

# Small grains



**DAIRYLAND**  
Laboratories, Inc.

<u>Mycotoxin</u>	<b>Median</b>	<b>% Not detected</b>	<b>% Safe</b>	<b>% Concern</b>	<b>% Potentially harmful</b>	<b>n</b>
<u>Aflatoxin</u> , ppb	0.00	98.90	0.78	0.31	0.00	638
<u>Vomitoxin</u> , ppm	0.00	56.84	13.50	28.52	1.14	526
<u>Zearalenone</u> , ppb	0.00	66.15	29.23	4.62	0.00	195
<u>Total T2/HT2</u> , ppb	0.00	85.42	9.09	5.02	0.47	638
<u>Fumonisin</u> , ppm	0.00	98.75	1.10	0.16	0.00	638
<u>Ochratoxin-A</u> , ppb	0.00	93.47	6.53	0.00	--	199
<u>Roquefortine C</u> , ppb	0.00	98.64	1.36	0.00	--	147

The distributions of mycotoxins presented are based on incoming samples tested at Dairyland Laboratories and may not be representative of the total population.

Detection limits: Aflatoxin (1 ppb), Vomitoxin (0.1 ppm), Zearalenone (10 ppb), Total T2/HT2 (5 ppb), Fumonisin (0.1 ppm), Ochratoxin (1.1 ppb), Roquefortine C (1 ppb)

Generally recognized as safe: Aflatoxin (0-20 ppb), Vomitoxin (0-0.3 ppm), Zearalenone (0-250 ppb), Total T2/HT2 (0-100 ppb), Fumonisin (0-1 ppm), Ochratoxin (0-250 ppb), Roquefortine C (0-1000 ppb)

Concern levels: Generally recognized as safe: Aflatoxin (20-130 ppb), Vomitoxin (0.3-2.5 ppm), Zearalenone (250-3900 ppb), Total T2/HT2 (100-700 ppb), Fumonisin (1-6.7 ppm), Ochratoxin (250-5000 ppb), Roquefortine C (> 1000 ppb)

Potentially harmful levels: Generally recognized as safe: Aflatoxin (>130 ppb), Vomitoxin (>2.5 ppm), Zearalenone (>3900 ppb), Total T2/HT2 (>700 ppb), Fumonisin (>6.7 ppm), Ochratoxin (>5000 ppb)

The safe, concern, and potentially harmful levels are based on recommendations for the amounts of mycotoxins in the **total ration dry matter** for cattle.

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