

New Pests

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2020-4910
Application: New or Changes to Product Labels-New Pests
Product: Rancona Trio Fungicide
Registration Number: 32668
Active ingredients (a.i.): Ipconazole 5.0 g/L, Carbathiin 133.33 g/L, Metalaxyl 13.33 g/L
PMRA Document Number : 3172227

Background

Rancona Trio Fungicide, first registered on 2017-04-26, is a seed treatment product containing three active ingredients that target a range of fungal seed, seedling and soil-borne diseases on certain cereal and legume crops. The use rate is 300 mL product/100 kg cereal seed and 500 mL product/100 kg legume seed. For specific details of uses, application rates, methods, precautions, restrictions and personal protective equipment requirements refer to the product label.

Purpose of Application

The purpose of this application was to add label claims to suppress early season root rot (*Aphanomyces euteiches*) on the legume field crops pea and lentil when Rancona Trio Fungicide is applied as a seed treatment. Similar to all registered claims on pea and lentil, the application rate against early season root rot is 500 mL product/100 kg seed. This application rate provides 2.5 g ipconazole, 6.67 g metalaxyl and 66.67 g carbathiin per 100 kg of pea or lentil seed.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environment assessments were not required since the use pattern remained unchanged.

Value Assessment

Five pea and three lentil field efficacy trials were submitted to support claims to suppress early season root rot on pea and lentil crops when Rancona Trio Fungicide is applied as a seed treatment at a rate of 500 mL product/100 kg seed. During trials, the performance of Rancona Trio Fungicide was compared to that of a commercial standard seed treatment product that is registered to suppress early season root rot on pea and lentil. Evaluations of disease severity and incidence on roots as well as crop yields demonstrated that Rancona Trio suppressed this disease similarly to the commercial standard and to a degree that was consistent with a suppression claim.

Because the early season root rot pathogen deposits long-lived spores into the soil, managing this

disease is of paramount importance. As only one product is currently registered to suppress early season root rot in pea and lentil crops, registration of Rancona Trio Fungicide for these uses will provide growers with an additional tool to manage this disease and delay the development of fungicide resistance in the pathogen population.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support a claim to suppress early season root rot on pea and lentil when Rancona Trio Fungicide is applied as a seed treatment at an application rate of 500 mL product/100 kg seed.

References

PMRA #	Reference
3164471	2018, Efficacy of F1179 on Aphanomyces Root Rot in Field Peas, DACO: 10.2.3.3(D),10.3.2(B)
3164472	2019, General Efficacy of F2419aa Compared to Industry Products on Pulses., DACO: 10.2.3.3(D),10.3.2(B)
3164473	2019, General Efficacy of F2419aa Compared to Industry Products on Pulses., DACO: 10.2.3.3(D),10.3.2(B)
3164474	2019, General Efficacy of F2419aa Compared to Industry Products on Pulses., DACO: 10.2.3.3(D),10.3.2(B)
3164475	2020, F2419aa / Efficacy / Lentil., DACO: 10.2.3.3(D),10.3.2(B)
3164476	2020, F2419aa / Efficacy / Pea, DACO: 10.2.3.3(D),10.3.2(B)
3164477	2020, Fungicide Program / Pea / Aphanomyces, DACO: 10.2.3.3(D),10.3.2(B)
3164478	2020, Fungicide Program / Pea / Aphanomyces, DACO: 10.2.3.3(D),10.3.2(B)
3169450	2020, Summary of Value for Addition of Early Season Root Rot caused by Aphanomyces euteiches on Lentils and Dry Peas to the label for Rancona Trio Fungicide - REVISED, DACO:10.1,10.2.1,10.2.2,10.2.3.1,10.2.3.3(D),10.3,10.3.2(B),10.3.3,10.4,10.5,10.5.1,10.5.2,10.5.3,10.5.4

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