

To: ITC Services, Inc.
4172 N Frontage Road E
Moses Lake, WA 98837

Account No.: 16076 (0)
Sampled By: ITC Services, Inc.
Sampled For: ITC SERVICES
Product: SOUTH SIDE MID PILE
Description2: FRIDAY SPRAYED SIDE
Description3: 10-31

Test Package:
Complete NASEM|Mold and Yeast Count & ID
Feed Type: Whole plant corn
Sub Type: Corn silage

Moisture	56.15%		
Dry Matter	43.85%		
pH	4.36		
		<u>Dry Basis</u>	<u>90% Range*</u>
CP	%DM	7.92	5.80 - 9.00
ADICP	% CP	7.07	6.57 - 15.46
NDICPss	% CP	15.78	
SCP	% CP	63.38	25.02 - 72.00
Ammonia	% CP	8.96	0.00 - 11.76
Total amino acid	%DM	5.91	5.45 - 7.53
Total amino acid	% CP	74.62	71.89 - 89.55
Lysine	% CP	2.65	2.00 - 3.73
Methionine	% CP	1.39	1.18 - 1.88
Isoleucine	% CP	3.16	2.76 - 3.31
Leucine	% CP	7.83	7.91 - 10.37
Histidine	% CP	1.64	1.37 - 2.46
ADF	%DM	28.65	19.93 - 30.46
aNDF	%DM	43.79	31.64 - 49.20
aNDFom	%DM	42.41	30.67 - 48.10
Lignin	% NDFom	7.59	
Lignin	%DM	3.22	2.43 - 4.43
NDFDom12	% NDFom	24.88	26.60 - 41.53
NDFDom24	% NDFom	49.00	42.83 - 62.27
NDFDom30	% NDFom	52.37	47.40 - 67.59
NDFDom48	% NDFom	56.94	53.27 - 69.65
NDFDom240	% NDFom	69.46	65.58 - 80.59
uNDFom12	%DM	31.86	19.19 - 31.84
uNDFom24	%DM	21.63	13.21 - 23.34
uNDFom30	%DM	20.20	11.38 - 20.95
uNDFom48	%DM	18.26	10.32 - 18.47
uNDFom240	%DM	12.95	6.89 - 12.78
Sugar (ESC)	%DM	1.64	0.54 - 5.66
Sugar (WSC)	%DM	1.86	0.99 - 6.63
Starch	%DM	26.69	19.15 - 41.93
IVSD7-o	% Starch	83.43	51.07 - 78.15
Fat (EE)	%DM	2.72	2.23 - 3.86
Total fatty acids	%DM	1.63	1.49 - 2.61
16:0 Palmitic	% TFA	17.79	
18:0 Stearic	% TFA	2.45	
18:1 Oleic	% TFA	24.54	
18:2 Linoleic	% TFA	49.08	

18:3 Linolenic	% TFA	4.29	
Ash	%DM	6.09	2.81 - 6.19
Ca	%DM	0.30	0.16 - 0.31
P	%DM	0.23	0.19 - 0.28
Mg	%DM	0.20	0.13 - 0.23
K	%DM	1.72	0.77 - 1.35
S	%DM	0.12	0.08 - 0.13
Cl	%DM	0.25	0.17 - 0.44
Lactic	%DM	1.96	0.00 - 7.83
Acetic	%DM	2.49	0.00 - 5.01
Propionic	%DM	0.37	0.00 - 1.33

Corn silage statistics provided for comparison.

Calculations

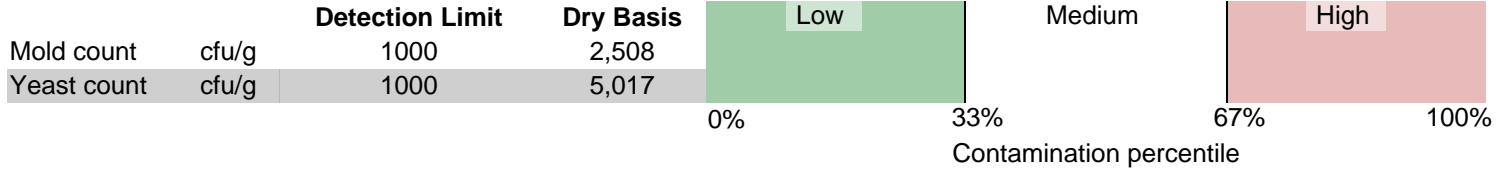
NFC	%DM	42.20	
NDF kd rate MIR_P1	%/hr	4.98	
Starch kd rate MIR_P1T1	%/hr	29.96	
Adjusted Crude Protein	%DM	7.92	
	ADF	OARDC	MLK06 Proc
TDN 1x	67.79	68.44	66.86
Nel 3x	Mcal/cwt	70.11	70.61
Neg	Mcal/cwt		43.32
Nem	Mcal/cwt		70.43
Milk per ton	lbs/ton		2,943
	MLK06 NonProc	MLK24	
TDN 1x		63.50	
Nel 3x	Mcal/cwt	60.58	67.66
Neg	Mcal/cwt	45.13	
Nem	Mcal/cwt	72.45	
Milk per ton	lbs/ton	2,671	2,771



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Mold & Mycotoxins



*Percentiles represent how your sample compares to all other contaminated samples tested at Dairyland Laboratories Inc. These do not indicate whether the toxin levels in this feed are safe.

Mold IDs

	<u>Present</u>	<u>Color</u>	<u>Common Toxins Produced</u>	<u>Typical Growth Conditions</u>
Mucor	No	Grey/White	None	Grows at low temperatures, typically in storage
Rhizopus	No	Black/White	None	High moisture and advanced decay
Penicillium	No	Blue/Green/White	Ochratoxin A, Patulin, Citrinin	Grows under many conditions, both in the field and in storage
Cladosporium	No	White	None	Grows at low temperatures. Commonly invades corn after premature frost
Aspergillus	No	Green/Yellow	Aflatoxin, Citrinin	Drought, heat-stressed, or insect damaged crops. Prefers high temperatures. Can grow both in the field and in storage
Fusarium	Yes	White/Pink	DON, T2HT2, Fusaric Acid, Fumonisin	Prefers cool, wet field conditions. Produces toxins under stress, both in field and during storage
Other	No			