



Mycotoxin Occurrence in 2020 Canadian Corn Dec 2020 Update

Dec 3, 2020

Mycotoxins & Analysis



LC-MS/MS

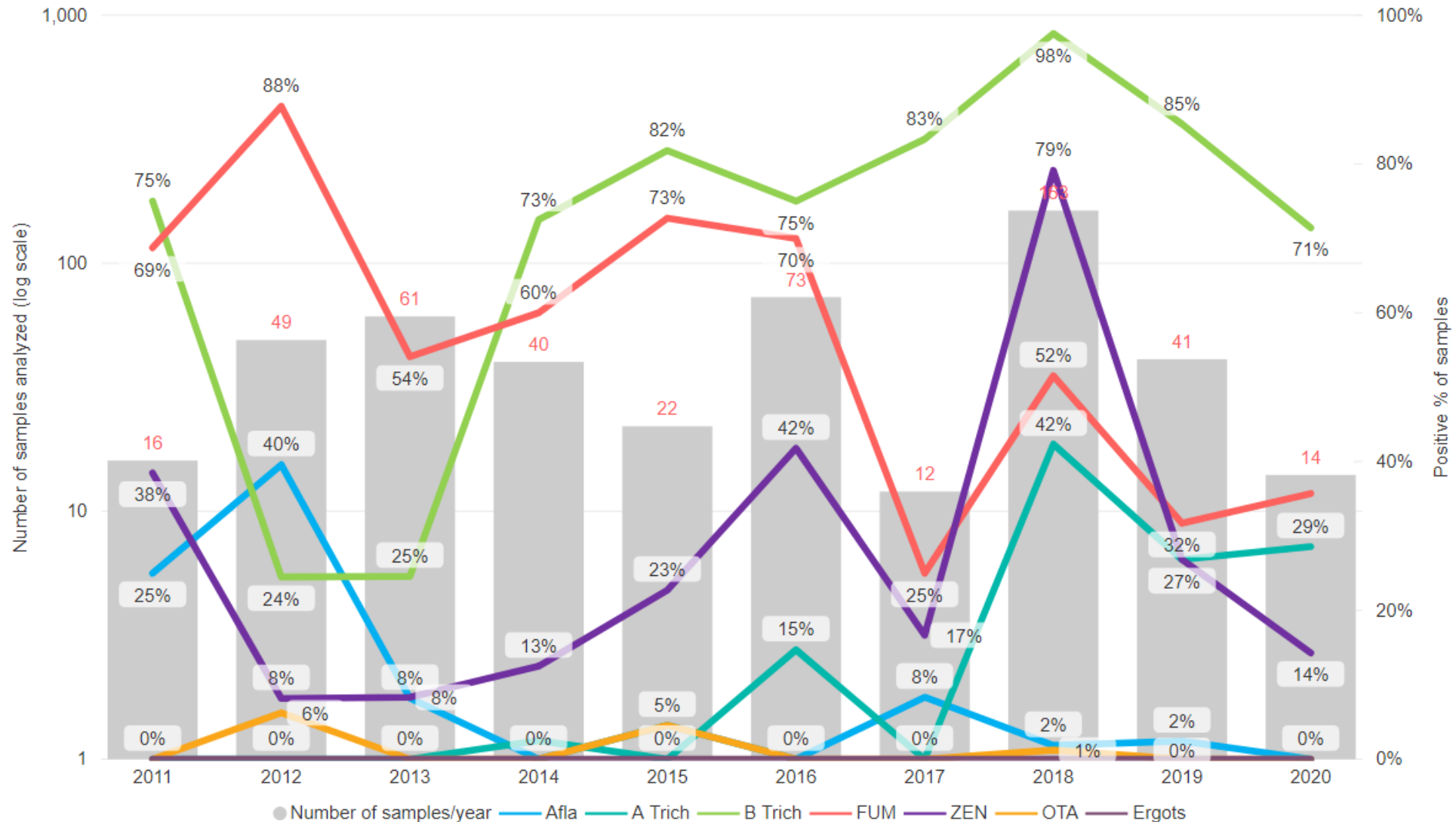


| Mycotoxin Group | Mycotoxins | Limit of Detection (ppb) |
|----------------------------|------------------------------------|--------------------------|
| Aflatoxins (AFLA) | Aflatoxin B1 | 1.0 |
| | Aflatoxin B2 | 1.0 |
| | Aflatoxin G1 | 1.0 |
| | Aflatoxin G2 | 1.0 |
| A-Trichothecenes (A-Trich) | T-2 | 60.0 |
| | HT-2 | 60.0 |
| | Diacetoxyscirpenol (DAS) | 60.0 |
| B-Trichothecenes (B-Trich) | Deoxynivalenol (DON/Vomitoxin) | 60.0 |
| | 3-Acetyl-deoxynivalenol (3A-DON) | 60.0 |
| | 15-Acetyl-deoxynivalenol (15A-DON) | 60.0 |
| Fumonisin (FUM) | Fumonisin B1 | 100.0 |
| | Fumonisin B2 | 100.0 |
| Zearalenone (ZEN) | Zearalenone (ZEN) | 30.0 |
| Ochratoxin A (OTA) | Ochratoxin A (OTA) | 3.0 |
| Sterigmatocystin | Sterigmatocystin | 30.0 |

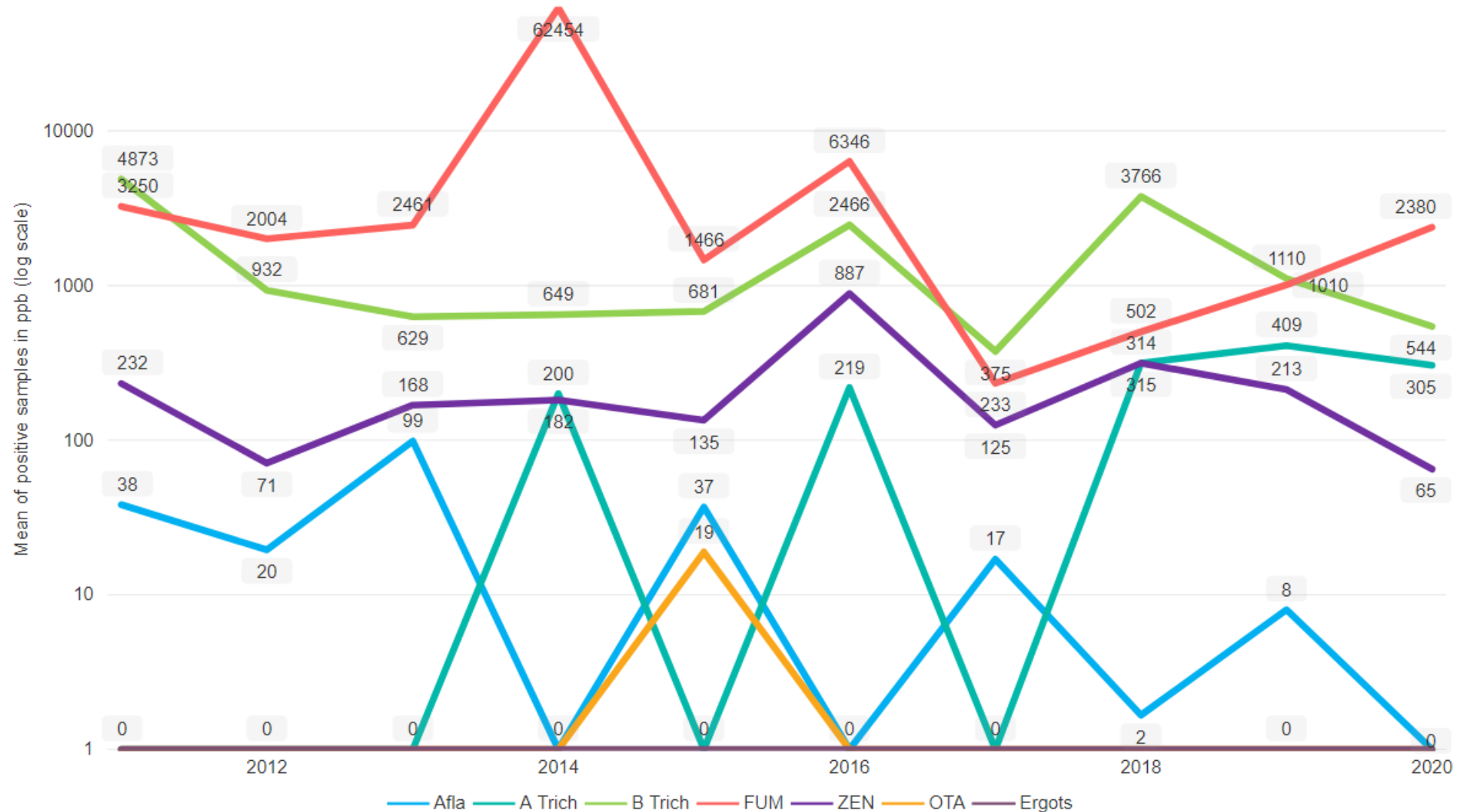


2020 Canadian Corn (as-fed basis)

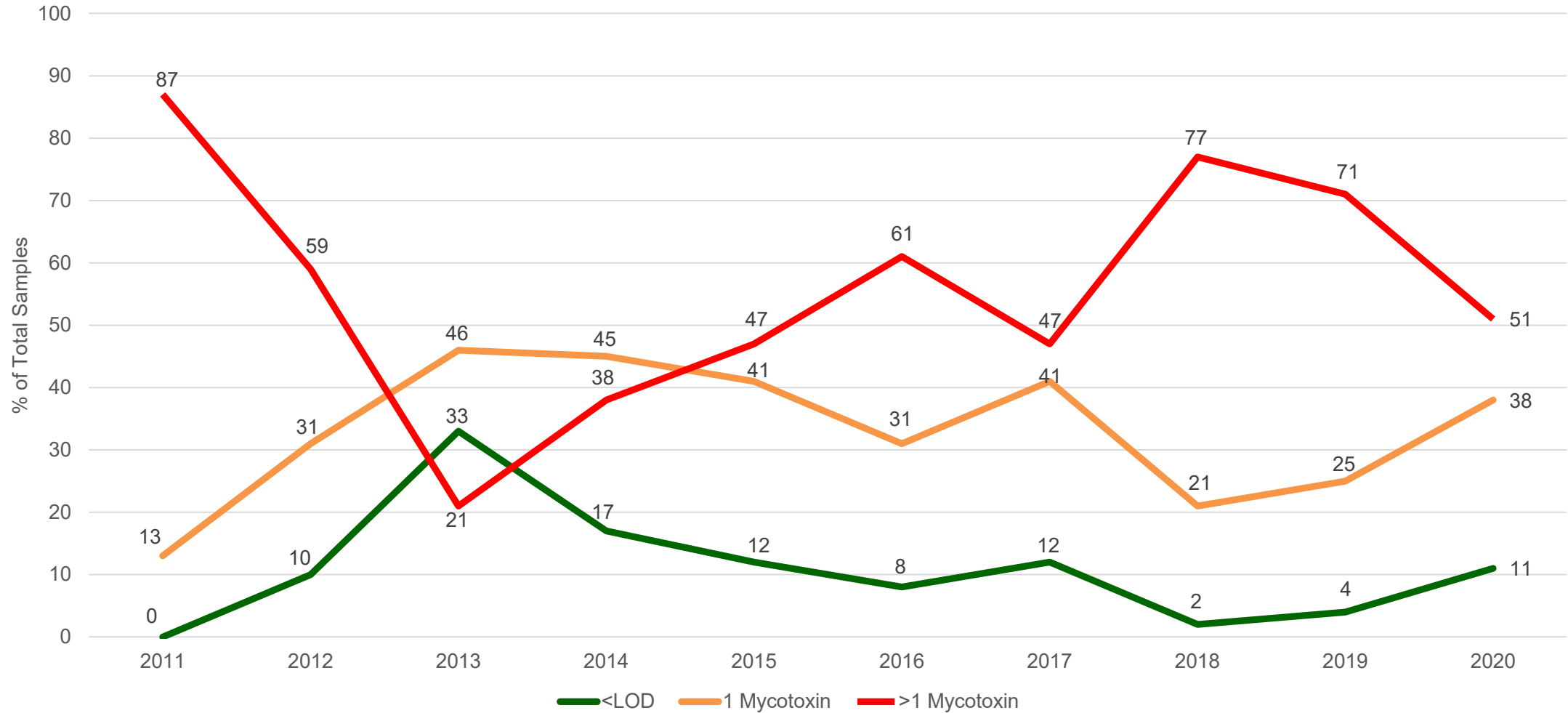
MTX Occurrence Trend in 2020 Canadian Corn



Mean of Positives Trend in 2020 Canadian Corn



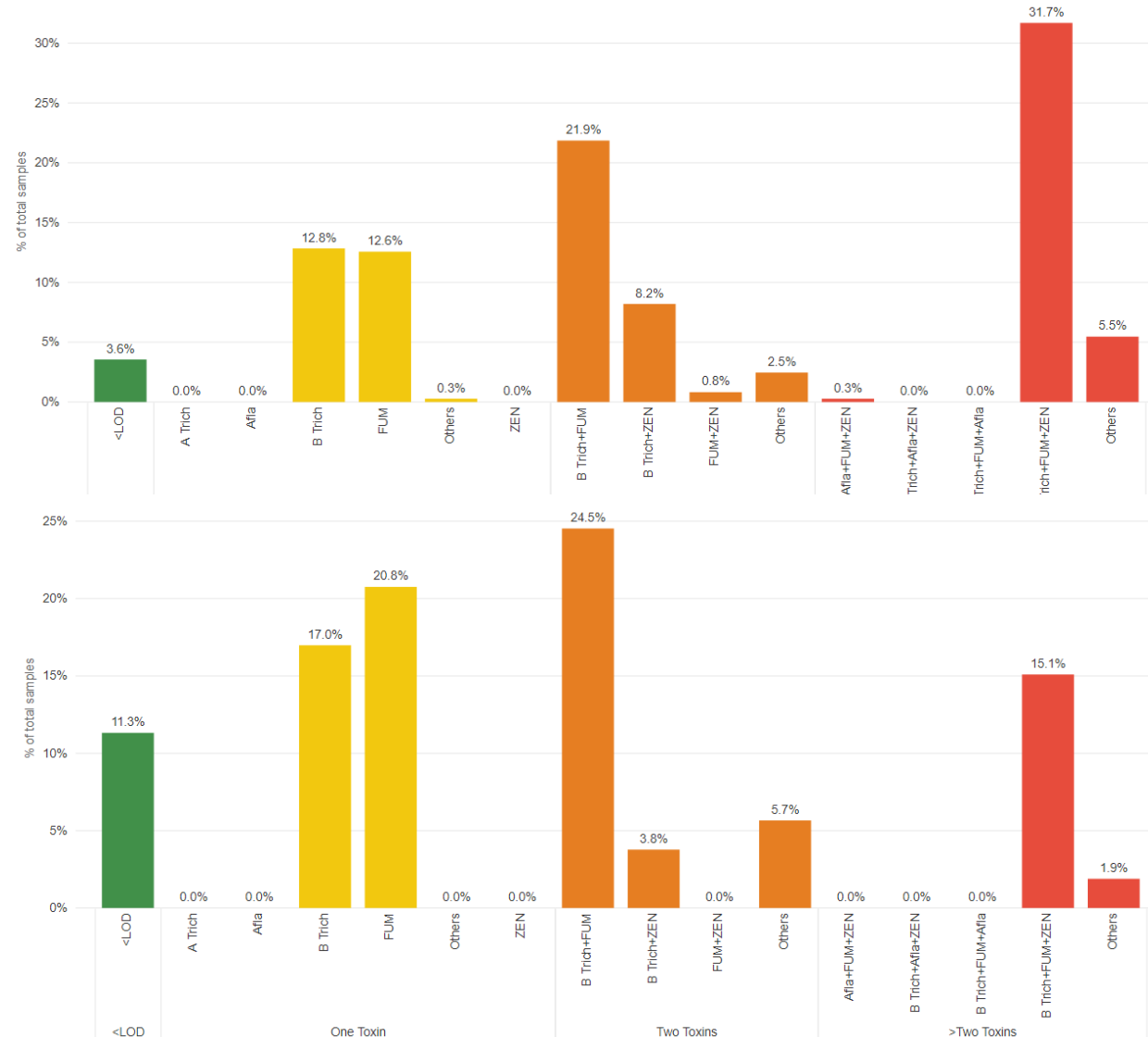
MTX Co-occurrence Trend in 2020 Canadian Corn



MTX Co-occurrence 2019 vs. 2020 in Canadian Corn

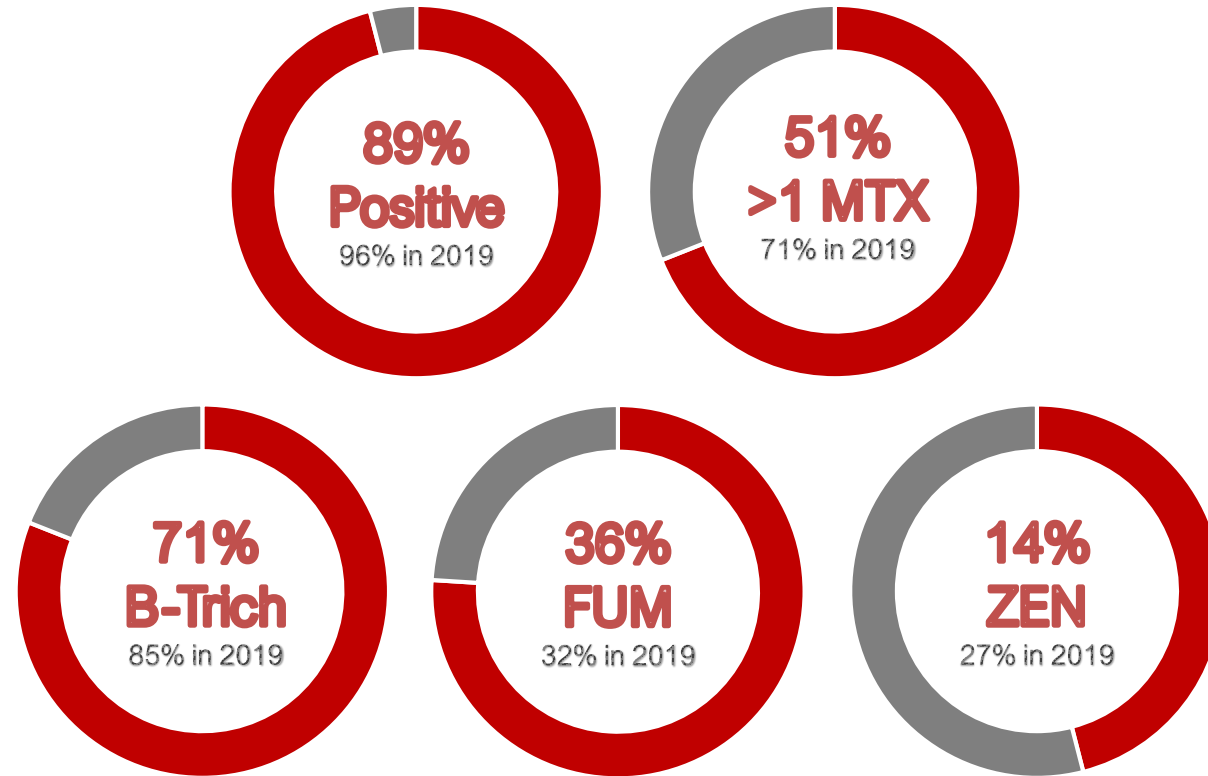


2019



2020

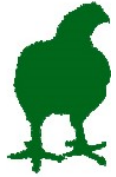
Mycotoxin Survey Summary - 2020 Canadian Corn



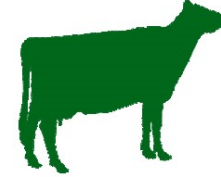
Forecasted risk for livestock production



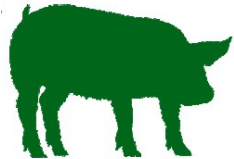
Questions?



chасыty.pender@biomin.net



paige.gott@biomin.net



lan.zheng@biomin.net



erin.schwandt@biomin.net



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