

Evaluation Report for Category C, Subcategory C.3.10, C.3.15 Application

Application Number: 2010-1489
Application: Category C, Subcategory C.3.10, C.3.15 [New or Changes to Product Labels – Tank mixes, label amendments]
Product: Rancona Apex Fungicide
Registration Number: 29176
Active ingredients (a.i.): Ipconazole (IPZ)
PMRA Document Number : 1969491

Background

Rancona Apex Fungicide (contains 4.61 g/L ipconazole) is currently registered to provide seed and seedling protection on cereal crops to control or suppress various fungal diseases in Canada. The current registered rate is 325-433 mL/100 kg seed for barley and 325 mL/100 kg seed for wheat, oat, rye and triticale.

Purpose of Application

The registrant has submitted an application to add a tank mix with Apron XL LS Fungicide (PMRA Reg. No. 25585) for control of pythium disease and to clarify the use directions for barley at the rate of 325-433 mL/100 kg seed including all diseases listed under the rate of 325 mL/100 kg seed on the label of Rancona Apex Fungicide.

Chemistry, Health and Environmental Assessment

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the use pattern, including host crop, application rates and timings, of the component product remained unchanged.

Value Assessment

Seven greenhouse trials conducted in Alberta, including four trials on wheat, one trial on barley and two trials on triticale, were submitted to support the proposed tank mix use. Six trials were deemed as valid trials and reviewed. The tank mix resulted in 94% plant survival compared to 93% in Dividend under low disease pressure. Under moderate disease pressure, the plant survival in three trials was 90% (86 - 92%) for the tank mix treatment and 86% (76 - 92%) for Dividend. Tank mixing Rancona Apex and Apron XL gave 63% and 84% plant survival, while Dividend gave 64% and 78% plant survival in two triticale trials with high disease pressure. Plant height, shoot biomass, root biomass and plant vigor were also significantly improved in all six trials in the tank mix treatment. The efficacy of the tank mix was equivalent to Dividend which delivers identical rates of Metalaxyl-M and is registered for these uses. Rancona Apex Fungicide is a broad-spectrum seed treatment fungicide for the control of diseases on cereals, including wheat, barley, oats, rye and triticale, such as seed and seedling diseases caused by *Fusarium* spp. Tank mixing Rancona with Apron XL LS will offer control of *Pythium* in addition to the disease protection provided by Rancona Apex as demonstrated in these efficacy trials.

Data from seven field trials on wheat demonstrated that tank mixing Apron XL with Rancona Apex did not negatively impact Rancona Apex on the control of common bunt, or suppression of fusarium diseases. The registrant of Apron XL has also communicated their support for the tank mix.

Data from two additional trials demonstrated that Rancona consistently provided 90% and 96% control of true loose smut on barley smut at the rates of 325 and 433 mL/ha, respectively.

Based on the information received, the proposed label claims for the tank mix and label amendments are supported.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Rancona Apex Fungicide as proposed.

Reference

PMRA # 1892267, 2010, Efficacy and Seed Safety, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2, 10.2.3.3, 10.3.1, 10.3.2.

ISSN: 1911-8082

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