

Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2015-1186
Application: Changes to Product Label – new site
Product: Fortenza
Registration Number: 30899
Active ingredients (a.i.): Cyantraniliprole (CYT)
PMRA Document Number : 2607074

Purpose of Application

The purpose of this application was to amend the label of Fortenza (600 g/L cyantraniliprole) to include sweet corn.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

Residue data from field trials conducted in the United States were submitted to support the domestic use of Fortenza on sweet corn as a seed treatment. Cyantraniliprole was applied to sweet corn at the 0.478-0.545 mg ai/seed (2-fold GAP) and harvested according to label directions.

Maximum Residue Limit

The recommendation for a maximum residue limit (MRL) for cyantraniliprole was based upon the submitted field trial data, and the guidance provided in the [OECD MRL Calculator](#). The MRL to cover residues of cyantraniliprole in/on sweet corn grain is proposed as shown in Table 1. Residues in processed commodities not listed in Table 1 are covered under the proposed MRLs for the raw agricultural commodities (RACs).

TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit(s) (MRLs)							
Commodity	Application Method/ Total Application Rate (mg ai/seed)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			Min	Max			

TABLE 1. Summary of Field Trial and Processing Data Used to Support Maximum Residue Limit(s) (MRLs)

Commodity	Application Method/	PHI (days)	Residues (ppm)		Experimental Processing	Currently Established	Recommended MRL
Sweet corn grain	0.478-0.545	n.a.	<0.01	<0.01	None	None	0.01

n.a.: not applicable

Following the review of all available data, the MRL as proposed in Table 1 is recommended to cover residues of cyantraniliprole. Residues in this crop commodity at the proposed MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

The exposure and risk to treaters, baggers, sewers, stackers, cleaners, planters and anyone handling the treated seed is not expected to exceed the exposure to registered products if label amendments are adhered to.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

Fortenza is currently registered for treatment of field corn and popcorn for control of cutworm at an application rate of 83 – 167 mL product per 100 kg seed and control of wireworms and European chafer at 167 mL product per 100 kg seed. There are no expected differences from a value perspective in using Fortenza to treat sweet corn compared to field corn and popcorn. Therefore, the addition of sweet corn to the Fortenza label is supported from a value perspective.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Fortenza, and has found the information sufficient to add sweet corn to the product label.

References

PMRA Reference Number	Reference
2332022	2013, Laboratory Dust-Off Measurements of Corn and Canola Seed Treated with Fortenza. Report Number: KT0162410, DACO 5.14
1755202	2000, Commercial Seed Treatment Plant Worker Exposure Study with HELIX 289FS Seed Treatment on Canola, Guelph Ontario, Study No. CER 03220/99, August 22, 2000, DACO 5.6

1571553	2007, Determination of Operator Exposure to Imidacloprid During Loading/Sowing of Gaucho Treated Maize Seeds Under Realistic Field Conditions in Germany and Italy. Study Number: IF-05/00328969. Taunusstein, Germany. October 25, 2007. 288 pages, DACO 5.6
2396870	2013, Agricultural Handler Exposure Task Force (AHETF) - Survey Results of Commercial and Downstream Seed Treating Facilities, DACO 5.3, 5.4
2516662	2015, Value Summary to Support Use on Sweet Corn, DACO: 10.2.3.3, 10.5.3, 10.2.2, 10.3.3, 10.5.2, 10.1, 10.5.4, 10.4, 10.2.3.2, 10.3.2, 10.5.5, 10.5.1
2516661	2014, Cyantraniliprole (A17960B and A16971B) - Magnitude of the Residues in or on Sweet Corn following Seed Treatment or Seed Treatment + Foliar Applications - USA 2011, DACO: 7.2.5,7.4.1,7.4.2,7.4.5,7.4.6

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