

Lab # 000-111
Feedstuff A

Sampled 3/26/2020

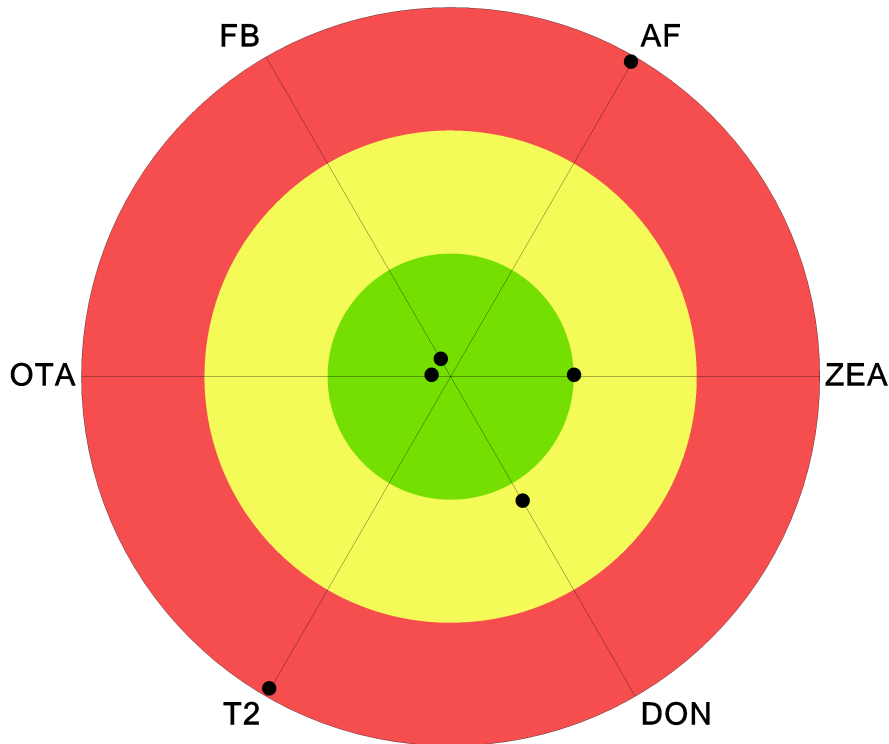
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Dry Matter 89.7
Moisture 10.3

Mycotoxin (Total)	Below Concern (Green)	Concern* (Yellow to Red)	Dairy Concern Levels, TMR**
Aflatoxin (AF)		194 ppb	20 ppb
Fumonisin (FB)	0.030 ppm		2 ppm
Ochratoxin (OTA)	0.020 ppm		5 ppm
T-2 Toxin (T2)		355 ppb	100 ppb
Deoxynivalenol (DON)		2.46 ppm	1 ppm
Zearalenone (ZEA)		411 ppb	400 ppb

Mycotoxin (Individual)	Result
Aflatoxin B1	150 ppb
Aflatoxin B2	29.2 ppb
Aflatoxin G1	13.0 ppb
Aflatoxin G2	2.56 ppb
Fumonisin B1	0.010 ppm
Fumonisin B2	0.015 ppm
Fumonisin B3	0.005 ppm

*The transition from yellow (middle) ring to red (outer) ring indicates increasing potential severity, mapped from concern level to Rock River Laboratory upper levels (database 99th percentile)



****Note:** The table lists maximum concentrations for the total diet. These values were summarized from the literature cited below and conservatively chosen to represent the lowest values recommended without causing animals harm. Measured toxin is likely not the only type of toxin present in a sample; multiple toxins (including those not measured or masked toxins) may interact to further impact health and performance.

References

- Whitlow, L.W. and W.M. Hagler, Jr. 2006. Mold and Mycotoxin Issues in Dairy Cattle: Effects, Prevention and Treatment. CA Chapter ARPAS Cont. Ed. Conf. 2006.
- Whitlow, L.W., 2020. Personal communication.
- Adams, R.S. K.B. Kephart, V.A. Ishler, L.J. Hutchinson, and G.W. Roth. Mold and Mycotoxin problems in livestock feeding. Penn State College of Agr. Sciences Coop. Extension article.
- The Mycotoxin Blue Book. 2005. Nottingham University Press, Nottingham, United Kingdom. Duarte Diaz, Editor.