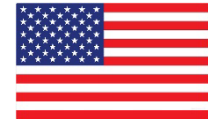


Mycotoxin Occurrence in 2020 US Corn & Corn By-products Jan 2021 Update

Jan 8, 2021

Mycotoxins & Analysis

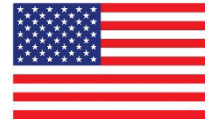


LC-MS/MS



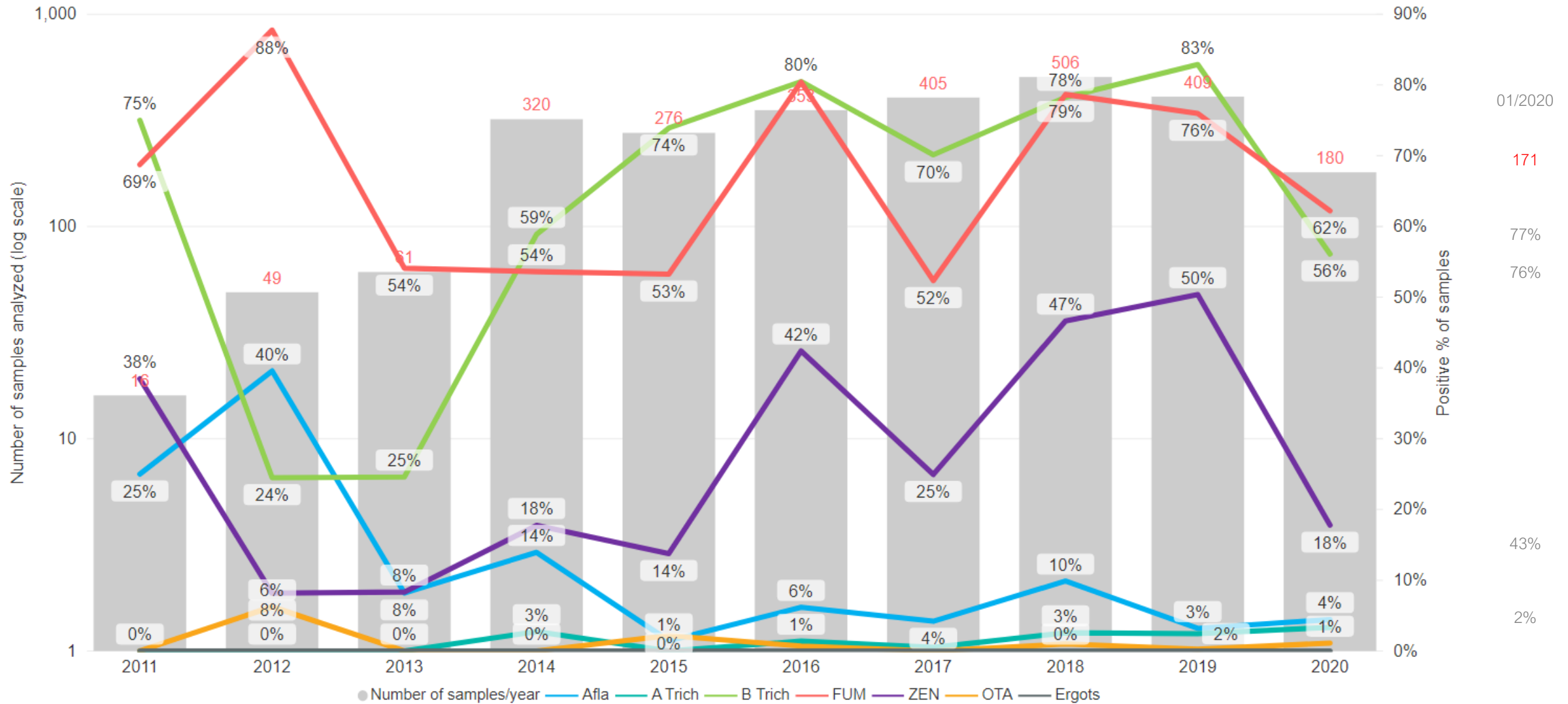
2 Labs

Mycotoxin Group	Mycotoxins	Limit of Detection (ppb)
Aflatoxins (AFLA)	Aflatoxin B1	1.3
	Aflatoxin B2	1.2
	Aflatoxin G1	1.1
	Aflatoxin G2	1.6
A-Trichothecenes (A-Trich)	T-2	100.0
	HT-2	100.0
	Neosolaniol	100.0
	Diacetoxyscirpenol (DAS)	100.0
B-Trichothecenes (B-Trich)	Deoxynivalenol (DON/Vomitoxin)	100.0
	Acetyl-deoxynivalenol (A-DON)	100.0
	Nivalenol (NIV)	100.0
	Fusarenon X (FUS-X)	100.0
Fumonisin (FUM)	Fumonisin B1	100.0
	Fumonisin B2	100.0
	Fumonisin B3	100.0
Zearalenone (ZEN)	Zearalenone (ZEN)	51.7
Ochratoxin A (OTA)	Ochratoxin A (OTA)	1.1

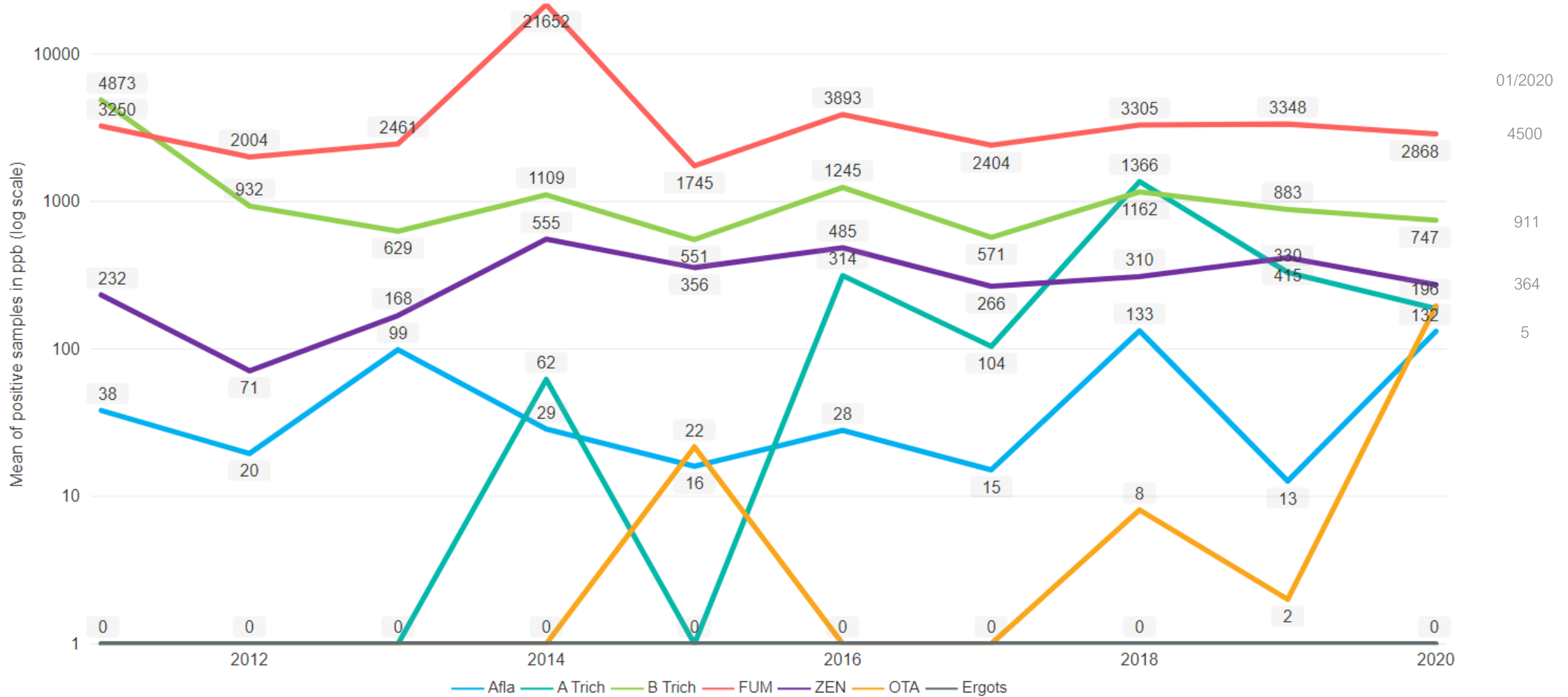


2020 US Corn (as-fed basis)

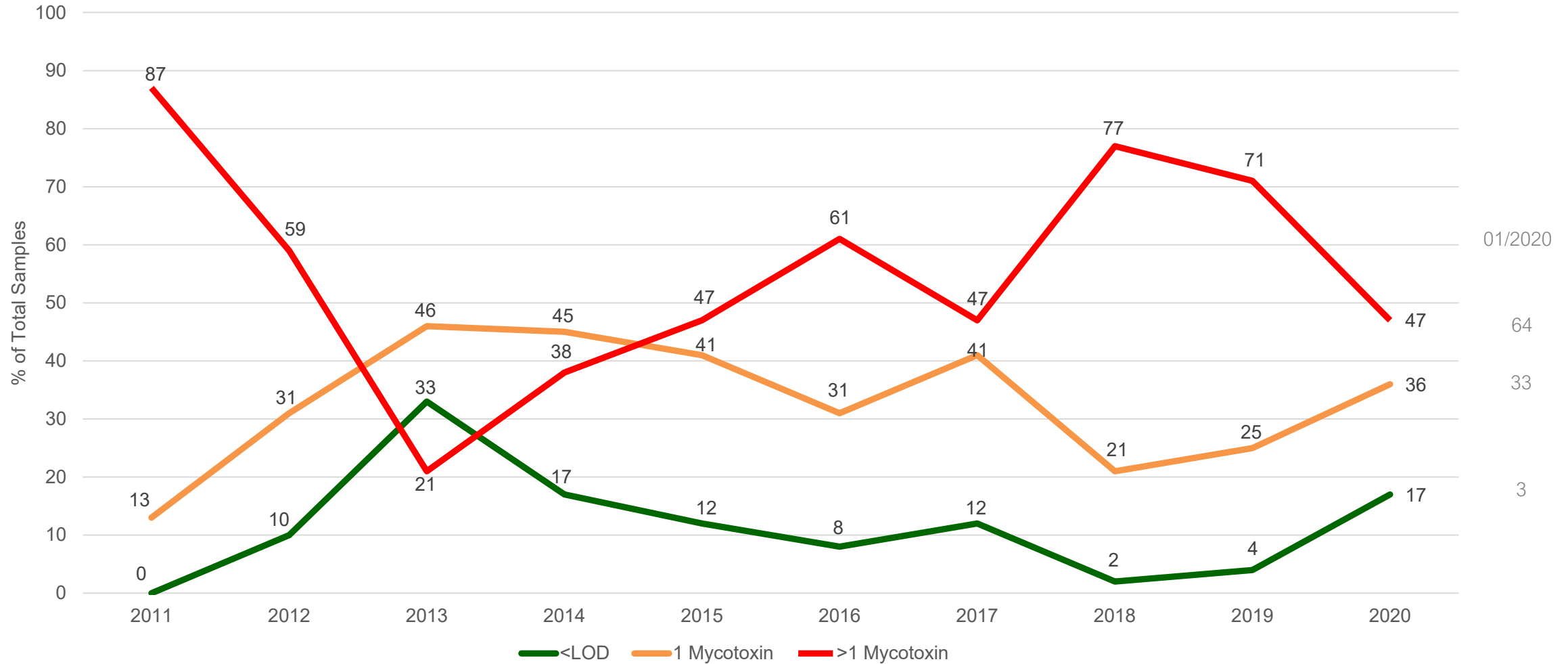
MTX Occurrence Trend in 2020 US Corn



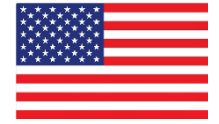
Mean of Positives Trend in 2020 US Corn



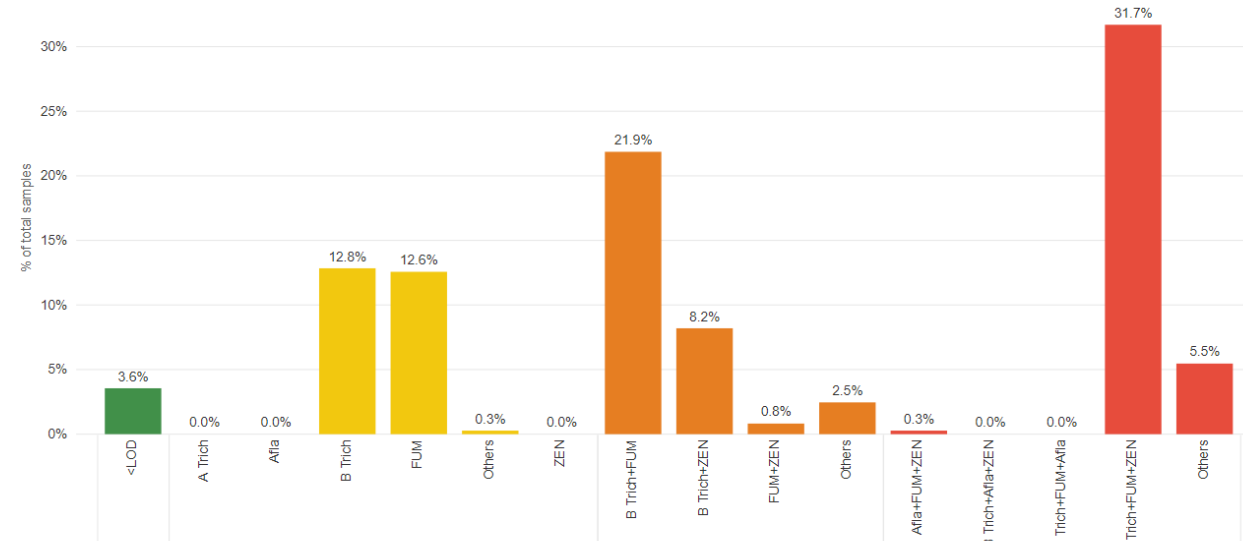
Mycotoxin Co-occurrence Trend in 2020 US Corn



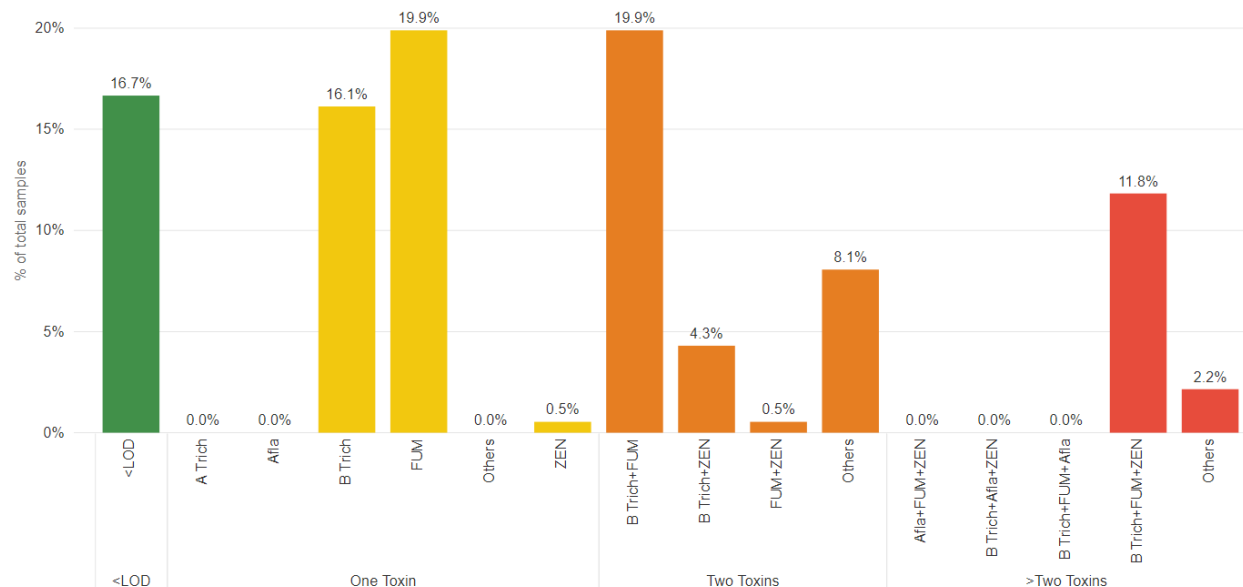
Mycotoxin Co-occurrence 2019 vs. 2020 in US Corn



2019



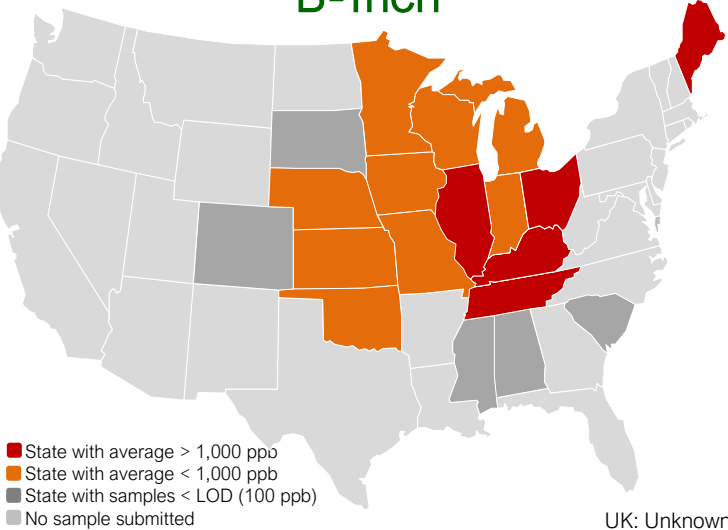
2020



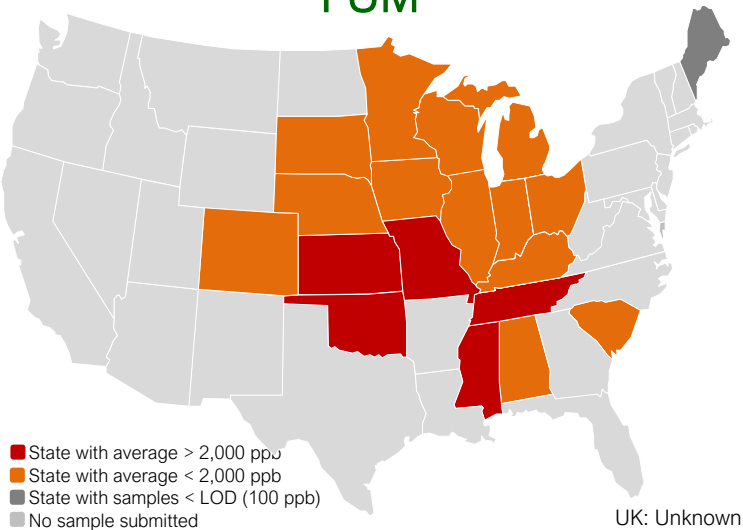
2020 Corn Risk by State



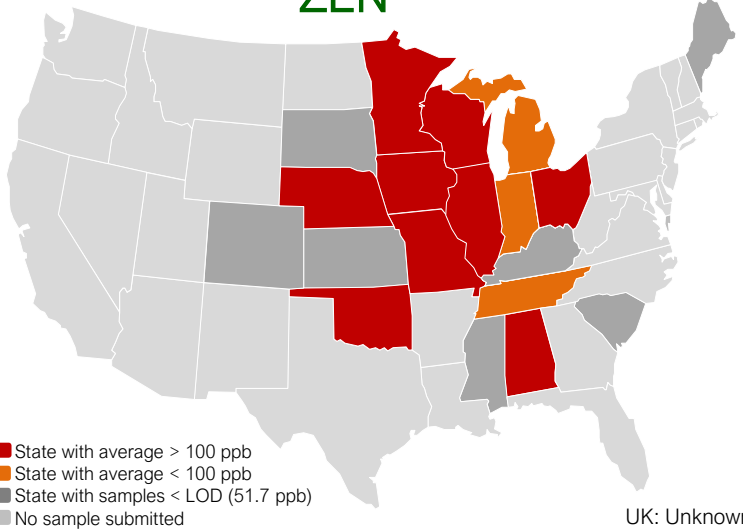
B-Trich



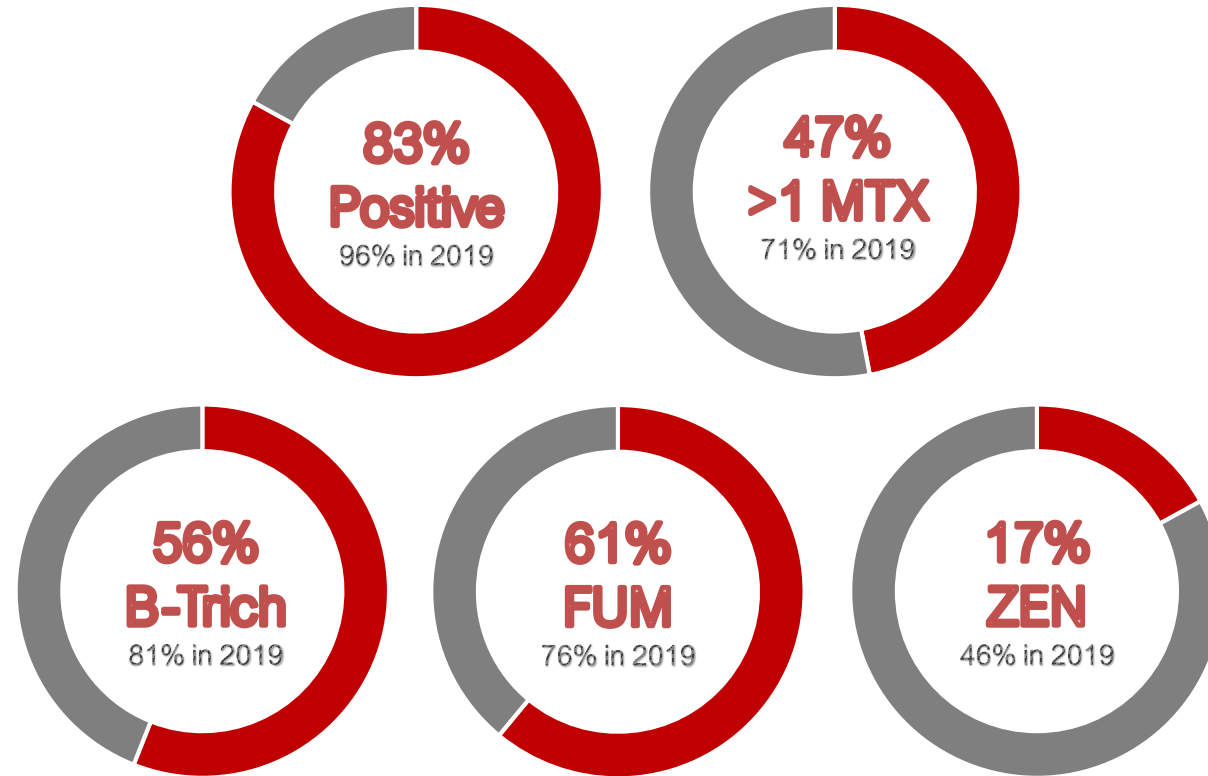
FUM



ZEN

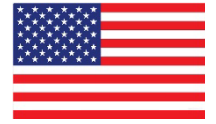


Mycotoxin Survey Summary - 2020 US Corn



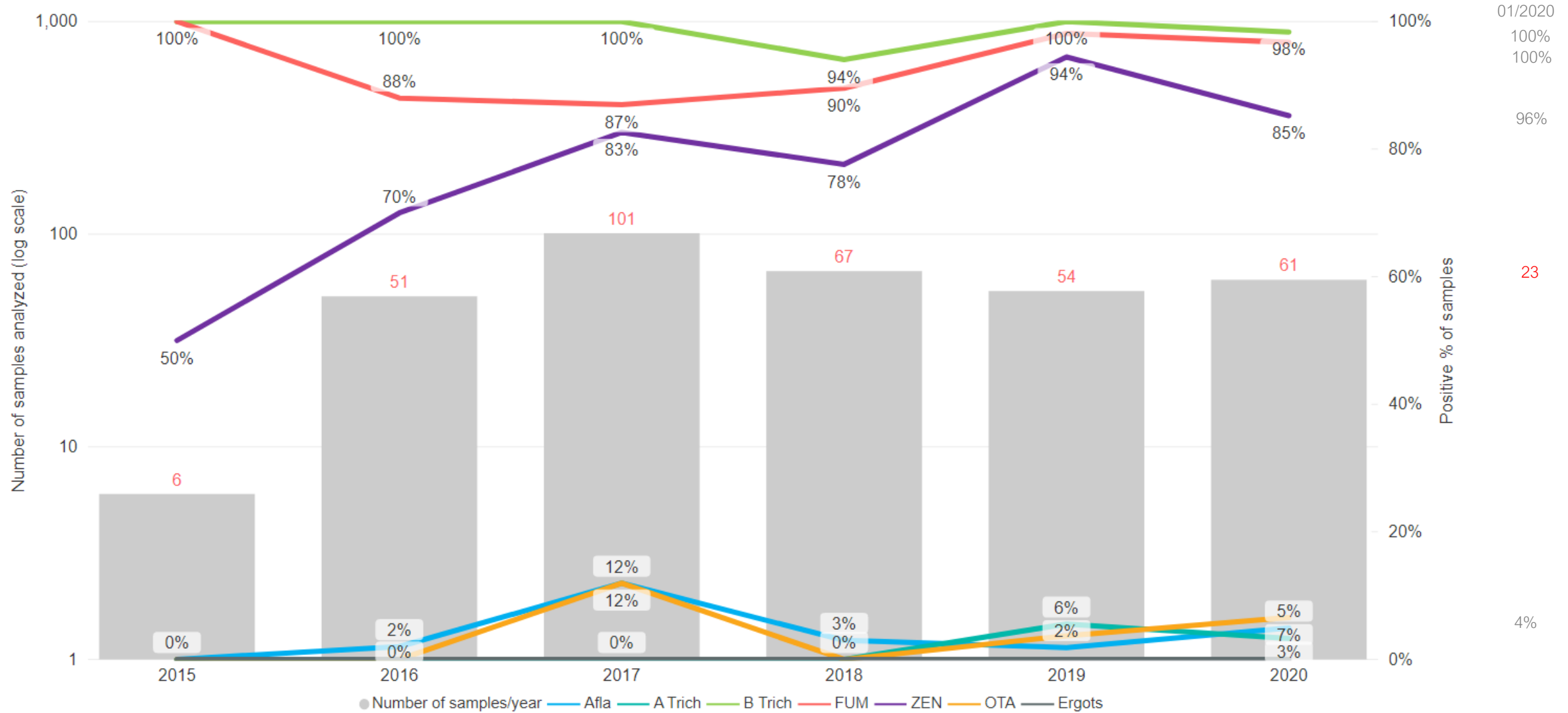
Forecasted risk for livestock production



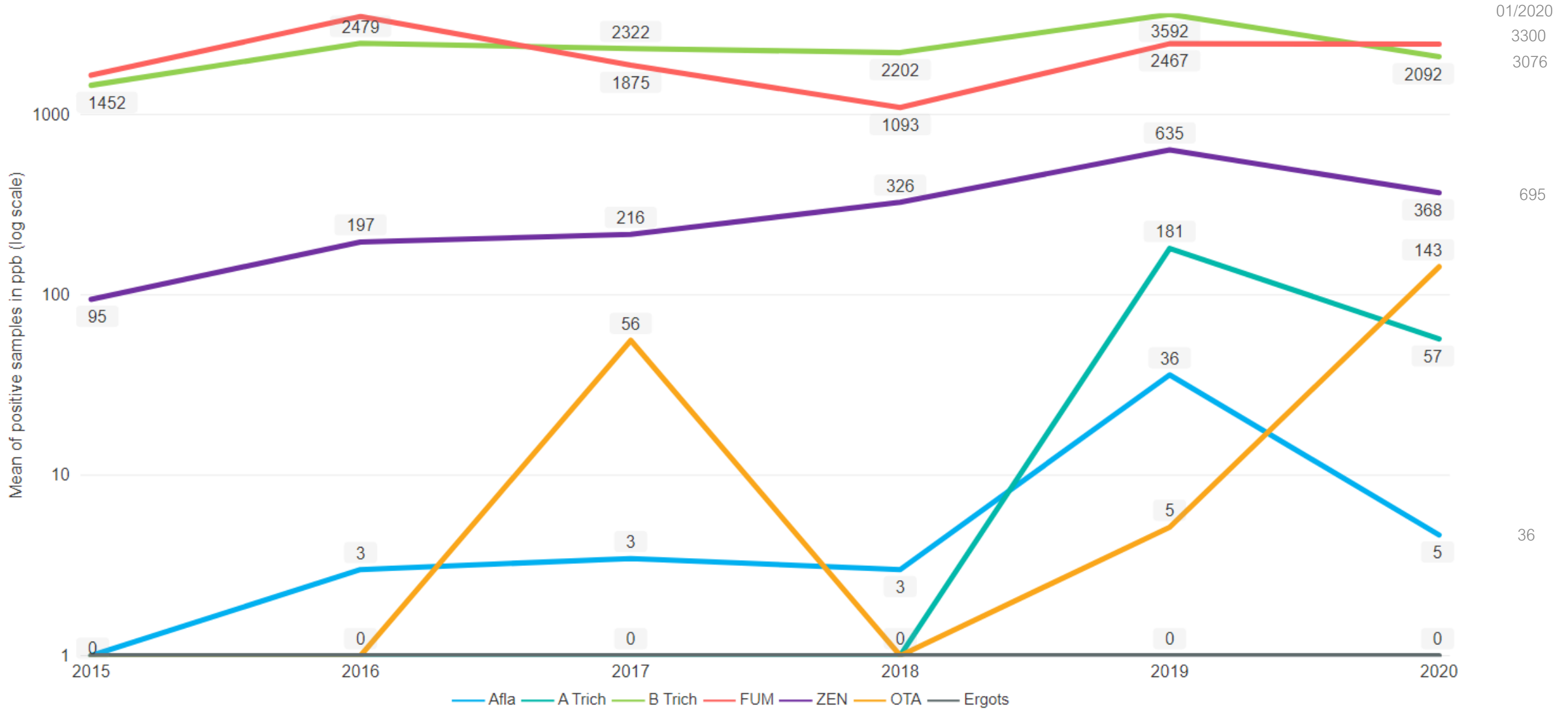


2020 US Corn By-products (as-fed basis)

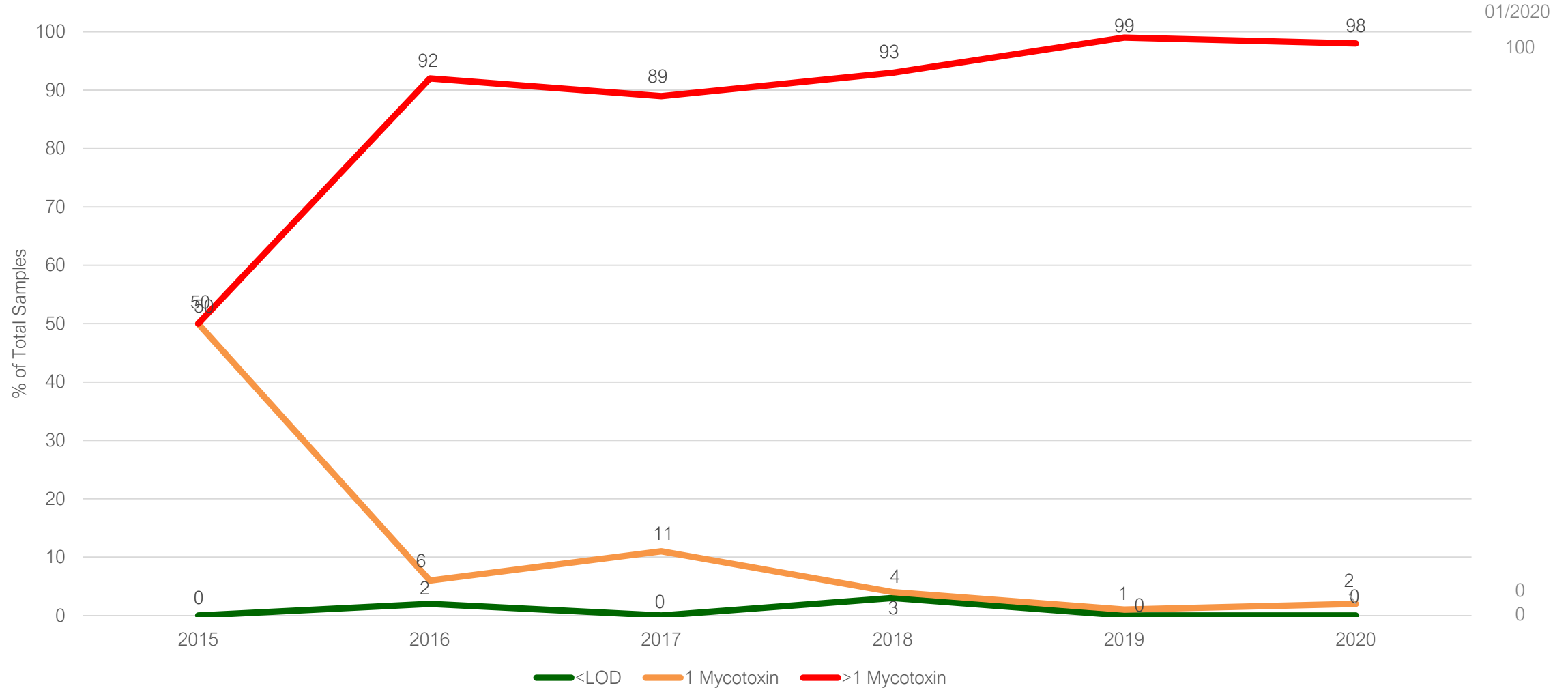
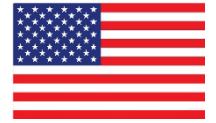
Occurrence Trend in USA



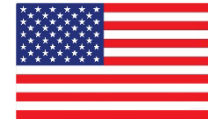
Mean of Positives Trend in USA



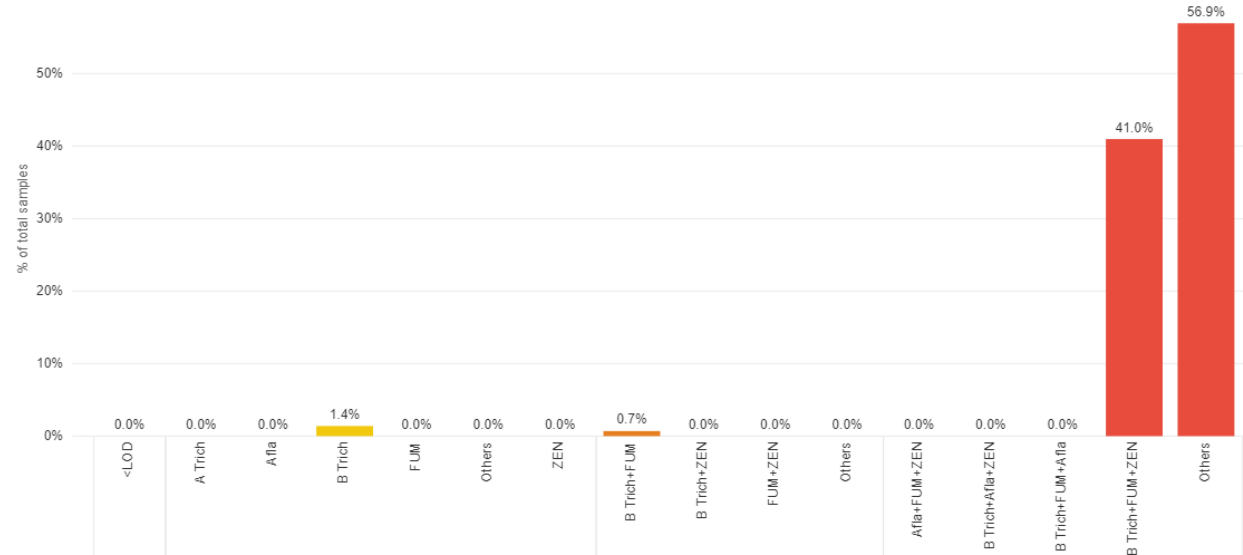
Co-occurrence Trend in USA



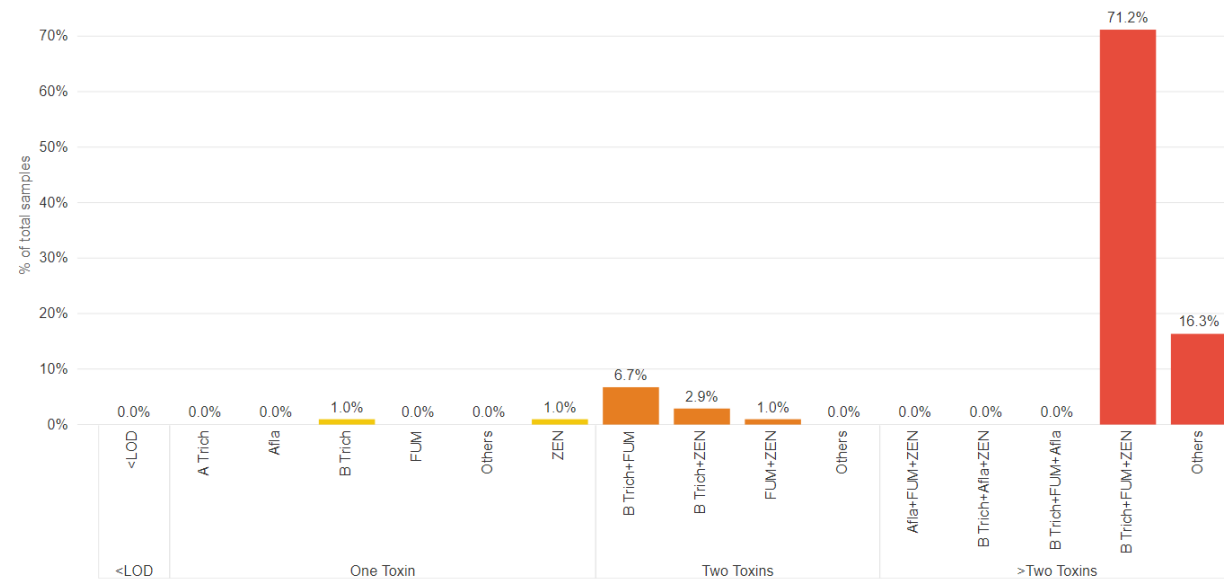
Co-occurrence 2019 vs. 2020 in USA



2019



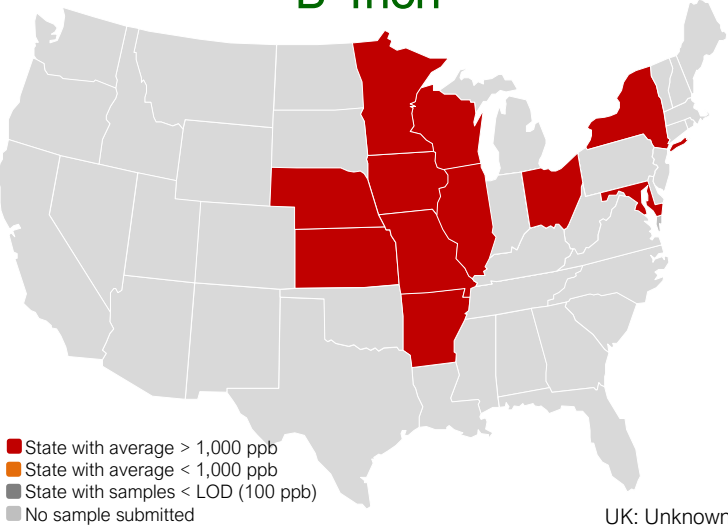
2020



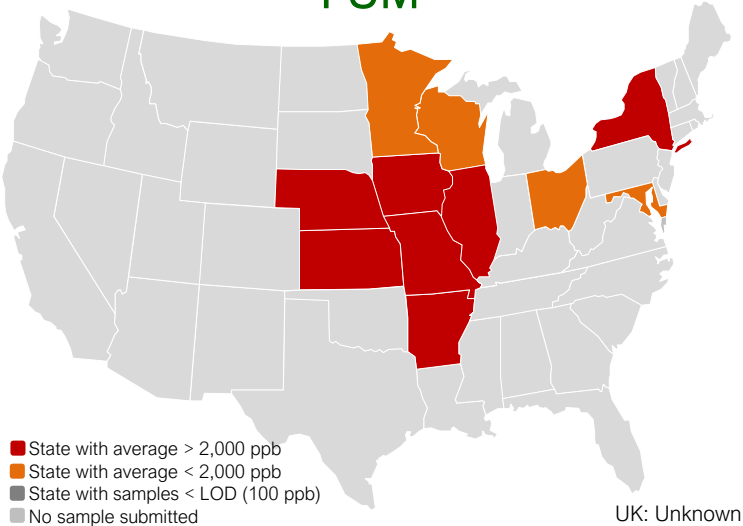
2020 Corn By-products Risk by State



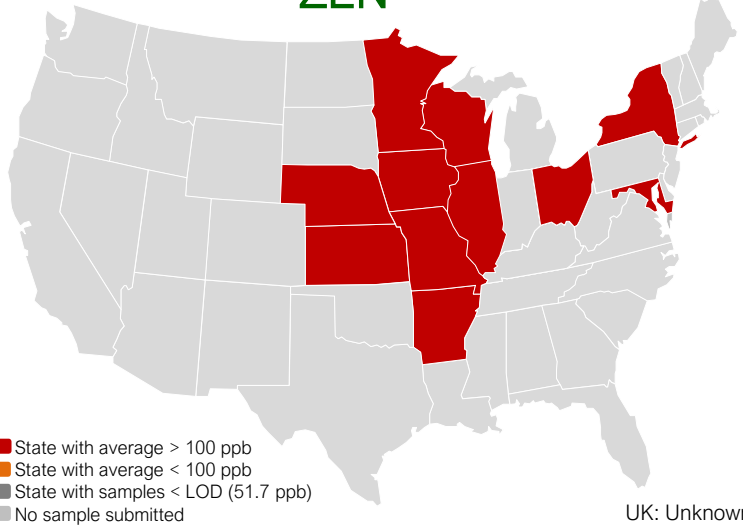
B-Trich



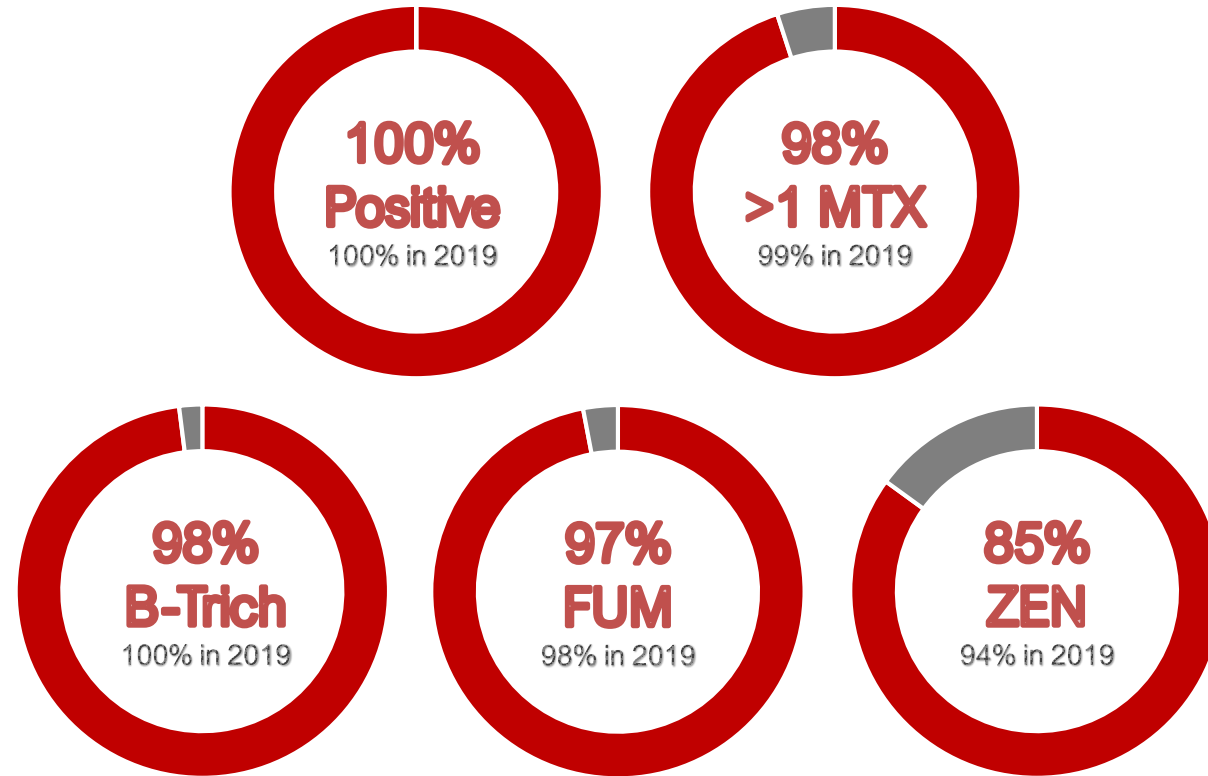
FUM



ZEN



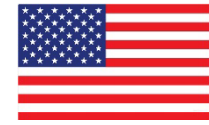
Mycotoxin Survey Summary - 2020 US Corn By-products



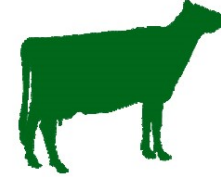
Forecasted risk for livestock production



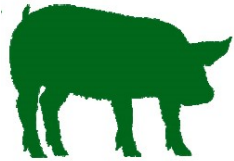
Questions?



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