

## Evaluation Report for Category B, Subcategory 2.1, 2.3, and 2.4 Application

**Application Number:** 2007-4076  
**Application:** New guarantee as well as identity and proportion of formulants.  
**Product:** Imidan 70-WP Instapak Insecticide  
**Registration Number:** 29064  
**Active ingredients (a.i.):** Phosmet [70% guarantee]  
**PMRA Document Number:** 1616847

### Purpose of Application

The purpose of this application is to register a new end-use product Imidan 70-WP Instapak Insecticide (phosmet 70%) with uses comparable to the currently registered end-use product Imidan 50-WP Instapak Insecticide (Reg No. 23006; phosmet 50%). The intent is to increase the guarantee from 50% active ingredient to 70% active ingredient as well to include the addition of new formulants. The proposed application rates of the new end-use product Imidan 70-WP Instapak Insecticide are identical to the registered application rates of Imidan 50-WP Instapak Insecticide.

### Chemistry Assessment

Imidan 70-WP Instapak Insecticide is formulated as a wettable powder in water soluble sachets containing phosmet at a nominal concentration of 70% w/w. This end-use product has a density of 0.318 g/mL and pH of 6.63. The product contains a list 2 formulant. With the exception of a new storage stability study that will be requested as a condition of registration, the chemistry requirements for Imidan 70-WP Instapak Insecticide are complete.

### Health Assessments

Imidan 70-WP Instapak Insecticide is considered to be highly toxic to rats and mice via the oral route and moderately toxic to rats via the inhalation route. It is considered to be of low dermal toxicity to rabbits and is considered to be a moderate eye irritant. Evidence indicates that Imidan 70-WP Instapak Insecticide is a mild skin irritant. It is not considered to be a dermal sensitizer in guinea pigs.

Imidan 70-WP Instapak Insecticide application rates have been adjusted so that the rates of active ingredient applied are identical to the approved rates for Imidan 50-WP Instapak Insecticide. The use pattern, including host crops, application timing and equipment is similar to

that of the currently registered product Imidan 50-WP Instapak Insecticide. The changes in guarantee and formulation are not expected to increase potential exposure to mixer/loader/applicator or post-application workers.

The proposed change in concentration of active ingredient and the new adjusted application rates of Imidan 70-WP Instapak Insecticide are not expected to affect the nature or magnitude of the residues in treated crops. No increase in the dietary exposure is anticipated.

### **Environmental Assessment**

The proposed new formulation of phosmet, Imidan 70-WP Instapak Insecticide, should not result in any additional impact on the environment as compared to the currently registered Imidan 50-WP Instapak Insecticide. There are no environmental concerns identified with regards to the new formulants in Imidan 70-WP Instapak Insecticide. In order to be consistent with the PMRA Re-evaluation Note, REV2007-14: Re-evaluation of Phosmet Interim Measures, and the current registered label for Imidan 50-WP Instapak Insecticide, the proposed label for Imidan 70-WP Instapak Insecticide must be amended to include the required statements for “Environmental Hazards” and the precautionary measures regarding buffer zones to mitigate spray drift.

### **Value Assessment**

The rate of active ingredient applied for Imidan 70-WP Instapak Insecticide is identical to the registered product, Imidan 50-WP Instapak Insecticide, and the other changes in formulants are not expected to impact on the efficacy of the new product.

### **Conclusion**

The PMRA has completed an assessment of available information for Imidan 70-WP Instapak Insecticide and has found the information sufficient to allow a conditional registration pending the generation of a new storage stability study. The proposed label has been amended in accordance with directions in the PMRA Re-evaluation Note, REV2007-14: Re-evaluation of Phosmet Interim Measures.

### **References**

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

<b>PMRA Document Number</b>	<b>Reference</b>
1154506	Phosmet Technical - Acute Tox Summary. DACO 4.1
1154507	1979. Phosmet Technical - Acute Oral Tox. Report 715212. DACO 4.2.1
1211439	1987. Dermal Sensitization Test of Imidan Technical. Final Report. T-13073; 003257. August 24,1987. DACO 4.2.6
1421546	2007. Product Identification, DACO: 3.1.1, 3.1.2, 3.1.3
1421550	2007. Chemical and Physical Properties, DACO: 3.5.11, 3.5.12, 3.5.13, 3.5.14,

	3.5.15, 3.5.6, 3.5.7, 3.5.8, 3.5.9
1612382	2004. Phosmet Enforcement Analytical, 1323W, DACO: 3.4.1
1612383	2005. Physical Properties: Storage Stability and Corrosion Characteristics of Phosmet Formulations, 1277W, DACO: 3.5.10

**A. Additional Information Considered**

**i) Published Information**

PACR2004-38 (Proposed Acceptability for Continuing Registration): Re-evaluation of Phosmet. Pest Management Regulatory Agency. October 1 2004. ISBN: 0-662-38300-1 (0-662-38301-X).

REV2007-14 (Re-evaluation Note ): Re-evaluation of Phosmet: Interim Measures. Pest Management Regulatory Agency. 28 November 2007. ISBN: 978-0-662-47346-6 (978-0-662-47347-3).

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