

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2017-1996
Application: Changes to Product Labels - New Site or Host
Product: Fortenza
Registration Number: 30899
Active ingredient (a.i.): Cyantraniliprole
PMRA Document Number : 2844215

Purpose of Application

The purpose this application was to add soybean seed treatment for the control of seedcorn maggot, European chafer, June beetle and wireworms to the product label of Fortenza.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

The occupational exposure and risk from the addition of the use on soybean seed was assessed. No risks of concern are expected from this use, provided that workers follow the label directions and wear the personal protective equipment identified on the label.

No new residue data for cyantraniliprole in soybeans were submitted to support the use expansion of this active on the Fortenza label. Previously reviewed residue data from field trials conducted in/on soybeans were reassessed in the framework of this petition. Residues in soybean seeds at the established MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

Cyantraniliprole is currently registered on a number of crops for seed treatment at higher rates per hectare and per seed. The seed treatment expansion to soybeans is not expected to result in increased risk to non-target organisms. Environmental risks are mitigated through environmental precautionary statements on the label.

Value Assessment

Field trials conducted in soybean for control of seedcorn maggot, European chafer, June beetle and wireworms demonstrated that cyantraniliprole controls seedcorn maggot

and larvae of June beetle and European chafer with a rate range of 25-50 g a.i./100 kg seed, and controls wireworms at an application rate of 50 g a.i./100 kg seed. Cyantraniliprole is a new mode of action for these pests on soybean and will aid in resistance management.

Products for use as tank mix partners are all currently registered for use on soybean to control or suppress diseases or nematodes. Since the products are to be used according to the registered use patterns on soybean, the addition of the fungicide and nematicide products listed on the label as tank mix partners is supported.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the addition of soybean seed treatment to the Fortenza label.

References

PMRA #	Reference
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2756255	2017, Summary report 3 - Seedcorn maggot - add soybeans, DACO: 10.2.3.3
2756256	2017, Summary trial report 1- Seedcorn maggot - add soybeans, DACO: 10.2.3.3
2756257	2017, Summary report 2 - Seedcorn maggot - add soybeans, DACO: 10.2.3.3
2756258	2017, Summary report 4 - Seedcorn maggot - add soybeans, DACO: 10.2.3.3
2756259	2017, Summary report 5 - White grubs - add soybeans, DACO: 10.2.3.3
2756260	2017, Summary report 6 - White grubs - add soybeans, DACO: 10.2.3.3
2756261	2017, Trial summary report 7 - Wireworm - add soybeans, DACO: 10.2.3.3
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2785026	2017, Response to value deficiency - Fortenza and Fortenza Red, DACO: 10.1
1349637	2000, Occupational Risk Exposure Assessment for Helix 289FS, DACO: 5.4
1108518	1999, On Farm Exposure Operator Study with Dividend 36 FS Seed Treatment on Wheat, DACO: 5.4
1168258	Worker Exposure to Apron Flowable While Treating Seed Commercially-Amendment#1 (AE-91-512 Amended Report; Volume#37). (Maxim 480FS), DACO: 5.4
1571553	2007, Determination of Operator Exposure to Imidacloprid During Loading/Sowing of Gaucho Treated Maize Seeds Under Realistic Field Conditions in Germany and Italy, DACO: 5.4
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