



Dairyland Laboratories
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Sample Date: 2024-04-23
Sample No.: 001-2404-1432052

To: Alcivia Coop-Chris Curran
 N6590 S Lincoln Rd
 Taylor, WI 54659

Account No.: 245 (42)
Sampled By: Alcivia Coop-Chris C
Sampled For: ZACH JANKE

Product: Corn Silage

Test Mode: N3
Feed Type: Whole plant corn
Sub Type: Conventional

Moisture	49.39%		
Dry Matter	50.61%		
pH	4.08		
		Dry Basis	90% Range*
Crude Protein	%DM	7.92	5.80 - 9.00
AD-ICP	%DM	0.30	0.48 - 1.08
ND-ICP w/SS	%DM	0.61	0.73 - 2.42
Protein Sol.	%CP	59.97	25.0 - 72.0
Ammonia-CP	%CP	9.97	0.00 - 11.8
Ammonia-CP	%DM	0.79	0.00 - 0.92
Total Amino Acids	%DM	6.17	5.45 - 7.53
Total Amino Acids	%CP	77.90	71.9 - 89.6
Lysine	%CP	1.77	2.00 - 3.73
Methionine	%CP	1.77	1.18 - 1.88
Isoleucine	%CP	3.28	2.76 - 3.31
Leucine	%CP	8.71	7.91 - 10.4
Histidine	%CP	1.52	1.37 - 2.46
ADF	%DM	19.63	19.9 - 30.5
aNDF	%DM	33.63	33.4 - 49.2
aNDFom	%DM	32.84	32.2 - 48.1
Lignin (Sulfuric Acid)	%DM	2.72	2.43 - 4.43
Lignin	%NDFom	8.28	
Lignin input (uNDF/2.4)	%DM	4.15	
NDFD12	%NDFom	27.07	28.5 - 37.5
NDFD 30	%NDFom	49.76	47.4 - 62.8
NDFD 120	%NDFom	67.20	62.7 - 74.9
NDFD240	%NDFom	69.70	65.6 - 78.2
uNDFom12	%DM	23.95	20.9 - 30.4
uNDFom30	%DM	16.50	13.2 - 21.0
uNDFom120	%DM	10.77	9.59 - 13.9
uNDFom240	%DM	9.95	7.85 - 17.8
Starch	%DM	40.22	19.2 - 41.9
IVSD7-o	%Starch	77.63	51.1 - 78.2
Fat (EE)	%DM	2.86	2.23 - 3.86
TFA (fat)	%DM	2.33	1.49 - 2.61
16:0 Palmitic	%TFA	15.02	
18:0 Stearic	%TFA	2.15	

18:1 Oleic	%TFA	23.61	
18:2 Linoleic	%TFA	52.79	
18:3 Linolenic	%TFA	4.29	
Ash	%DM	3.21	2.81 - 6.19
Calcium	%DM	0.20	0.16 - 0.31
Phosphorus	%DM	0.24	0.19 - 0.28
Magnesium	%DM	0.14	0.13 - 0.23
Potassium	%DM	0.93	0.77 - 1.35
Sulfur	%DM	0.11	0.08 - 0.13
Chloride	%DM	0.28	0.17 - 0.44
Sugar (ESC)	%DM	0.80	0.54 - 5.66
Sugar (WSC)	%DM	4.11	0.99 - 6.63
Lactic Acid	%DM	2.87	0.00 - 7.83
Acetic Acid	%DM	2.49	0.00 - 5.01
Propionic Acid	%DM	0.26	0.00 - 1.33
Silage Acids	%DM	5.62	
Lactic:Acetic ratio		1:1	

*Corn silage statistics provided for comparison.

Calculations

Starch kd rate MIR_P1T1	%/hr	24.96
Adjusted Crude Protein	%DM	7.92
NFC	%DM	53.31
NSC	%DM	44.33
NDF kd rate MIR_P1	%/hr	4.41

ADF OARDC MLK 2006 NonProc

TDN	74.10	75.77	67.18
Nel 3x	Mcal/cwt	73.06	78.93
Neg	Mcal/cwt	48.35	52.27
Nem	Mcal/cwt	76.09	80.55
Milk per ton	lbs/ton		3000
Beef per ton	lbs/ton		

MLK 2006 Processed ISU Beef

TDN	71.20	67.95
Nel 3x	Mcal/cwt	71.16
Neg	Mcal/cwt	53.77
Nem	Mcal/cwt	82.27
Milk per ton	lbs/ton	3326
Beef per ton	lbs/ton	270