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MYCOTOXIN REPORT: OCTOBER 1, 2025 – APRIL 30, 2026

Mycotoxin Summary Results

The DON and Zearalenone Challenges Continue

The mycotoxin assay summaries presented in Table 1 and 2 and Figures 1 and 2 for the 517 corn silage and 558 TMR samples collected between October 1, 2025 and April 30, 2026 indicate a high number of samples contaminated by two to four mycotoxins. The frequency of multiple mycotoxin-contaminated samples and the compounding effects supports the regular sampling of feed ingredients and diets, as well as the adaption of time-proven and research-verified mycotoxin mitigation protection.

Corn silage samples continue exhibiting the familiar pattern of high-risk DON contamination and medium-risk zearalenone (ZEA) levels observed in recent years. However, elevated fumonisin (FUM) levels are being detected. Samples from Maryland, North Carolina, Pennsylvania, and Virginia exhibited high-risk levels of FUM, while an additional five Midwestern states reported medium-risk FUM contamination.

The TMR contamination levels of DON were in the high-risk category for eight states and 11 states were at a high- or medium-risk level of ZEA. As expected from the corn silage FUM results, 14 states assayed low- and medium-risk levels of FUM in the TMR. More importantly than evaluating individual mycotoxin levels is to note that 11 states submitted TMR samples testing at medium- or high-risk levels for two or three mycotoxins, and Pennsylvania and Virginia assayed medium- or high-risk contamination levels for four mycotoxins.

The presence of multiple mycotoxins exacerbates the digestive, immune, and reproductive insults of the individual mycotoxins and necessitates a proven mycotoxin mitigation program. For example, DON disrupts digestive function, ZEA reduces reproductive success by imitating estrogen, FUM accelerates leaky gut and reduces liver function, and finally T-2 earns the “assassin” nickname by killing high-turnover gut and immune cells.

The production response observed in high-producing dairy cows supplemented with DTX™ in Roth et al. (2024^{a,b}) occurred when diets tested at high-risk DON levels and medium-risk ZEA levels. Dairy nutritionists and producers are observing very good milk production and reproductive success outcomes when feeding DTX consuming diets with multiple mycotoxins at medium- and high-risk levels. Contact your Agrarian Solutions representative for advice on developing a mycotoxin testing program and utilizing DTX in your clients’ herds.



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**Mycotoxin
Report**

^aRoth, L.D., et al. 2024. J. Dairy Sci. 107(Suppl 1):426. (Abstr.)

^bRoth, L.D., et al. 2024. J. Dairy Sci. 107(Suppl 1):426. (Abstr.)

Table 1

State	Total DON, ppm	Zearalenone, ppb	Total T2, HT2, ppb	Total Fumonisin, ppm
FL	0.20	ND	ND	ND
IL	1.12	105	ND	1.30
IN	1.18	105	12	0.30
IA	1.02	162	14	0.50
KY	0.54	23	ND	0.64
MD	0.56	322	ND	0.70
MI	1.13	54	36	0.25
MN	0.82	163	55	0.34
NY	1.15	140	33	0.17
NC	0.62	53	ND	1.20
OH	0.90	68	39	0.20
PA	1.19	161	102	0.69
SD	0.36	110	ND	ND
TX	0.29	ND	ND	0.40
VT	1.20	126	11	ND
VA	0.72	151	107	1.66
WI	1.10	180	31	0.34

= nd - none detected
 = low risk
 = medium risk
 = high risk

ppm = parts per million
 ppb = parts per billion

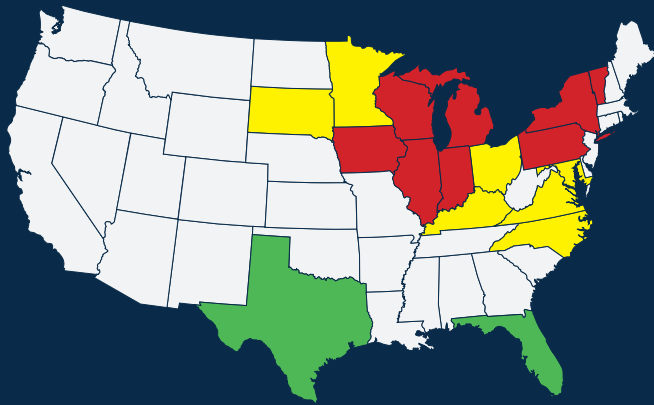
START DATE: OCTOBER 1 2025 | END DATE: APRIL 30, 2026

NO. OF SAMPLES 558

1 DON = DON + 3-Acetyl-DON + 15-Acetyl-DON; FUM = fumonisin B1 + fumonisin B2; T-2 = T-2 toxin + HT-2 Toxin

Figure 1

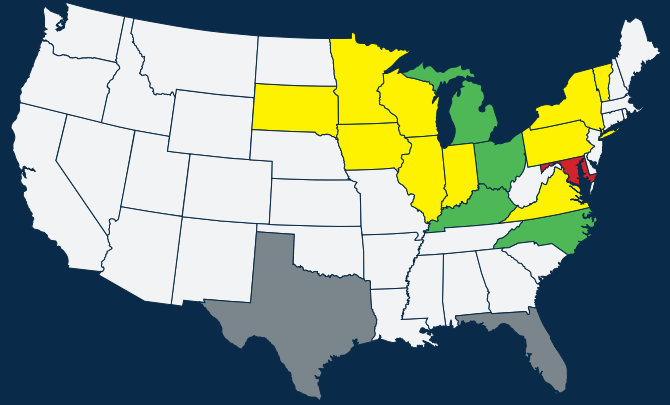
DON



ppm (parts per million)

nd <.30 .30-1.00 >1.00

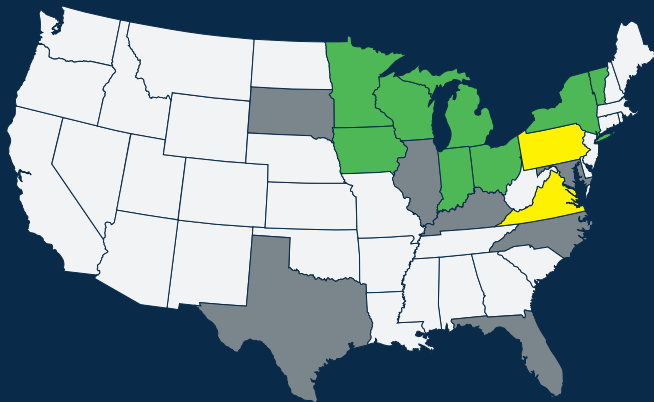
Zearalenone



ppb (parts per billion)

nd <100 100-300 301+

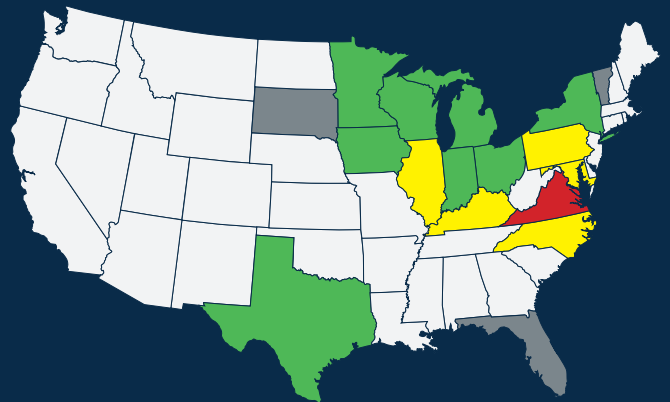
T-2 Toxin



ppb (parts per billion)

nd <75 75-150 151+

Fumonisin



ppm (parts per million)

nd <.60 .60-1.50 >1.50

Table 2

State	Total DON, ppm	Zearalenone, ppb	Total T2, HT2, ppb	Total Fumonisin, ppm
IL	ND	ND	ND	0.10
IN	2.21	89	48	0.47
IA	1.60	215	23	0.93
KS	1.32	101	10	0.95
KY	0.32	ND	ND	1.45
MD	2.04	392	50	1.52
MI	1.09	61	58	0.17
MN	1.55	212	44	0.47
NY	2.12	169	60	0.20
NC	1.78	477	ND	1.54
OH	1.29	68	37	0.78
PA	1.60	231	43	1.60
VA	2.08	338	25	2.25
WA	0.49	ND	110	ND
WI	1.88	312	51	0.67

= nd - none detected
 = low risk
 = medium risk
 = high risk

ppm = parts per million
 ppb = parts per billion

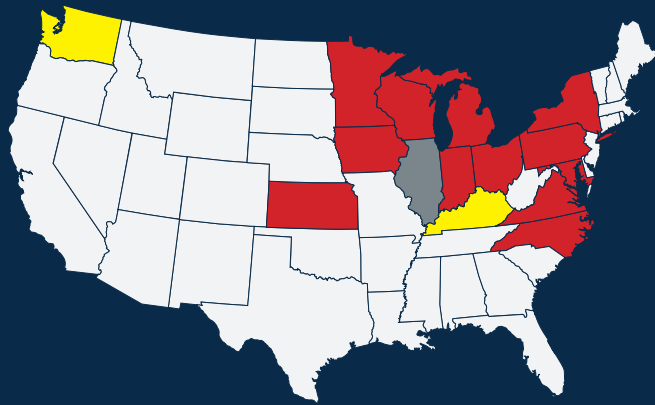
START DATE: OCTOBER 1 2025 | END DATE: APRIL 30, 2026

NO. OF SAMPLES **517**

1 DON = DON + 3-Acetyl-DON + 15-Acetyl-DON; FUM = fumonisin B1 + fumonisin B2; T-2 = T-2 toxin + HT-2 Toxin

Figure 2

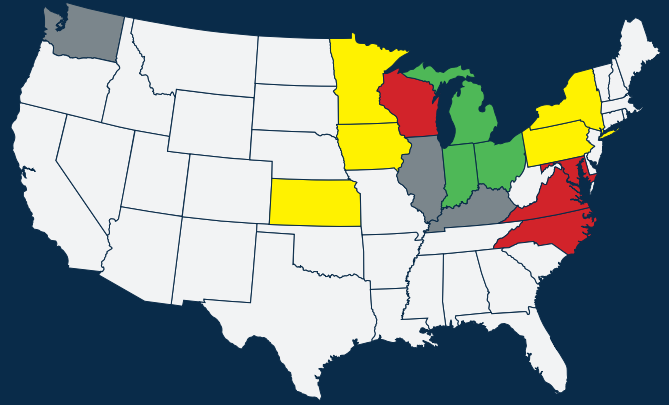
DON



ppm (parts per million)

nd <.30 .30-1.00 >1.00

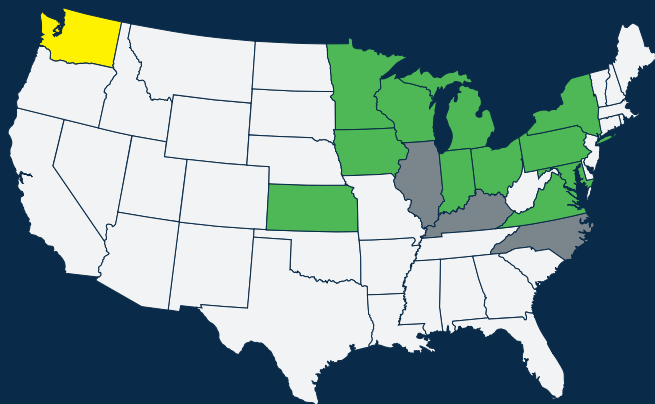
Zearalenone



ppb (parts per billion)

nd <100 100-300 301+

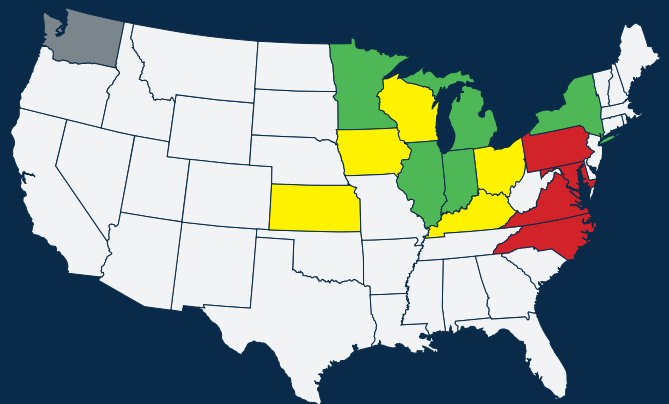
T-2 Toxin



ppb (parts per billion)

nd <75 75-150 151+

Fumonisin



ppm (parts per million)

nd <.60 .60-1.50 >1.50