

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2011-4410
Application: New or Changes to Product Labels-New Site or Host
Product: Rancona 3.8 FS Fungicide
Registration Number: 29175
Active ingredients (a.i.): Ipconazole (IPZ)
PMRA Document Number: 2130704

Purpose of Application

The purpose of this application was to add the uses of control of general seed rots, damping off, seedling blight, smut, common bunt and leaf stripe, and suppression of common root rot and crown and foot rot on cereal grains including wheat, barley, oats, rye and triticale to the Rancona 3.8 FS Fungicide (Registration No. 29175) label.

Chemistry Assessment

A chemistry assessment was not required for this application as there are no changes to the product chemistry.

Health Assessments

No new residue data were submitted in support of adding wheat, barley, oats, rye and triticale as seed treatments to the label of Rancona 3.8 FS Fungicide. However, data on file support the use of ipconazole as seed treatment in/on wheat, barley, oats, rye and triticale. The proposed use of Rancona 3.8 FS Fungicide is not expected to increase the magnitude of ipconazole residues in/on these crops. Therefore, the dietary exposure to ipconazole is not expected to increase and should not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

An assessment was performed for individuals that may be exposed to Rancona 3.8 FS Fungicide during commercial and on-farm seed treatment of cereal grains. The proposed new use should not result in risks of concern to ipconazole. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Environmental Assessment

The additional use of Rancona 3.8 FS Fungicide as seed treatment on wheat, barley, oats, rye, and triticale should not cause an increase in environmental exposure. These crops are currently registered under the same use pattern for ipconazole. No further environmental review is required.

Value Assessment

Three field trials were submitted to compare Rancona 3.8 FS Fungicide and Rancona Apex Fungicide (Registration No. 29176) for the control of true loose smut (*Ustilago nuda*) on barley at the same treatment rate of 1.5 g a.i./100 kg seed. Both Rancona 3.8 FS Fungicide and Rancona Apex Fungicide provided the same high level of smut control at 99% and 98%, respectively, under moderate levels of smut infection (59 - 108 smut-infected heads in the non-treated plots). There were no significant differences observed between the two treatments for emergence, plant vigor and yield in these trials.

In one field trial conducted on fusarium diseases (*Fusarium graminearum*) of wheat, Rancona 3.8 FS Fungicide and Rancona Apex Fungicide significantly increased seedling emergence by 47 and 75%, respectively, compared to the non-treated control, though the results from two products were not statistically different. Both formulations resulted in significant yield increases by 10 - 13%. In two blotter germination studies, both Rancona 3.8 FS Fungicide and Rancona Apex Fungicide significantly reduced fusarium root rot. Both products also significantly increased seedling emergence in one study.

Conclusion

The PMRA has conducted a review of the available information and has determined that the addition of use as seed treatment on cereal grains including wheat, barley, oats, rye and triticale to the Rancona 3.8 FS Fungicide label is acceptable.

References

PMRA No.	Title
2104486	2011, Efficacy Summary: RANCONA 3.8 FS Seed Treatment Fungicide Efficacy on Small Grains, DACO: 10.1,10.2.3.1,10.2.3.3,10.3.1,10.3.2

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