



Integral Feed Solutions-NIR
253 Koondrook Murrabit Road
Australia
Telephone: +61 447 483 455

Report Date: 04/28/2026
Sample No.: 5LFN2

Account No.:
Sampled By: Integral Feed Solutions-NIR
Sampled For:
Description1: Corn Silage

Test Package:
CSPS (only starch by NIR)|Complete NASEM
Feed Type: Whole plant corn
Sub Type: Corn silage

Moisture	68.29%		
Dry Matter	31.71%		
pH	3.86		
		Dry Basis	90% Range*
CP	%DM	8.59	5.80 - 9.00
ADICP	% CP	5.36	6.57 - 15.46
NDICPss	% CP	11.18	
SCP	% CP	65.89	25.02 - 72.00
Ammonia	% CP	4.66	0.00 - 11.76
Total amino acid	%DM	6.30	5.45 - 7.53
Total amino acid	% CP	73.34	71.89 - 89.55
Lysine	% CP	2.33	2.00 - 3.73
Methionine	% CP	1.51	1.18 - 1.88
Isoleucine	% CP	3.14	2.76 - 3.31
Leucine	% CP	8.96	7.91 - 10.37
Valine	% CP	4.07	3.62 - 5.36
Histidine	% CP	1.63	1.37 - 2.46
ADF	%DM	21.53	19.93 - 30.46
aNDF	%DM	34.99	31.64 - 49.20
aNDFom	%DM	34.06	30.67 - 48.10
Lignin	% NDFom	5.96	
Lignin	%DM	2.03	2.43 - 4.43
NDFDom12	% NDFom	37.52	26.60 - 41.53
NDFDom24	% NDFom	55.26	42.83 - 62.27
NDFDom30	% NDFom	61.07	47.40 - 67.59
NDFDom48	% NDFom	65.00	53.27 - 69.65
NDFDom240	% NDFom	78.45	65.58 - 80.59
uNDFom12	%DM	21.28	19.19 - 31.84
uNDFom24	%DM	15.24	13.21 - 23.34
uNDFom30	%DM	13.26	11.38 - 20.95
uNDFom48	%DM	11.92	10.32 - 18.47
uNDFom240	%DM	7.34	6.89 - 12.78
Sugar (ESC)	%DM	2.47	0.54 - 5.66
Sugar (WSC)	%DM	2.67	0.99 - 6.63
Starch	%DM	34.18	19.15 - 41.93
IVSD7-o	% Starch	76.65	51.07 - 78.15
Fat (EE)	%DM	3.19	2.23 - 3.86
Total fatty acids	%DM	2.17	1.49 - 2.61
16:0 Palmitic	% TFA	17.51	
18:0 Stearic	% TFA	1.84	
18:1 Oleic	% TFA	23.04	

18:2 Linoleic	% TFA	48.39	
18:3 Linolenic	% TFA	7.37	
Ash	%DM	4.46	2.81 - 6.19
Ca	%DM	0.22	0.16 - 0.31
P	%DM	0.25	0.19 - 0.28
Mg	%DM	0.17	0.13 - 0.23
K	%DM	1.36	0.77 - 1.35
S	%DM	0.11	0.08 - 0.13
Cl	%DM	0.32	0.17 - 0.44
Lactic	%DM	4.41	0.00 - 7.83
Acetic	%DM	2.11	0.00 - 5.01
Propionic	%DM	0.38	0.00 - 1.33

Corn silage statistics provided for comparison.

Calculations

NFC	%DM	50.68	
NSC	%DM	36.85	
ME - Higgs	MJ/kgDM	11.83	
NDF kd rate MIR_P1	%/hr	5.15	
Starch kd rate MIR_P1T1	%/hr	24.24	
Equine DE	Mcal/lbDM	1.25	
Equine TDN	%DM	68.24	
Adjusted Crude Protein	%DM	8.59	

		ADF	OARDC	MLK06 Proc
TDN 1x		72.77	75.14	77.29
ME	MJ/kg		11.21	
Nel 3x	MJ/kg	6.98	7.20	7.04
Neg	MJ/kg	4.43	4.77	5.11
Nem	MJ/kg	6.99	7.37	7.76
Milk per ton	kg/tonne			1,866

		MLK06 NonProc	MLK24
TDN 1x		77.29	
ME	MJ/kg		
Nel 3x	MJ/kg	7.04	7.21
Neg	MJ/kg	5.11	
Nem	MJ/kg	7.76	
Milk per ton	kg/tonne	1,866	1,601



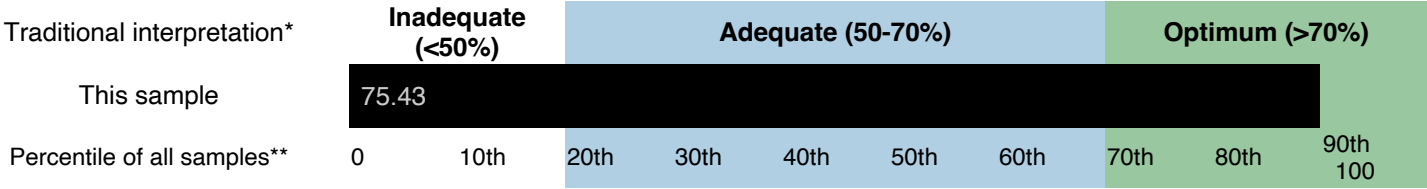
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CSPS Interpretation



*Traditional interpretation developed by Dr. Mertens - US Dairy Forage Research Center
**Percentile of all samples from Dairyland's database since 2012