

Ensiled grass-legume mixtures



DAIRYLAND
Laboratories, Inc.

<u>Mycotoxin</u>	<u>Median</u>	<u>% Not detected</u>	<u>% Safe</u>	<u>% Concern</u>	<u>% Potentially harmful</u>	<u>n</u>
<u>Aflatoxin</u> , ppb	0.00	99.25	0.56	0.19	0.00	536
<u>Vomitoxin</u> , ppm	0.00	91.09	2.97	5.94	0.00	101
<u>Zearalenone</u> , ppb	0.00	58.76	35.05	6.19	0.00	97
<u>Total T2/HT2</u> , ppb	0.00	98.51	1.31	0.19	0.00	536
<u>Fumonisin</u> , ppm	0.00	99.81	0.19	0.00	0.00	536
<u>Ochratoxin-A</u> , ppb	0.00	94.12	5.88	0.00	--	85
<u>Roquefortine C</u> , ppb	0.00	92.86	5.36	0.00	--	56

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.

