

To: Dynamite Hill Farm
16615 Dynamite Hill Rd
L'Anse, MI 49946

Account No.: 16152 (0)
Sampled By: Dynamite Hill Farm
Sampled For: DYNAMITE HILL FARM

Product: alf/orchardgrass 2nd crop

Test Mode: N3
Feed Type: Hay - Legume
Sub Type: Alfalfa

		<u>Dry</u>	<u>90% Range*</u>
		<u>Basis</u>	
Moisture	59.16%		
Dry Matter	40.84%		
Crude Protein	%DM	22.14	15.4 - 24.0
AD-ICP	%CP	6.69	5.24 - 11.5
ND-ICP w/SS	%CP	12.87	
Protein Sol.	%CP	53.07	27.5 - 47.1
Total Amino Acids	%DM	15.54	11.2 - 20.2
Total Amino Acids	%CP	70.19	66.4 - 89.8
Lysine	%CP	3.57	3.61 - 5.16
Methionine	%CP	1.45	1.42 - 2.11
Isoleucine	%CP	3.12	2.48 - 3.77
Leucine	%CP	5.69	4.88 - 7.39
Histidine	%CP	1.36	1.43 - 1.88
ADF	%DM	33.38	25.5 - 41.8
aNDF	%DM	39.71	31.9 - 51.8
aNDFom	%DM	38.74	29.3 - 48.5
Lignin	%NDFom	14.95	
Lignin (Sulfuric Acid)	%DM	5.79	5.84 - 9.64
NDFD12	%NDFom	45.30	28.9 - 47.1
NDFD 30	%NDFom	53.61	31.3 - 48.1
NDFD 120	%NDFom	57.49	39.9 - 58.2
NDFD240	%NDFom	58.52	41.5 - 61.9
uNDFom12	%DM	21.19	16.6 - 30.2
uNDFom30	%DM	17.97	16.5 - 29.5
uNDFom120	%DM	16.47	13.7 - 26.4
uNDFom240	%DM	16.07	13.0 - 27.8
Sugar (ESC)	%DM	6.58	2.71 - 9.16
Sugar (WSC)	%DM	7.67	3.32 - 10.2
Starch	%DM	1.99	0.28 - 3.74
Fat (EE)	%DM	3.02	1.77 - 3.35
TFA (fat)	%DM	1.48	0.81 - 2.33
16:0 Palmitic	%TFA	23.65	23.6 - 41.7
18:0 Stearic	%TFA	3.38	4.46 - 8.70
18:1 Oleic	%TFA	4.05	3.42 - 11.5
18:2 Linoleic	%TFA	16.89	12.5 - 22.7
18:3 Linolenic	%TFA	50.00	20.0 - 47.4

Ash	%DM	12.73	9.15 - 13.8
Calcium	%DM	1.49	1.19 - 1.84
Phosphorus	%DM	0.37	0.23 - 0.39
Magnesium	%DM	0.44	0.25 - 0.41
Potassium	%DM	2.47	1.83 - 3.36
Sulfur	%DM	0.28	0.17 - 0.33
Chloride	%DM	0.62	0.16 - 1.13

*Alfalfa hay statistics provided for comparison.

Calculations

NFC	%DM	26.76		
NSC	%DM	9.66		
RFV		147.25		
RFQ		163.45		
NDF kd rate MIR_P1	%/hr	8.77		
Adjusted Crude Protein	%DM	22.14		
		ADF	OARDC	MLK 2013
TDN	%DM	62.90	58.77	62.20
Nel 3x	Mcal/cwt	64.67	59.99	61.78
Neg	Mcal/cwt	36.61	36.67	41.07
Nem	Mcal/cwt	62.95	63.02	67.90
Milk per ton	lbs/ton			2828