

Tank mixes, New Pests

Evaluation Report for Category B, Subcategory B.3.10, B.3.11 Application

Application Number: 2021-4292
Application: New or Changes to Product Labels-Tank Mixes, New Pests
Product: Fortenza
Registration Number: 30899
Active ingredients (a.i.): Cyantraniliprole, 600 g/L
PMRA Document Number : 3309418

Background

Fortenza was first registered on August 7th, 2013. It is registered to be applied as a seed treatment for use against various insect pest species on potato seed pieces, corn (field, pop, sweet), canola, mustard seed, rapeseed, oilseed mustard, including *Brassica carinata*, condiment mustard and soybeans. For specific details of uses, application rates, methods, precautions, restrictions and personal protective equipment requirements refer to the product label.

Purpose of Application

Fortenza is registered to control a species of cutworm, the black cutworm, on soybean at an application rate of 41.5 - 83 mL product/100 kg seed (25 - 50 g ai/100 kg seed). The purpose of this application was to expand the use of Fortenza on soybean to target all species of cutworm that infest soybeans in Canada at the same application rate and with the same use directions registered for management of the black cutworm. A revised tank mix statement that recommends the use of Fortenza in a mixture with additional seed treatment products that target different but co-occurring pests of soybean was also added to the label.

Chemistry, Health and Environmental Assessments

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 remained unchanged.

Value Assessment

Reports of soybean container trials conducted in the field and a rationale based on registered uses of Fortenza and similar products against cutworms on various crops were submitted to demonstrate the performance of Fortenza against cutworms. The rationale demonstrated that the active ingredient in Fortenza is effective against diverse species of cutworm and trial information demonstrated efficacy of the rate range. On average, application of Fortenza at 25 or 50 g a.i./100 kg seed increased plant stand to 91.0% and 96.6% of the uninfested check and reduced feeding damage from moderate dingy, rebacked and darksided cutworm infestations by 62.4% and 74.9%, respectively. As the additional tank mix products Vayantis, Vibrance Trio and Saltro are compatible with the use of Fortenza against cutworms, they were added to the tank mix

statement for soybean.

A diversity of cutworm species may be found in Canadian soybean fields. Few options are available to soybean growers to manage these destructive pests. Expansion of the Fortenza label to include all species of cutworm will provide growers with a targeted tool that protects the whole seedling and has been shown to be broadly effective against cutworms when applied to soybean at its most vulnerable developmental stage.

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 control cutworms on soybean when Fortenza is applied as a pre-plant seed treatment at rates of 41.5 - 83 mL product/100 kg seed (25 - 50 g a.i./100 kg seed) and expansion of the soybean tank mix statement to include the seed treatment products Vayantis, Vibrance Trio and Saltro, which are also registered for use on soybean.

References

PMRA #	Reference
3263536	2021, DACO 10 VALUE SUMMARY: Efficacy for control of cutworm species in soybeans with FORTENZA, DACO: 10.1
3263537	2021, Efficacy Data Summary for Fortenza in Soybeans for Control of Cutworm species, DACO: 10.2.3.1
3263538	2017, Determine the lowest effective rate (LER) of Fortenza for cutworm control in soybean, DACO: 10.2.3.3
3263539	2017, Determine the lowest effective rate (LER) of Fortenza for cutworm control in soybean, DACO: 10.2.3.3
3263540	2017, Determine the lowest effective rate (LER) of Fortenza for cutworm control in soybean, DACO: 10.2.3.3
3263541	2017, Determine the lowest effective rate (LER) of Fortenza for cutworm control in soybean, DACO: 10.2.3.3
3263542	2018, Evaluate the rate performance of Fortenza against cutworms in soybean, DACO: 10.2.3.3

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