

## Evaluation Report for Category 2011-1633, Subcategory B.5.0 Application

**Application Number:** 2011-1633  
**Application:** New end use product based on precedent  
**Product:** Thiram 75 WDG  
**Registration Number:** 30548  
**Active ingredients (a.i.):** Thiram  
**PMRA Document Number:** **2250972**

### Purpose of Application

The purpose of this application was to register a new end-use product based on a precedent product, Taminco Thiram 75 WP Wettable Powder Fungicide, (Registration Number 28220).

### Chemistry Assessment

Thiram 75 WDG is formulated as wettable granules containing thiram at a nominal concentration of 75%. This end-use product has a density of 0.608 g/mL and pH of 8.95 (4% dispersion in water). The chemistry requirements for Thiram 75 WDG are complete.

### Health Assessments

Thiram 75 WDG is of low acute oral and inhalation toxicity in rats and of low acute dermal toxicity in rabbits. A waiver request was submitted for the acute inhalation study and was accepted. It was minimally irritating to the eyes and non-irritating to the skin of rabbits. Thiram 75 WDG is a skin sensitizer in guinea pigs.

Thiram 75 WP Wettable Powder Fungicide is currently registered in Canada for use on apples, peaches, plums, strawberries, celery and sweet potatoes. The use directions and restrictions for the proposed Thiram 75 WDG are identical to those for the registered Thiram 75 WP Wettable Powder Fungicide. No new residue data were submitted. As per current guidelines, residue data are transferable between the existing and the proposed formulation type. Therefore, the use of Thiram 75 WDG is not expected to increase the magnitude of thiram residues on treated crops. Consequently, the dietary exposure is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The use of the new end-use product, Thiram 75 WDG, on apples, peaches, plums, strawberries, celery and sweet potatoes should not result in an increase in exposure to the active ingredient, thiram, over the current registered use pattern. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

### **Environmental Assessment**

The environmental risks associated with the new formulation are expected to be similar to those of the last registered product formulation.

### **Value Assessment**

The use pattern for Thiram 75 WDG (wetable dispersible granules) is identical to that of Thiram 75 WP Wettable Powder Fungicide, although the new formulation may not be used as a seed treatment. Therefore, both formulations deliver the same amount of active ingredient per hectare. Furthermore, the main formulant in Thiram 75 WDG is widely used in the pesticide industry in different formulations, which suggests that it does not pose a problem in terms of efficacy or crop safety. In light of these considerations, the change in formulation is not expected to impact efficacy or crop safety. The addition of all foliar uses of Thiram 75 WP Wettable Powder Fungicide to the Thiram 75 WDG label is fully supported.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of information available in support of Thiram 75 WDG and has found the information sufficient to register the new end-use product based on the precedent, Taminco Thiram 75 WP Wettable Powder Fungicide.

## References

PMRA

Document

Number

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