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Sample Date: 2025-01-14
Sample No.: 008-2501-1792421

Account No.: 17106 (1)
Sampled By: Integral Feed Soluti
Sampled For:
Product: Corn Silage

Test Mode: N9
Feed Type: Whole plant corn
Sub Type: Conventional

Moisture 60.86%
Dry Matter 39.14%
pH 4.02

		<u>Dry</u> <u>Basals</u>	<u>90% Range*</u>
Crude Protein	%DM	6.88	5.80 - 9.00
AD-ICP	%CP	3.35	6.57 - 15.5
ND-ICP w/SS	%CP	9.59	
Protein Sol.	%CP	69.62	25.0 - 72.0
Ammonia-CP	%CP	7.12	0.00 - 11.8
Total Amino Acids	%DM	5.67	5.45 - 7.53
Total Amino Acids	%CP	82.41	71.9 - 89.6
Lysine	%CP	2.33	2.00 - 3.73
Methionine	%CP	1.74	1.18 - 1.88
Isoleucine	%CP	3.34	2.76 - 3.31
Leucine	%CP	9.59	7.91 - 10.4
Histidine	%CP	1.89	1.37 - 2.46
ADF	%DM	19.74	19.9 - 30.5
aNDF	%DM	32.48	31.6 - 49.2
aNDFom	%DM	31.67	30.7 - 48.1
Lignin	%NDFom	6.54	
Lignin (Sulfuric Acid)	%DM	2.07	2.43 - 4.43
NDFD12	%NDFom	35.24	26.6 - 41.5
NDFD 24	%NDFom	46.98	42.8 - 62.3
NDFD 30	%NDFom	52.70	47.4 - 67.6
NDFD 48	%NDFom	57.47	53.3 - 69.7
NDFD240	%NDFom	73.57	65.6 - 80.6
uNDFom12	%DM	20.51	19.2 - 31.8
uNDFom24	%DM	16.79	13.2 - 23.3
uNDFom30	%DM	14.98	11.4 - 21.0
uNDFom48	%DM	13.47	10.3 - 18.5
uNDFom240	%DM	8.37	6.89 - 12.8
Sugar (ESC)	%DM	2.24	0.54 - 5.66
Sugar (WSC)	%DM	4.25	0.99 - 6.63
Starch	%DM	40.82	19.2 - 41.9
IVSD7-o	%Starch	78.10	51.1 - 78.2
Fat (EE)	%DM	3.55	2.23 - 3.86
TFA (fat)	%DM	2.60	1.49 - 2.61

16:0 Palmitic	%TFA	15.77	
18:0 Stearic	%TFA	1.92	
18:1 Oleic	%TFA	24.62	
18:2 Linoleic	%TFA	51.54	
18:3 Linolenic	%TFA	4.23	
Ash	%DM	3.82	2.81 - 6.19
Calcium	%DM	0.19	0.16 - 0.31
Phosphorus	%DM	0.23	0.19 - 0.28
Magnesium	%DM	0.16	0.13 - 0.23
Potassium	%DM	0.76	0.77 - 1.35
Sulfur	%DM	0.10	0.08 - 0.13
Chloride	%DM	0.21	0.17 - 0.44
Lactic Acid	%DM	2.28	0.00 - 7.83
Acetic Acid	%DM	2.36	0.00 - 5.01
Propionic Acid	%DM	0.36	0.00 - 1.33

*Corn silage statistics provided for comparison.

Calculations

NFC	%DM	54.69
NSC	%DM	45.07
NDF kd rate MIR_P1	%/hr	4.30
Starch kd rate MIR_P1T1	%/hr	25.31
Adjusted Crude Protein	%DM	6.88

		<u>ADF</u>	<u>OARDC</u>	<u>MLK 2006 NonProc</u>
TDN		74.02	77.01	71.54
Nel 3x	MJ/kg	7.11	7.41	6.57
Neg	MJ/kg	4.47	4.93	4.99
Nem	MJ/kg	7.04	7.55	7.62
Milk per ton	kg/tonne			1669
Beef per ton	kg/tonne			

		<u>MLK 2006</u> <u>Processed</u>	<u>ISU</u> <u>Beef</u>	<u>MLK</u> <u>2024</u>
TDN		75.02	69.74	
Nel 3x	MJ/kg	6.97		7.24
Neg	MJ/kg	4.99	4.46	
Nem	MJ/kg	7.62	6.99	
Milk per ton	kg/tonne	1811		1,606
Beef per ton	kg/tonne		142	