



To: Groeschl Ag Service
10271 N County Rd K
Hayward, WI 54843

Account No.: 16401 (0)
Sampled By: Groeschl Ag Service
Sampled For: GROESCHL AG SERVICE

Product: 3rd cut Orchardgrass Blg

Test Mode: N9
Feed Type: Haylage - Grass
Sub Type: Mixed

Moisture		74.87%	
Dry Matter		25.13%	
pH		4.70	
		Dry Basis	90% Range*
Crude Protein	%DM	15.14	7.99 - 19.7
AD-ICP	%CP	5.36	5.28 - 23.7
ND-ICP w/SS	%CP	24.77	
Protein Sol.	%CP	35.80	20.6 - 63.8
Ammonia-CP	%CP	6.14	1.24 - 13.5
Total Amino Acids	%DM	12.16	7.20 - 15.5
Total Amino Acids	%CP	80.32	61.2 - 96.6
Lysine	%CP	4.56	2.03 - 5.95
Methionine	%CP	3.10	1.34 - 2.65
Isoleucine	%CP	3.63	2.91 - 4.40
Leucine	%CP	7.00	5.34 - 8.33
Histidine	%CP	1.65	0.61 - 2.04
ADF	%DM	28.54	26.6 - 46.1
aNDF	%DM	51.36	40.5 - 67.4
aNDFom	%DM	48.57	37.3 - 63.1
Lignin	%NDFom	1.63	
Lignin (Sulfuric Acid)	%DM	0.79	3.26 - 9.81
NDFD12	%NDFom	43.57	41.9 - 71.0
NDFD 24	%NDFom	63.83	35.2 - 60.8
NDFD 30	%NDFom	67.47	41.3 - 78.3
NDFD 48	%NDFom	73.42	43.5 - 72.2
NDFD240	%NDFom	81.80	54.5 - 89.9
uNDFom12	%DM	27.41	22.4 - 40.8
uNDFom24	%DM	17.57	16.5 - 37.4
uNDFom30	%DM	15.80	8.24 - 34.3
uNDFom48	%DM	12.91	8.42 - 34.9
uNDFom240	%DM	8.84	4.29 - 26.2
Sugar (ESC)	%DM	3.93	1.08 - 7.93
Sugar (WSC)	%DM	6.36	2.00 - 11.8
Starch	%DM	4.99	0.20 - 4.54
Fat (EE)	%DM	5.11	2.35 - 5.31
TFA (fat)	%DM	1.77	1.00 - 2.54
16:0 Palmitic	%TFA	21.47	16.8 - 27.6

18:0 Stearic	%TFA	3.39	2.35 - 5.69
18:1 Oleic	%TFA	5.08	2.71 - 9.18
18:2 Linoleic	%TFA	18.08	16.3 - 29.0
18:3 Linolenic	%TFA	50.28	29.1 - 58.6
Ash	%DM	8.93	5.71 - 12.6
Calcium	%DM	0.43	0.22 - 1.09
Phosphorus	%DM	0.41	0.24 - 0.43
Magnesium	%DM	0.29	0.15 - 0.34
Potassium	%DM	3.46	1.17 - 3.56
Sulfur	%DM	0.34	0.13 - 0.30
Chloride	%DM	1.36	0.19 - 1.44
Lactic Acid	%DM	2.15	0.38 - 8.11
Acetic Acid	%DM	1.78	0.13 - 2.90
Propionic Acid	%DM	0.47	0.07 - 0.56
Butyric Acid	%DM	<0.01	0.03 - 1.53

*Mixed grass silage statistics provided for comparison.

Calculations

NFC	%DM	28.34	
NSC	%DM	11.35	
RFV		120.94	
RFQ		186.11	
NDF kd rate MIR_P1	%/hr	6.18	
Adjusted Crude Protein	%DM	15.14	
		ADF	OARDC
TDN	%DM	66.67	69.62
Nel 3x	Mcal/cwt	68.87	72.08
Neg	Mcal/cwt	32.98	47.57
Nem	Mcal/cwt	58.95	75.20
Milk per ton	lbs/ton		3257