

## Evaluation Report for Category B, Subcategory 3.4 Application

**Application Number:** 2018-1551  
**Application:** Changes to Product Labels-Application Method  
**Product:** Thimet 20-G  
**Registration Number:** 29000  
**Active ingredient (a.i.):** phorate  
**PMRA Document Number:** 3033220

### Purpose of Application

The purpose of this application was to remove the requirement for a pinch valve from the SmartBox delivery system for Thimet 20-G, by amending the system's software and programming to allow the meter of the system to act as the shutoff device, making the pinch valve redundant.

### Chemistry and Health Assessments

Chemistry and health assessments were not required for this application.

### Value Assessment

The changes to the SmartBox delivery system are not expected to impact the delivery of Thimet 20-G, and therefore, are not expected to have a negative impact on the efficacy of the product. As such, the changes to SmartBox delivery system for the application of Thimet 20-G were accepted from a value perspective.

### Environmental Assessment

Based on the information provided by the applicant, the updated SmartBox control system software does not appear as effective at preventing the release of phorate granules to the soil surface as the currently approved SmartBox system with a pinch valve. The pinch valve is automatically activated when the lift switch is engaged, which reduces the likelihood of human error to result in the application of granules to the soil surface. The previously conducted risk assessment for phorate determined that consumption of phorate granules by birds could result in mortality. The use of a pinch valve mitigates this risk, and is an enforceable risk mitigation measure, whereas other measures, including the use of a two-stage lifting procedure, are not. As such, the requirement for a pinch valve should remain on the product label for Thimet 20-G.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and did not approve the changes to SmartBox delivery system for the application of Thimet 20-G. The requirement for a pinch valve remains on the product label for Thimet 20-G.

## References

None

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