

Dairyland Laboratories, Inc.

Arcadia, WI - Stratford, WI - St. Cloud, MN

<http://www.dairylandlabs.com>

Shell Corn Mold & Yeast Summary

August 1 - December 12, 2011

Molds		
Total # of samples tested :	279	
	<u># of samples</u>	<u>% of total samples</u>
Penicillium	34	12.19%
Aspergillus	25	8.96%
Mucor	27	9.68%
Rhizopus	3	1.08%
Fusarium	42	15.05%
Cladosporium	66	23.66%
Other	19	6.81%

YEAST (col/gm) Range		
Total # of samples tested :	282	
	<u># of samples</u>	<u>% of total samples</u>
<1000	48	17.02%
1,000-10,000	72	25.53%
10,001-100,000	59	20.92%
100,001-1,000,000	37	13.12%
1,000,001-10,000,000	40	14.18%
> 10,000,000	26	9.22%

MOLD (col/gm) Range		
Total # of samples tested:	279	
	<u># of samples</u>	<u>% of total samples</u>
<1,000	38	13.62%
1,000-10,000	77	27.60%
10,001-100,000	101	36.20%
100,001-1,000,000	39	13.98%
1,000,001-10,000,000	19	6.81%
>10,000,000	5	1.79%

Dairyland Labs Shell Corn Mycotoxin Summary
August 1 - December 12, 2011

<u>Aflatoxin</u>	
Total # of samples tested:	84
# Positive:	55
2 - 5 ppb	16
5.01 - 20 ppb	2
>20 ppb	1

<u>Vomitoxin</u>	
Total # of samples tested:	111
# Positive:	108
0.2 - 1 ppm	74
1.01 - 6 ppm	26
6.01 - 20 ppm	2
Over 20 ppm	0

<u>Zearalenone</u>	
Total # of samples tested:	88
# Positive:	76
10 - 250 ppb	28
250 - 1000 ppb	4
1000 - 6000 ppb	2
>6000 ppb	0

<u>T2 Toxin</u>	
Total # of samples tested:	48
# Positive:	36
25 - 100 ppb	10
100 - 500 ppb	1
over 500 ppb	1

Dairyland Labs Corn Silage Mold & Yeast Summary
August 1 - December 12, 2011

Molds		
Total # of samples tested : 289		
	<u># of samples</u>	<u>% of total samples</u>
Penicillium	26	9.00%
Aspergillus	8	2.77%
Mucor	25	8.65%
Rhizopus	1	0.35%
Fusarium	30	10.38%
Cladosporium	42	14.53%
Other	12	4.15%

YEAST (col/gm) Range		
Total # of samples tested : 289		
	<u># of samples</u>	<u>% of total samples</u>
<1000	25	8.65%
1,000-10,000	54	18.69%
10,001-100,000	40	13.84%
100,001-1,000,000	31	10.73%
1,000,001-10,000,000	56	19.38%
>10,000,000	83	28.72%

MOLD (col/gm) Range		
Total # of samples tested : 289		
	<u># of samples</u>	<u>% of total samples</u>
<1,000	77	26.64%
1,000-10,000	95	32.87%
10,001-100,000	63	21.80%
100,001-1,000,000	34	11.76%
1,000,001-10,000,000	16	5.54%
> 10,000,000	4	1.38%

Dairyland Labs Corn Silage Mycotoxin Summary
August 1 - December 12, 2011

<u>Aflatoxin</u>	
Total # of samples tested:	84
# Positive:	6
2 - 5 ppb	4
5.01 - 20 ppb	2
>20 ppb	0

<u>Vomitoxin</u>	
Total # of samples tested:	115
# Positive:	68
0.2 - 1 ppm	41
1.01 - 6 ppm	21
6.01 - 20 ppm	3
>20 ppm	0

<u>Zearalenone</u>	
Total # of samples tested:	74
# Positive:	27
10 - 250 ppb	0
250 - 1000 ppb	22
1000 - 6000 ppb	5
>6000 ppb	0

<u>T2 Toxin</u>	
Total # of samples tested:	58
# Positive:	0
25 - 100 ppb	0
100 - 500 ppb	0
over 500 ppb	0

Dairyland Labs Distillers Mold & Yeast Summary
August 1 - December 12, 2011

Molds		
Total # of samples tested : 18		
	<u># of samples</u>	<u>% of total samples</u>
Penicillium	1	5.56%
Aspergillus	0	0.00%
Mucor	1	5.56%
Rhizopus	1	5.56%
Fusarium	5	27.78%
Cladosporium	5	27.78%
Other	0	0.00%

YEAST (col/gm) Range		
Total # of samples tested : 18		
	<u># of samples</u>	<u>% of total samples</u>
<1,000	6	33.33%
1,001-10,000	1	5.56%
10,001-100,000	4	22.22%
100,001-1,000,000	0	0.00%
1,000,001-10,000,000	1	5.56%
> 10,000,000	6	33.33%

MOLD (col/gm) Range		
Total # of samples tested : 18		
	<u># of samples</u>	<u>% of total samples</u>
<1000	8	44.44%
1,001-10,000	6	33.33%
10,001-100,000	2	11.11%
100,001-1,000,000	2	11.11%
1,000,001-10,000,000	0	0.00%
> 10,000,000	0	0.00%

Dairyland Labs Distillers Mycotoxin Summary
August 1 - December 12, 2011

<u>Aflatoxin</u>	
Total # of samples tested:	60
# Positive:	51
2 - 5 ppb	19
5 - 20 ppb	1
>20 ppb	0

<u>Vomitoxin</u>	
Total # of samples tested:	58
# Positive:	56
0.2 - 1 ppm	36
1 - 6 ppm	20
6 - 20 ppm	0
Over 20 ppm	0

<u>Zearalenone</u>	
Total # of samples tested:	29
# Positive:	26
10 - 250 ppb	26
250 - 1000 ppb	0
1000 - 6000 ppb	0
>6000 ppb	0

<u>T2 Toxin</u>	
Total # of samples tested:	20
# Positive:	18
25 - 100 ppb	12
100 - 500 ppb	5
500 ppb	0