

## Evaluation Report for Category C, Subcategory 6.3 (URMULE) Application

**Application Number:** 2007-4996  
**Application:** Application category C, subcategory 6.3 (URMULE)  
**Product:** Assail 70 WP Insecticide  
**Registration Number:** 27128  
**Active ingredients (a.i.):** Acetamiprid at 70%  
**PMRA Document Number:** 1525859

### Background

Assail 70 WP Insecticide has been registered since June 13, 2002. Assail 70 WP Insecticide is registered for the control of labelled insects on leafy vegetables, cole crops, field tomato, pome fruits, grapes, potato, tobacco, and ground cherry. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to product label.

### Purpose of Application

The purpose of this application was to amend the registration of Assail 70 WP Insecticide to include the claim of control of aphids and Colorado Potato Beetle on field peppers. For aphids, the product is intended for application at a rate of 56-86 g product/ha in a minimum volume of 200 L/ha with a maximum of 4 applications per year. For Colorado Potato Beetle, the product is intended for application at a rate of 40-80 g product/ha in a minimum volume of 200 L/ha with a maximum of 2 applications per year. For both pests, a 7 day interval between applications and a minimum pre-harvest interval of 7 days should be applied.

### Chemistry Assessment

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

## Health Assessment

A toxicology assessment was not required since there was no change to the formulation.

The use on aphids and Colorado Potato Beetles on field peppers should not result in increased occupational exposure over registered uses of the active.

To support the use expansion of acetamiprid to field peppers, US residue data for acetamiprid in/on bell peppers and non-bell peppers were assessed.

## Maximum Residue Limit(s)

Based on the maximum residue observed in crops treated with acetamiprid, it was determined that residues of this active ingredient in field peppers as a result of the use would be covered under the MRL currently being promulgated for this commodity.

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		MRL being promulgated	Recommended MRL
			Min	Max		
Bell Pepper	333-342	7	<0.01	0.09	0.2	none
Non-bell Pepper	336-338	7	0.05	0.16	0.2	none

## Environmental Assessment

An environmental assessment was not required since, the rate, number, frequency and method of application fall within those registered for other labelled crops. Therefore, use of the subject product on field peppers does not increase the environmental risk and additional environmental data are not required to support this use. Environmental concerns have been mitigated through the stipulation of precautionary statements on the existing product label.

## Value Assessment

The registered application rates for Assail 70 WP on field tomato are 56-86 grams product/ha for control of aphids and 40-80 grams product/ha for control of Colorado potato beetle (CPB). The registered use pattern on field tomatoes is 4 applications per season for aphids and 2 applications per season for CPB with a 7 day spray interval and a pre-harvest interval (PHI) of 7 days. Peppers are part of the same crop group (Crop Group 8: Fruiting Vegetables (Except Cucurbits)) as tomatoes. Because of similarities between pepper and tomato crops, extrapolation from control claims for tomato to pepper can be acceptable with the same rates and use pattern as that registered to control of aphids and CPB on tomato.

## Conclusions

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Assail 70 WP Insecticide to include the claim of control of aphids and Colorado Potato Beetle on field peppers.

## MRLs

Following the review of all available data, it was determined that the MRL of 0.2 ppm for residues of acetamiprid in/on peppers currently being promulgated to Table II, Division 15 of the FDA&R is considered adequate to cover residues of acetamiprid in/on this commodity as a result of this new use. Residues of acetamiprid in peppers at the established MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

## Reference List

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

#### Health Assessment

PMRA# 939091      1999, ACETAMIPRID : Magnitude of Acetamiprid Residues in/ on Peppers treated with Four Applications of EXP-80667A Insecticide with a 7 day PHI, Report No. 97512106, MRID: N/S, DACO: 7.4.1

ISSN: 1911-8082

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