

Dairyland Laboratories, Inc.

Arcadia, WI – Stratford, WI – St Cloud, MN

www.dairylandlabs.com – 608-323-2123

Summaries – Corn

October 1st – November 27^h, 2009

Forage: Shell Corn		
Dairyland Labs Oct-Nov 27		
Total # of Samples tested:	1037	
Molds	Number of Samples	% of Total Samples
Penicillium	119	11.48%
Aspergillus	84	8.10%
Mucor	149	14.37%
Rhizopus	75	7.23%
Fusarium	344	33.17%
Cladosporium	208	20.06%
Other	58	5.59%

Forage: Shell Corn		
Dairyland Labs Oct-Nov 27		
Total # of Samples tested:	1003	
Yeast	Number of Samples	% of Total Samples
10 - 10,000	232	23.13%
10,000 - 100,000	266	26.52%
100,000 - 10,000,000	382	38.09%
> 10,000,000	123	12.26%

Forage: Shell Corn		
Dairyland Labs Oct-Nov 27		
Total # of Samples tested:	1003	
Mold	Number of Samples	% of Total Samples
10 - 10,000	431	42.97%
10,000 - 100,000	336	33.50%
100,000 - 10,000,000	224	22.33%
> 10,000,000	12	1.20%

Summaries – Corn Silage
 October 1st – November 27th, 2009

Forage: Corn Silage		
Dairyland Labs Oct-Nov 27		
Total # of Samples tested:	389	
Molds	Number of Samples	% of Total Samples
Penicillium	53	13.62%
Aspergillus	44	11.31%
Mucor	110	28.28%
Rhizopus	25	6.43%
Fusarium	88	22.62%
Cladosporium	56	14.40%
Other	13	3.34%

Forage: Corn Silage		
Dairyland Labs Oct-Nov 27		
Total # of Samples tested:	542	
Yeast	Number of Samples	% of Total Samples
10 - 10,000	84	15.50%
10,000 - 100,000	74	13.65%
100,000 - 10,000,000	179	33.03%
> 10,000,000	205	37.82%

Forage: Corn Silage		
Dairyland Labs Oct-Nov 27		
Total # of Samples tested:	542	
Mold	Number of Samples	% of Total Samples
10 - 10,000	320	59.04%
10,000 - 100,000	90	16.61%
100,000 - 10,000,000	119	21.96%
> 10,000,000	13	2.40%

Summaries – Shell Corn Mycotoxins

October 1st – November 27th, 2009

Forage: Shell Corn

Dairyland Labs Oct-Nov 27

<u>Vomitoxin</u>	
Total # of Samples tested:	397
# Positive:	298
0.1 -1 ppm:	173
1-6 ppm:	106
6-20 ppm:	16
Greater than 20 ppm:	3

<u>Zearalenone</u>	
Total # of Samples tested:	366
# Positive:	169
10-250 ppb	147
250-1000 ppb	15
1000-6000 ppb	7

<u>T2</u>			
Total # of Samples tested:	173		
# Positive:	37		
27.5 ppb	1587 ppb	32.7 ppb	25.2 ppb
66.8 ppb	31.3 ppb	239.5 ppb	131.4 ppb
58.6 ppb	81 ppb	35.6 ppb	25.7 ppb
56.5 ppb	25.9 ppb	35.6 ppb	29.6 ppb
46 ppb	27.5 ppb	43.1 ppb	97.3 ppb
38.3 ppb	32.1 ppb	55.3 ppb	162.4 ppb
32.4 ppb	25.2 ppb	75 ppb	489.5 ppb
31 ppb	25.6 ppb	91.8 ppb	
26.1 ppb	28.4 ppb	140.9 ppb	
104.5 ppb	25.1 ppb	116.2 ppb	

<u>Aflatoxin</u>	
Total # of Samples tested:	269
# Positive:	23
2-5 ppb	17
5-20 ppb	6