

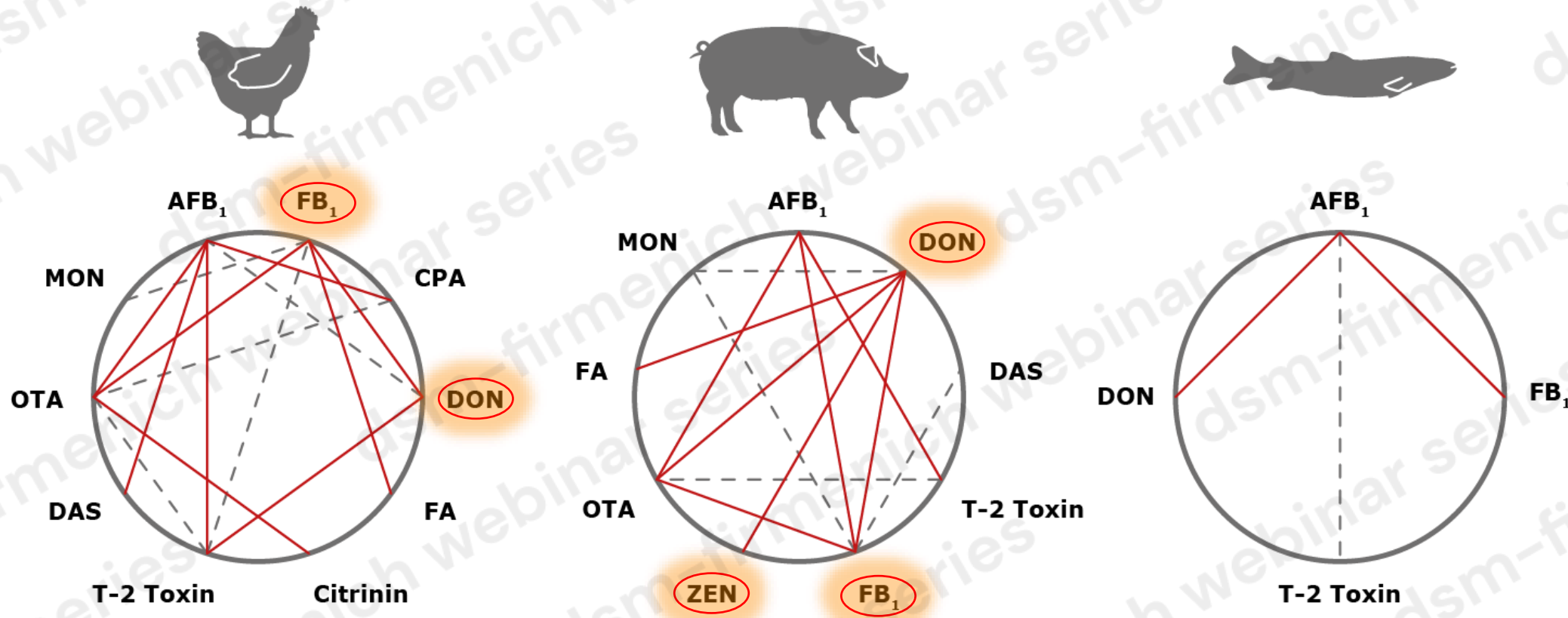
Milho em 2.023 e Q1 2024: Micotoxinas clássicas

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Co-Contamination → Synergism

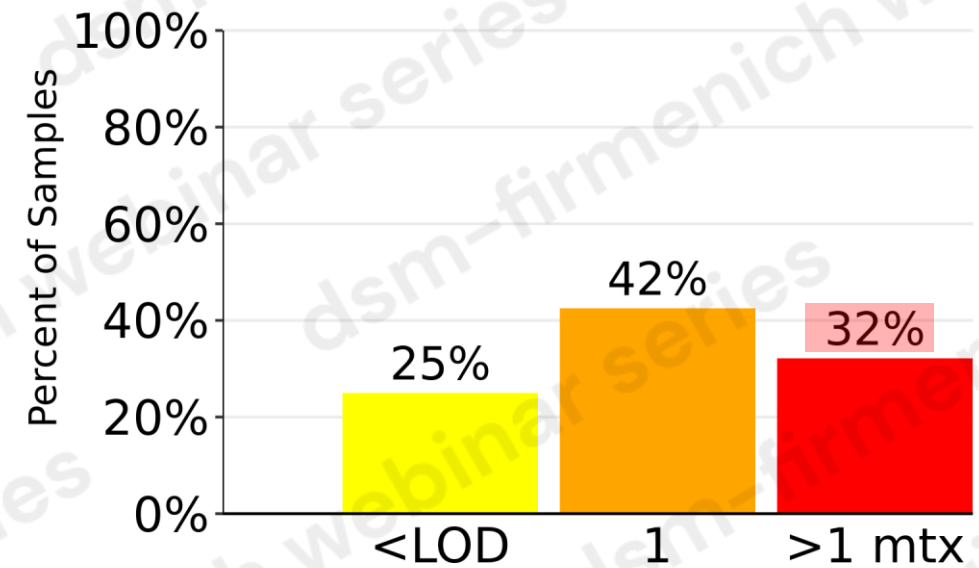
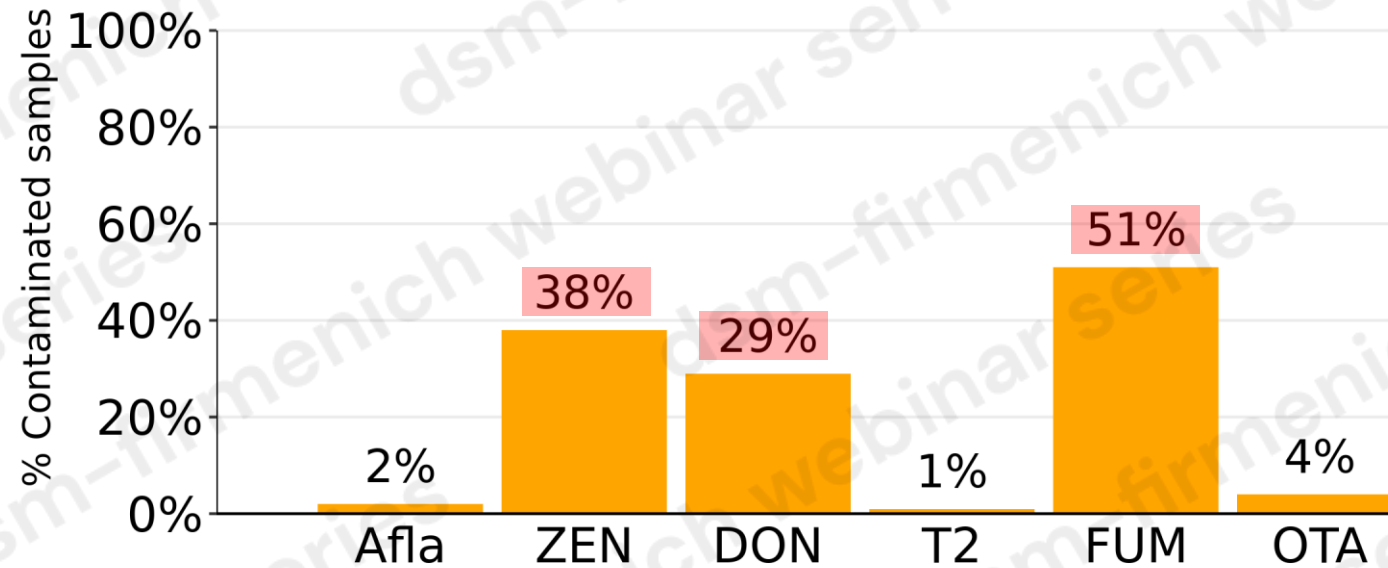
The severity of one mycotoxin can be increased by the presence of others:
Additive (---) and synergistic (—) effects can occur



Summary for Corn kernels in Brazil from Jan 2023 to Dec 2023



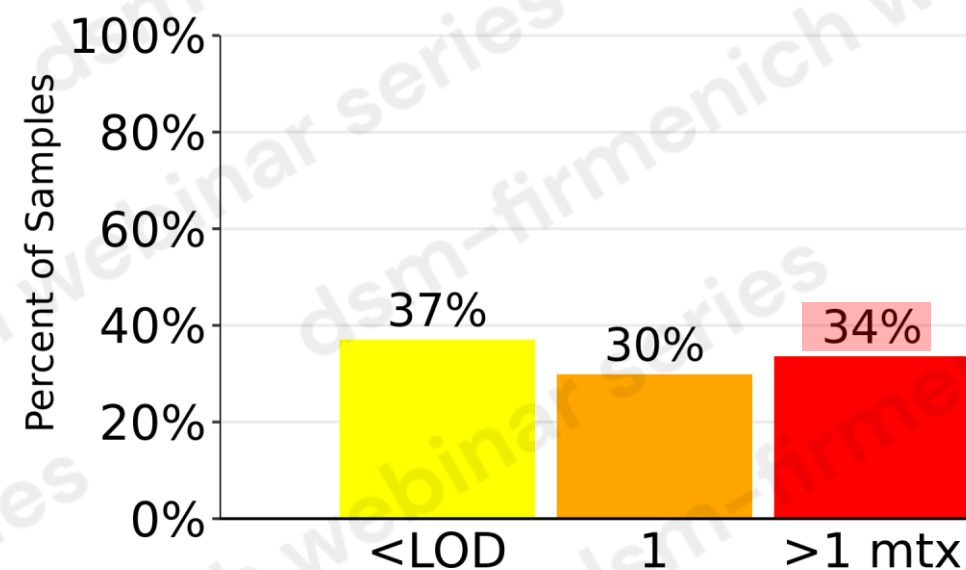
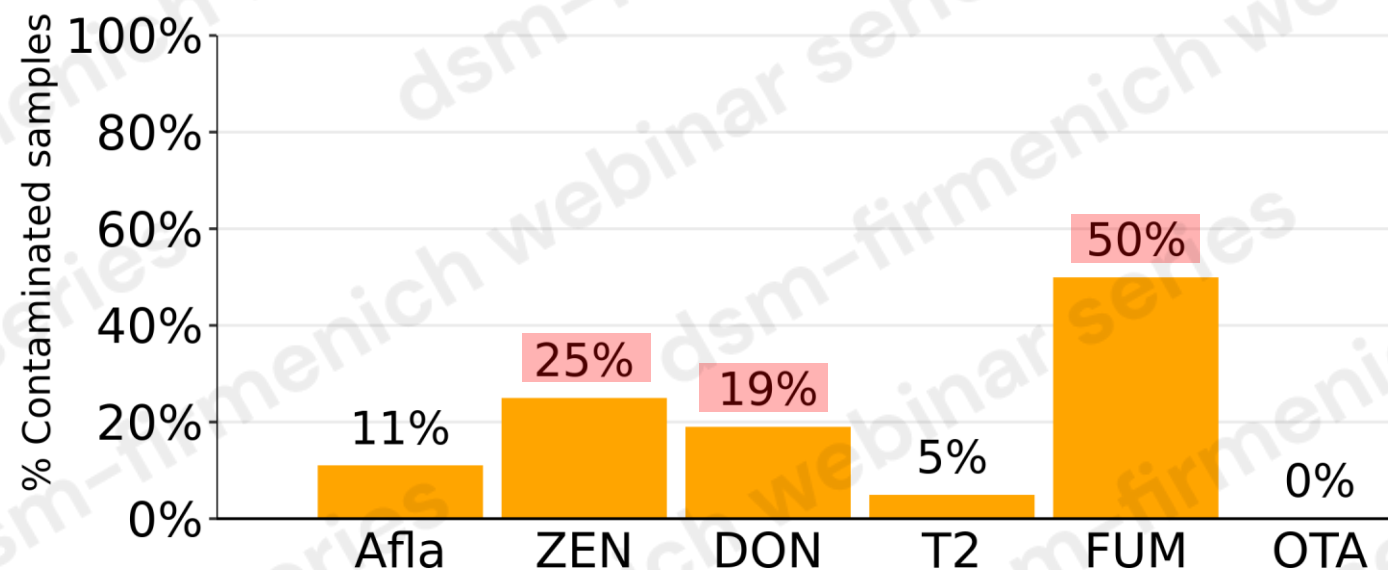
Parameter	Afla	ZEN	DON	T2	FUM	OTA
Number of samples	902	842	909	316	915	46
% Contaminated samples	2%	38%	29%	1%	51%	4%
% Above risk threshold	2%	23%	27%	0%	35%	2%
Average of positives (ppb)	19	118	489	46	1097	11
Median of positives (ppb)	8	65	400	46	750	11
Maximum (ppb)	119	2612	1930	60	5640	19



Summary for Corn kernels in Brazil from Jan 2024 to Jun 2024



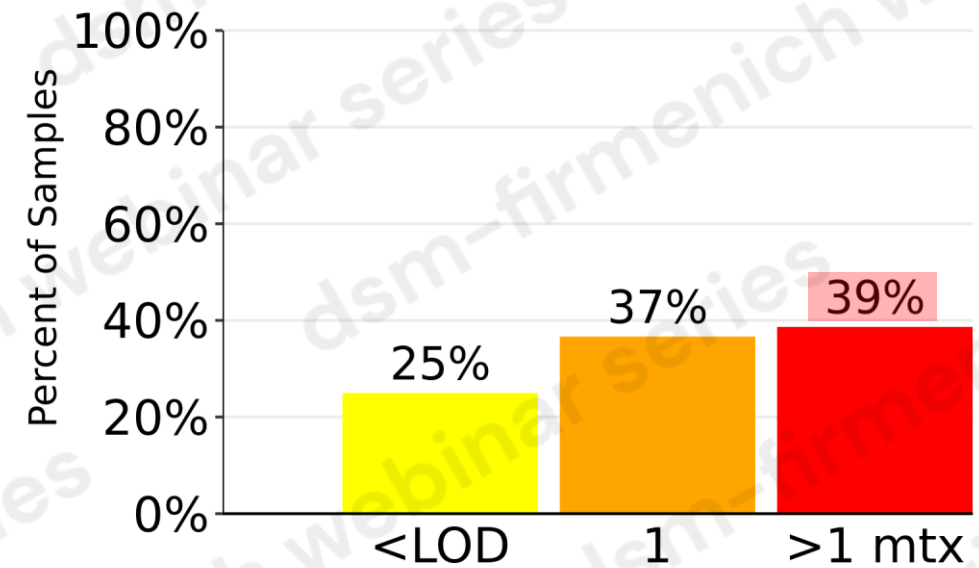
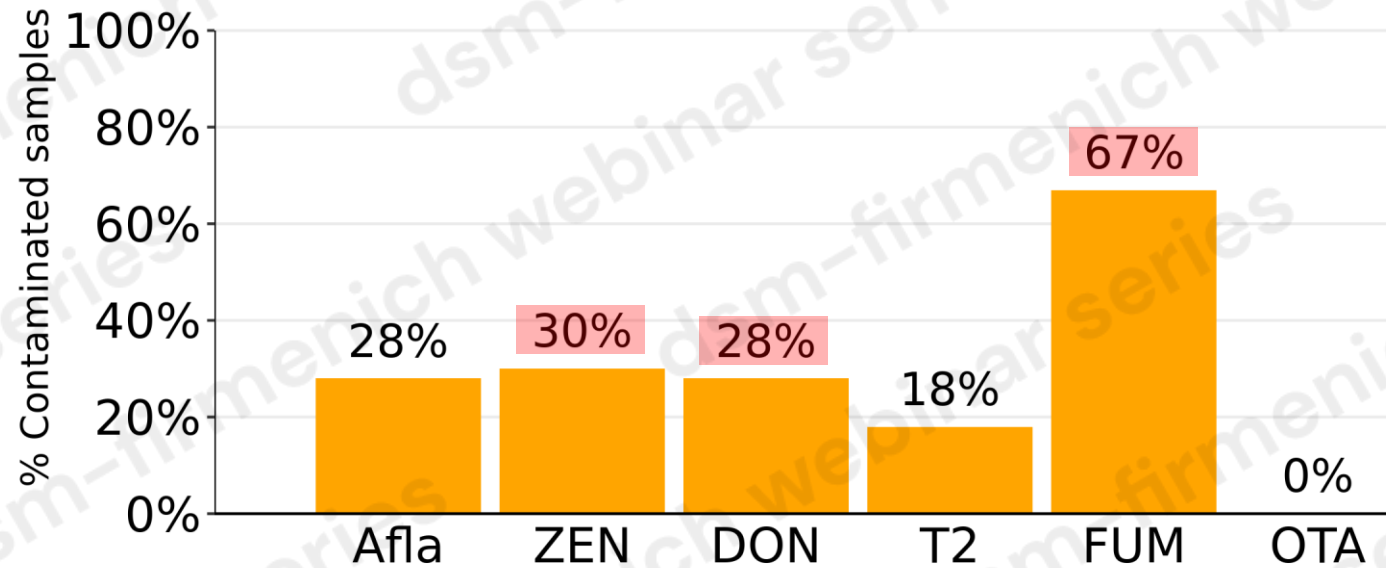
Parameter	Afla	ZEN	DON	T2	FUM	OTA
Number of samples	107	107	107	107	107	25
% Contaminated samples	11%	25%	19%	5%	50%	0%
% Above risk threshold	8%	12%	14%	3%	32%	0%
Average of positives (ppb)	26	112	369	60	975	
Median of positives (ppb)	5	47	319	54	740	
Maximum (ppb)	212	623	983	109	6959	0



Summary for Corn kernels in Argentina from Jan 2023 to Dec 2023



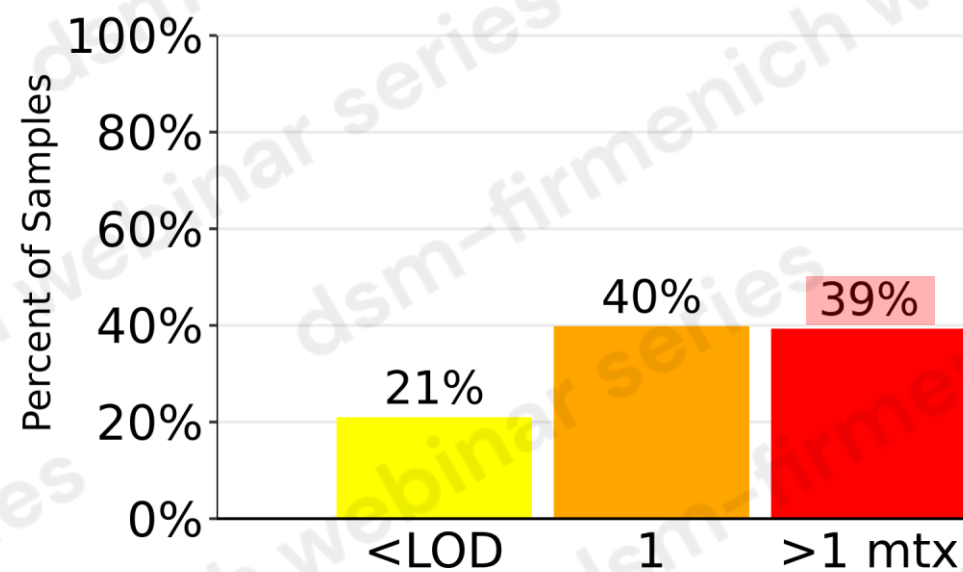
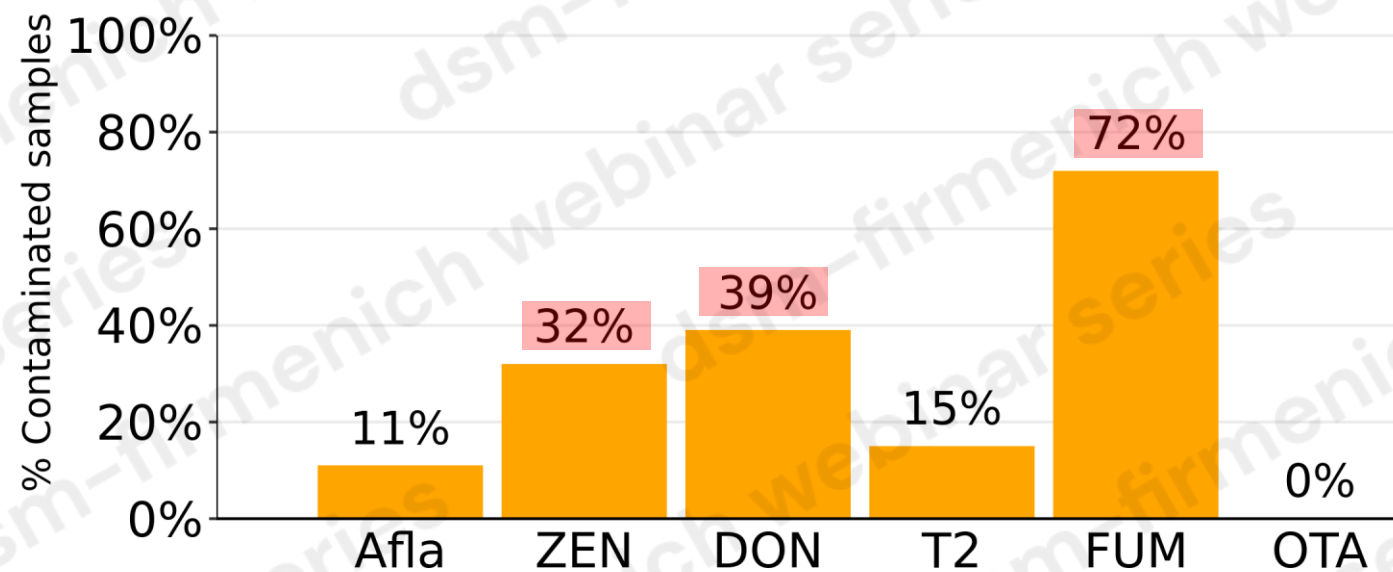
Parameter	Afla	ZEN	DON	T2	FUM	OTA
Number of samples	1630	1565	545	1024	1072	785
% Contaminated samples	28%	30%	28%	18%	67%	0%
% Above risk threshold	15%	9%	27%	6%	54%	0%
Average of positives (ppb)	5	56	974	44	2463	3
Median of positives (ppb)	2	35	655	36	1420	3
Maximum (ppb)	816	1000	5200	254	24730	3



Summary for Corn kernels in Argentina from Jan 2024 to Jun 2024



Parameter	Afla	ZEN	DON	T2	FUM	OTA
Number of samples	535	535	177	535	455	535
% Contaminated samples	11%	32%	39%	15%	72%	0%
% Above risk threshold	3%	10%	30%	5%	62%	0%
Average of positives (ppb)	2	74	639	43	2211	
Median of positives (ppb)	1	36	330	41	1505	
Maximum (ppb)	8	812	4190	90	17820	0



O conjunto de dados mais antigo e abrangente sobre a ocorrência de micotoxinas:

Pesquisa Mundial sobre Micotoxinas da dsm-firmenich



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