Mycotoxin Occurrence in 2022 Canadian Corn Grain





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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 (ZEN)	30.0
Ochratoxin A (OTA)	Ochratoxin A (OTA)	3.0
Sterigmatocystin (STC)	Sterigmatocystin (STC)	30.0
Mycophenolic Acid (MPA)	Mycophenolic Acid (MPA)	30.0

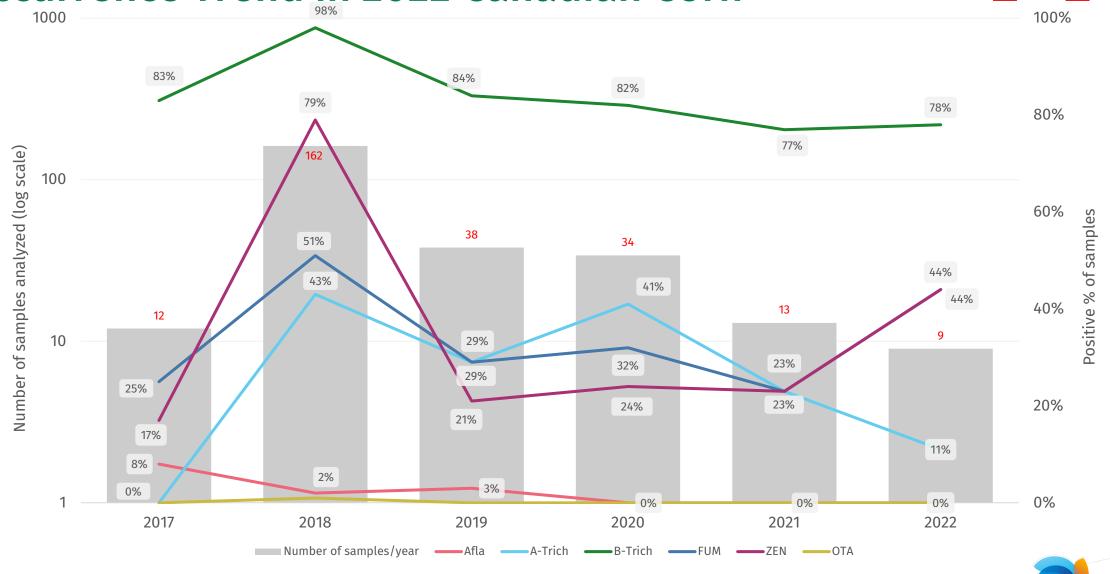


*Results are reported as the summation of mycotoxin levels detected per Mycotoxin Group. (For example, B-Trich represents total contamination detected for DON + 3-AcDON + 15-AcDON)

2022 Canadian Corn (dry matter basis)

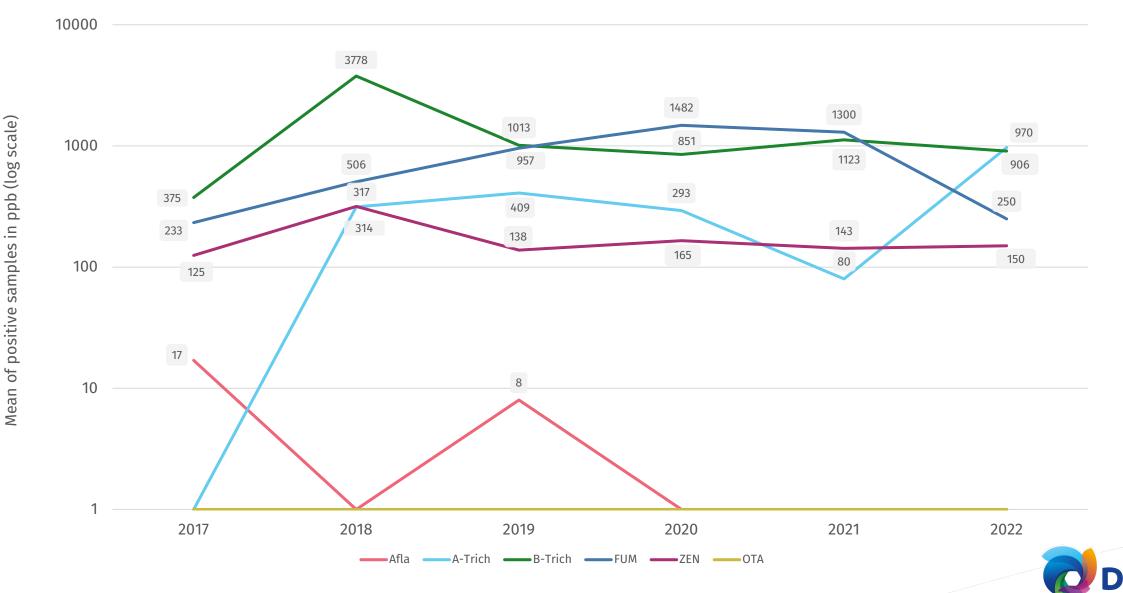
Occurrence Trend in 2022 Canadian Corn





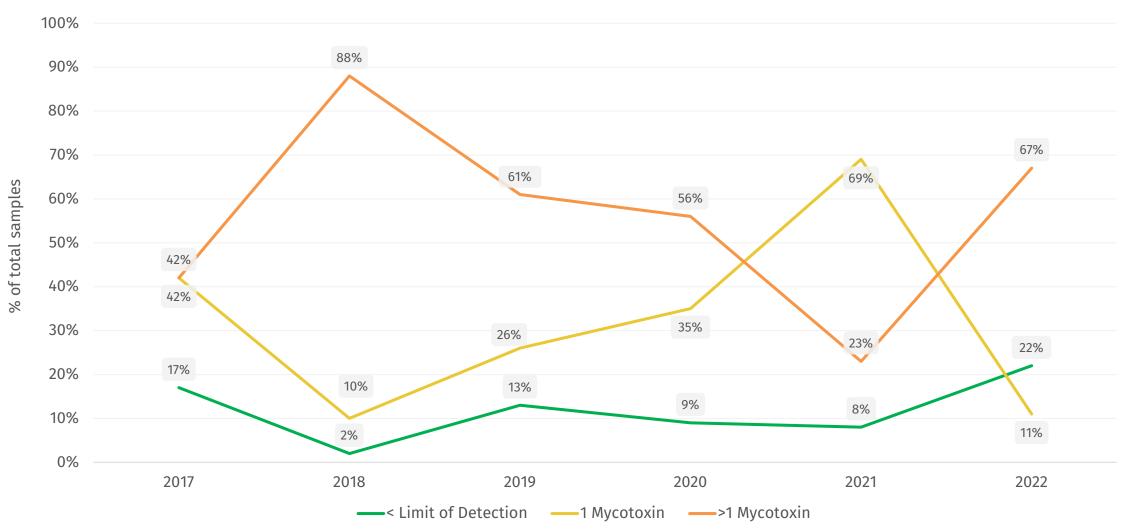
Based on the samples analyzed.

Mean of Positives Trend in 2022 Canadian Corn



JOXIN RIST

Co-occurrence Trend in 2022 Canadian Corn





JOXIN RIST

2022 Corn Risk by Province – B-Trich



State	Number of Samples	% Positive Samples	Avg of Positive Samples
Ontario	3	33	2060
Quebec	6	100	713

Province with average > 1000 ppb
Province with average < 1000 ppb

Province with average < 1000 ppb
Province with samples < LOD (100 ppb)

No comple submitted

7 No sample submitted

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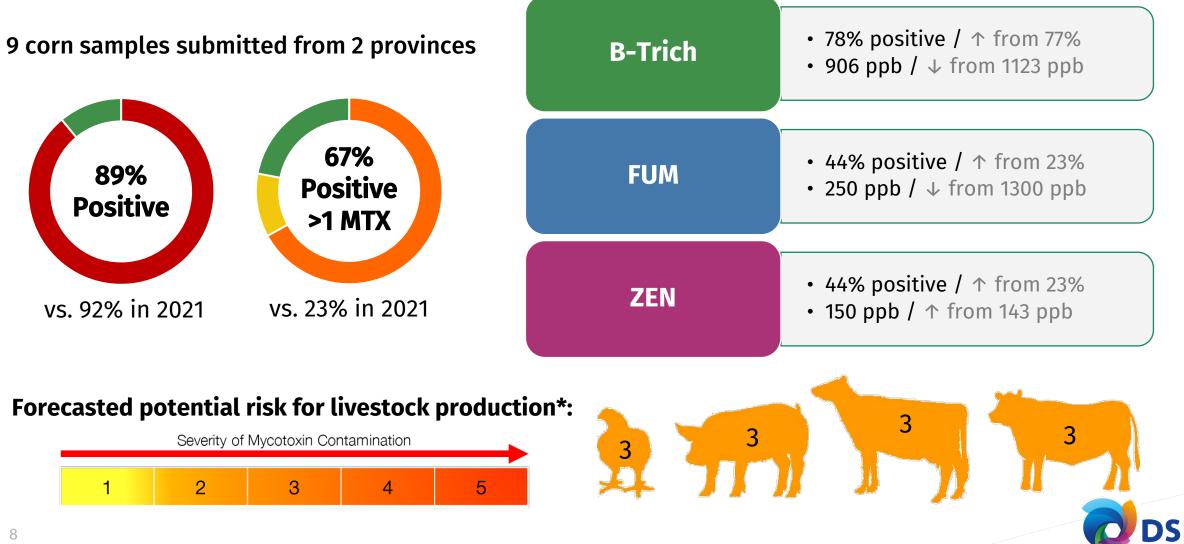


Based on the samples analyzed in this region.

Mycotoxin Survey Summary – 2022 Canadian Corn



vs. 2021



*Based on the samples analyzed.





Thank you!

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dsm.com/mycotoxin-survey

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