

Small grain silages



DAIRYLAND
Laboratories, Inc.

<u>Mycotoxin</u>	Median	% Not detected	% Safe	% Concern	% Potentially harmful	n
<u>Aflatoxin</u> , ppb	0.00	99.21	0.39	0.39	0.00	508
<u>Vomitoxin</u> , ppm	0.00	77.91	6.75	14.72	0.61	163
<u>Zearalenone</u> , ppb	0.00	62.65	25.90	10.24	1.20	166
<u>Total T2/HT2</u> , ppb	0.00	95.08	4.33	0.39	0.20	508
<u>Fumonisin</u> , ppm	0.00	98.82	0.98	0.20	0.00	508
<u>Ochratoxin-A</u> , ppb	0.00	98.59	1.41	0.00	--	142
<u>Roquefortine C</u> , ppb	0.00	95.65	4.35	0.00	--	92

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.

