Mycotoxin Monthly Survey April 2024

Mycotoxins & Analysis



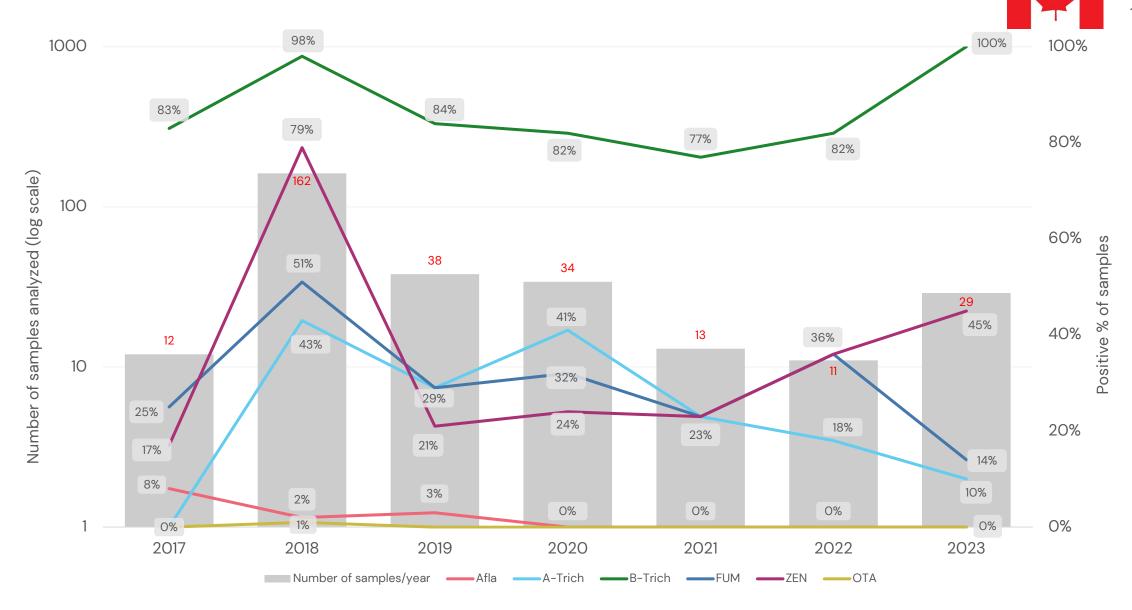
LC-MS/MS



The survey results* represent samples sent in for surveillance testing only and does not include any sample submitted following clinical signs.

Mycotoxin Group	Mycotoxins	Limit of Detection (ppb)
Aflatoxins (Afla)	Aflatoxin B1	1.0
	Aflatoxin B2	1.0
	Aflatoxin G1	1.0
	Aflatoxin G2	1.0
A-Trichothecenes (A-Trich)	T-2 Toxin	60.0
	HT-2 Toxin	60.0
	Diacetoxyscirpenol (DAS)	60.0
B-Trichothecenes (B-Trich)	Deoxynivalenol (DON/Vomitoxin)	60.0
	3-Acetyldeoxynivalenol (3-AcDON)	60.0
	15-Acetyldeoxynivalenol (15-AcDON)	60.0
Fumonisins (FUM)	Fumonisin B1	100.0
	Fumonisin B2	100.0
Zearalenone (ZEN)	Zearalenone	30.0
Ochratoxin A (OTA)	Ochratoxin A	3.0
Sterigmatocystin (STC)	Sterigmatocystin	30.0
Mycophenolic Acid (MPA)	Mycophenolic Acid	30.0

Occurrence Trend in 2023 Canadian Corn

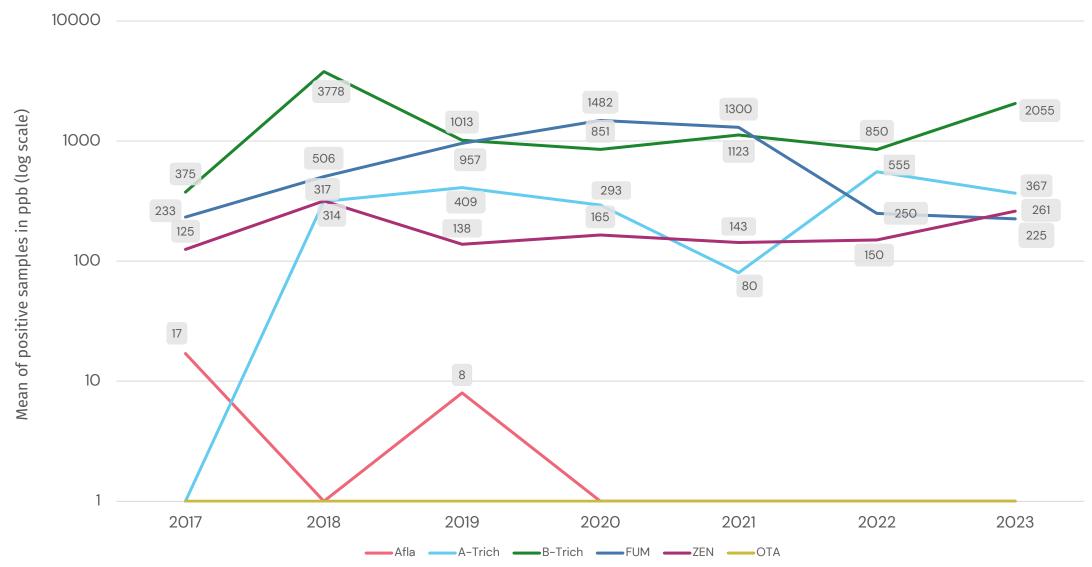


NOXIN Alog

Mean of Positives Trend in 2023 Canadian Corn

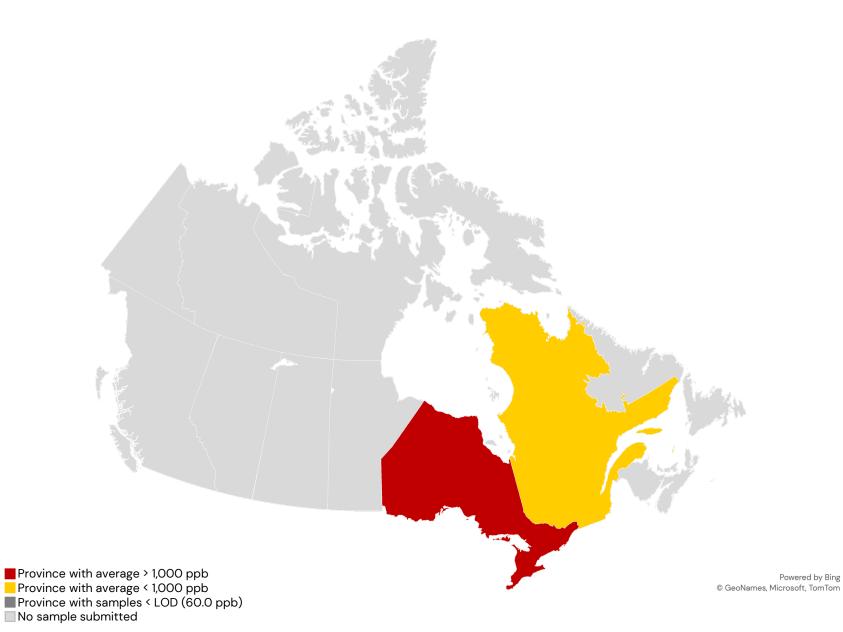






2023 Corn Risk by Province – B-Trich

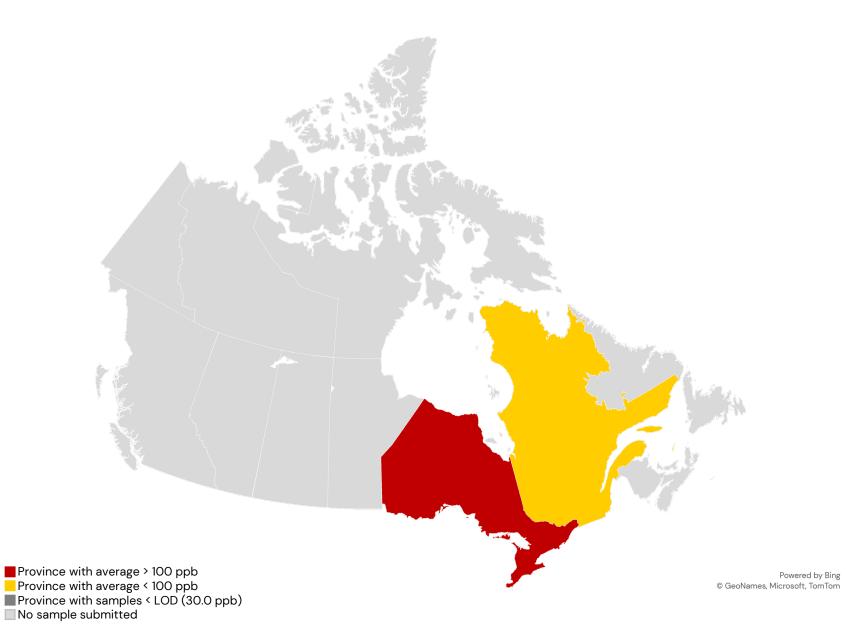




State	Number of Samples	% Positive Samples	Avg of Positive Samples
Ontario	14	100	3284
Quebec	15	100	908

2023 Corn Risk by Province – ZEN



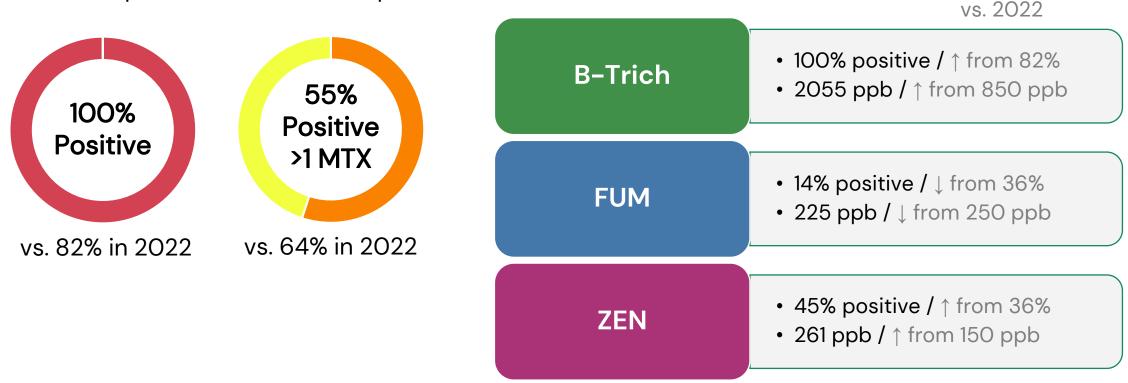


State	Number of Samples	% Positive Samples	Avg of Positive Samples
Ontario	14	64	336
Quebec	15	27	93

Mycotoxin Survey Summary – 2023 Canadian Corn



29 corn samples submitted from 2 provinces



- Continued monitoring and surveillance of new crop ingredients is warranted
 - On-going characterization of contamination patterns and trends
 - Both B-Trich and ZEN appear to be occurring more frequently and in higher concentrations than what was observed in 2022 crop

Questions?



Thank you!

Paige Gott, PhD
Strategic Product Manager
paige.gott@dsm-firmenich.com
+1-210-727-6533



©osh4

Erin Schwandt, PhD
Sr. Ruminant Technical Manager
erin.schwandt@dsm-firmenich.com
+1-785-473-3485

Lan Zheng, PhD
Swine Technical Manager
Lan.zheng-tugwell@dsm-firmenich.com
+1-913-201-5166





Chasity Pender, PhD
Sr. Poultry Technical Manager
chasity.pender@dsm-firmenich.com
+1-210-842-0178

We bring progress to life™