



## Evaluation Report for Category B, Subcategory 3.12 Application

**Application Number:** 2020-5931  
**Application:** Changes to Product Labels-New Site or Host  
**Product:** FORTENZA  
**Registration Number:** 30899  
**Active ingredient (a.i.):** Cyantraniliprole  
**PMRA Document Number :** 3337207

### Purpose of Application

The purpose of this application was to include a seed treatment use on all of Crop Group 15 (except rice) by adding small grain cereals (barley, buckwheat, pearl millet, proso millet, oats, rye, teosinte, triticale, sorghum and all types of wheat) to the label of the registered product FORTENZA.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

A toxicology assessment was not required for this application.

A human health risk assessment was completed for FORTENZA for use as commercial (including mobile treaters) and on-farm seed treatments, and planting of cereal seeds. No health risks of concern are expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Residue data from wheat and barley field trials conducted in Canada were submitted to support the use of FORTENZA on cereal grains (crop group 15, except rice). Previously reviewed residue data from field trials conducted in/on corn were reassessed in the framework of this application. In addition, processing studies in treated wheat and barley were reviewed and reassessed in corn to determine the potential for concentration of residues of cyantraniliprole into processed commodities.

### Maximum Residue Limit

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

<b>TABLE 1. Summary of Field Trial and Processing Data Used to Support the Maximum Residue Limit (MRL)</b>							
Commodity	Application Method/ Total Application Rate (g a.i./100 kg seeds)	PHI (days)	Residues (ppm)		Experimental Processing Factor	Currently Established MRL (ppm)	Recommended MRL (ppm)
			LAFT	HAFT			
Field corn grain	Seed treatment/0.53-0.57 mg a.i./seed	At maturity	<0.01	<0.01	No concentration in processed fractions	0.01	0.01 Cereals (Crop Group 15, except rice)
Popcorn grain	Seed treatment/0.57 mg a.i./seed	At maturity	<0.01	<0.01	No concentration in processed fractions	0.01	
Sweet corn kernels plus cob with husks removed	Seed treatment/0.48-0.55 mg a.i./seed	At maturity	<0.01	<0.01	Not applicable	0.01	
Barley	Seed treatment/28	92-124	<0.01	<0.01	No quantifiable residues observed at exaggerated rates	None	
Wheat	Seed treatment/30	86-141	<0.01	<0.01	No quantifiable residues observed at exaggerated rates	None	

LAFT = Lowest Average Field Trial; HAFT = Highest Average Field Trial

Following the review of all available data, an MRL as proposed in Table 1 is recommended to cover residues of cyantraniliprole. Risks from exposure to residues of cyantraniliprole in these crop commodities at the proposed MRL were shown to be acceptable for the general population and all subpopulations, including infants, children, adults and seniors.

### **Environmental Assessment**

Use of FORTENZA for seed treatment of cereals is within the currently registered use pattern for cyantraniliprole. Risk to the environment is acceptable when the product is used according to the

label directions.

## **Value Assessment**

Submitted value information consisted of five trials for wireworm in wheat and barley. The value information was sufficient to support the addition to the FORTENZA label of claims for suppression of wireworm at an application rate of 17 mL product per 100 kg seed or control of wireworm at an application rate of 33-50 mL product per 100 kg seed in small cereal grains (barley, buckwheat, pearl millet, proso millet, oats, rye, teosinte, triticale, sorghum, and all types of wheat).

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the additional seed treatment use on Crop Group 15 (except rice) to the label of FORTENZA.

## **References**

### **PMRA**

#### **Document**

<b>Number</b>	<b>Reference</b>
3183156	2020, Occupational Risk Assessment for Fortenza for Seed Treatment Use on Cereals in Canada. DACO: 5.1, 5.2, 5.3, 5.6
3183157	2020, Laboratory dust-off measurements of wheat seed treated with Fortenza, DACO: 5.15
3183160	2020, Cyantraniliprole FS (A17960B) - Magnitude of the Residues in or on Barley Raw Agricultural Commodities from a Seed Treatment Application, Canada 2019, DACO: 7.4.1,7.4.5
3183161	2020, Cyantraniliprole FS (A17960B) - Magnitude and Decline of the Residues in or on Wheat Raw Agricultural Commodities from a Seed Treatment Application, Canada 2019, DACO: 7.4.1,7.4.5
3183149	2020, Value Summary for Fortenza in Cereal for control of wireworms, DACO: 10.1
3183151	2012, A18957L - Seed Care solution development against wireworms in winter cereals - EAME, DACO: 10.2.3.3
3183152	2019, Determine LER of Fortenza (CYNT) for the control of wireworms in Spring Wheat., DACO: 10.2.3.3
3183153	2019, Determine LER of Fortenza (CYNT) for the control of wireworms in Spring Wheat., DACO: 10.2.3.3
3183154	2019, Determine LER of Fortenza (CYNT) for the control of wireworms in Spring Wheat., DACO: 10.2.3.3
3183155	2019, Determine LER of Fortenza (CYNT) for the control of wireworms in Spring Wheat., DACO: 10.2.3.3

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