclorac residues in/on barley bran will be established as shown in Table 1. Residues of quinclorac in barley processed commodities not listed in Table 1 are covered under the MRL for the raw agricultural commodity (RAC).

**TABLE 1. Summary of Field Trial and Processing Data Used to Establish Maximum Residue Limit(s) (MRLs)**

Commodity	Application Method/ Total Application Rate (kg a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL
			Min	Max			
Barley	Foliar broadcast / 0.2	63-97	0.098	1.165	3× in bran	2.0 ppm*	Addition of an MRL in barley bran at 3.5 ppm

\*MRL established for barley.

Following the review of all available data, an MRL of 3.5 ppm for barley bran is recommended to cover residues of quinclorac. Residues of quinclorac in barley commodities at the recommended MRLs do not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

### **Environmental Assessment**

The use of Accord Dry Flowable Herbicide on spring barley (without restriction on barley grown for feed purposes only), does not result in increased environmental exposure relative to the existing registered use in spring and durum wheat and canary seed. Therefore, negligible environmental risk is expected. Environmental concerns have been mitigated through adequate statements on the product label.

### **Value Assessment**

A value assessment was not required for this application as there were no changes to the formulation.

### **Conclusion**

The PMRA has conducted a review of the available information for this application and has determined that the removal of the statement “grown for feed purposes only” for spring barley from the label of the end-use product, Accord Dry Flowable Herbicide (Reg. No. 25118), is acceptable. An MRL of 3.5 ppm for barley bran will be promulgated to cover the resulting residues in/on treated barley processed commodities.

### **References**

PMRA #	Reference
1768770	1996, The magnitude of Quinclorac residues in the spring wheat processed fraction wheat germ, DACO: 7.4.1, 7.4.5

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