

## Evaluation Report for Category B, Subcategory 3.1, 3.10, 3.11 Application

**Application Number:** 2018-1568  
**Application:** B.3.1: Rate Increase  
B.3.10: Tank Mixes  
B.3.11: New Pests  
**Product:** PTZ 480SC Seed Treatment Fungicide  
**Registration Number:** 31839  
**Active ingredients (a.i.):** Prothioconazole  
**PMRA Document Number:** 2982450

### Purpose of Application

The purpose of this application was to amend the registration of PTZ 480SC Seed Treatment Fungicide to include the option of a higher application rate for the control of fusarium root rot in soybean, and with additional tank mix partners (both insecticide and fungicide) on soybean and corn.

### Chemistry Assessment

Chemistry assessment was not required for this application.

### Health Assessments

The occupational exposures and risks from the higher application rate on soybean seeds to the PTZ 480SC Seed Treatment Fungicide label were assessed. No risks of concern are expected from the higher application rate, provided that workers follow the label directions and wear the personal protective equipment identified on the label.

Previously reviewed residue data from field trials conducted in/on soybeans were reassessed in the framework of this petition. In addition, a processing study in treated soybeans was also reassessed to determine the potential for concentration of residues of prothioconazole into processed commodities. The proposed tank-mix partners on the PTZ 480SC Seed Treatment Fungicide for use on soybean and corn (field and sweet) are already registered for use on these crops. Residues in soybean commodities at the established MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

## **Environmental Assessment**

The use patterns for PTZ 480SC Seed Treatment Fungicide fall within those currently registered for these products. No additional risk to the environment is expected from the registration of the proposed increased application rate to soybean and the existing label statements are adequate for risk mitigation.

## **Value Assessment**

The applicant submitted value information in the form of a rationale and efficacy data. Under artificial inoculation, trial data demonstrated that prothioconazole at the tested rates controlled fusarium root rot on soybean. In addition, the value of prothioconazole against Fusarium diseases has been previously established as PTZ 480SC Seed Treatment Fungicide are currently registered for the control of seed rot and seedling diseases caused by soil-borne Fusarium spp. on all legumes and soybean. The mixing of PTZ 480SC Seed Treatment Fungicide with labelled fungicide and insecticide seed treatment products will offer the growers the opportunity to combat multiple diseases and insect pests.

## **Conclusion**

The PMRA has reviewed the information provided to support the amendments. Based on the results of this review, the higher application rate for the control of fusarium root rot in soybean, and with additional tank mix partners (both insecticide and fungicide) on soybean and corn is acceptable for registration.

## References

- 2874336 2018, VALUE ASSESSMENT of PTZ 480SC seed treatment fungicide - Data supporting a higher use-rate in soybean for improved control of root rot caused by *Fusarium* spp., DACO: 10.1,10.2.2,10.2.3.3(D),10.3,10.3.2(B),10.5.1,10.5.2,10.5.3
- 2874339 2018, VALUE ASSESSMENT of PTZ 480SC seed treatment fungicide - Data supporting a higher use-rate in soybean for improved control of root rot caused by *Fusarium* spp., DACO: 10.2.3.3(D)
- 2874340 2016, PTZ 480 SC Seed Treatment Fungicide – Value Rationale Supporting Registration of Tank Mixes., DACO: 10.1,10.6

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