

## Evaluation Report for Category B, Subcategory 3.10 Application

**Application Number:** 2023-6158  
**Application:** New or Changes to Product Labels – Tank Mixes  
**Product:** Emesto Quantum  
**Registration Number:** 30362  
**Active ingredients (a.i.):** Clothianidin (COD), Penflufen (PFU)  
**PMRA Document Number:** 3585118

### Background

Emesto Quantum (Reg. No. 30362; registrant Bayer CropScience Inc.) is a suspension, seed-piece treatment insecticide and fungicide containing 207 g/L clothianidin and 66.5 g/L penflufen for the control of diseases on potatoes: *Rhizoctonia solani* (black scurf and stem and stolon canker), *Helminthosporium solani* (silver scurf) and suppression of *Fusarium* spp. (dry rot); and for the control of insect pests on potatoes: Colorado potato beetle, aphids, potato flea beetles and leafhoppers.

### Purpose of Application

The purpose of this application is to add the general tank mixing statement to the product label, remove the spray buffer zone statement, and retain a specific tank mix partner as per applicant's request.

### Chemistry, Health, and Environmental Assessment

Chemistry, health, and environmental assessments were not required as there was no change to product chemistry, product formulation, or use pattern.

### Value Assessment

A thorough review of the label determined that the addition of the general tank mixing statement is acceptable as it is consistent with the requirements in the PMRA Guidance Document – Tank Mix Labelling (March 16, 2023).

The inclusion of the general tank mixing statement on the label allows growers greater flexibility to select tank mixtures to control pests in labelled crops. Flexibility in the selection of tank mix partners may contribute to resistance management practices, integrated pest management programs or the control of a broader range of pests, with an associated cost- and time-savings by the user.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the subject application and has found the inclusion of the general tank mixing statement to be acceptable on the product label. VRD supports retaining the specific tank mix partner Titan Insecticide (Reg. No. 27449).

## **References**

None.

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