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Sample Date: 2023-12-08
Sample No.: 008-2312-1305959
Reference: 8381

DAIRYLAND
 Laboratories, Inc.

To: MOJO Seed Enterprises, LLLP
 PO Box 1716
 3799 CR22
 Hereford, TX 79045

Account No.: 12557 (0)
Sampled By: MOJO Seed Enterprise
Sampled For: MOJO SEED ENTERPRISE

Product: 23-005

Description2 SORGHUM SILAGE
Description3 12/7/2023

Test Mode: N9
Feed Type: Small Grain Silage
Sub Type: Sorghum/sudan

Moisture	60.60%		
Dry Matter	39.40%		
pH	5.30		
		Dry Basis	90% Range*
Crude Protein	%DM	7.56	5.06 - 16.0
AD-ICP	%CP	10.98	5.48 - 18.3
ND-ICP w/SS	%CP	19.05	
Protein Sol.	%CP	10.19	21.4 - 61.0
Ammonia-CP	%CP	9.79	1.23 - 25.0
Total Amino Acids	%DM	7.07	6.01 - 16.6
Total Amino Acids	%CP	93.52	57.4 - 94.1
Lysine	%CP	8.73	1.39 - 6.30
Methionine	%CP	3.04	1.11 - 2.59
Isoleucine	%CP	4.10	2.83 - 4.61
Leucine	%CP	8.86	4.85 - 8.16
Histidine	%CP	2.12	0.19 - 2.15
ADF	%DM	27.99	30.8 - 47.4
aNDF	%DM	44.82	45.7 - 68.2
aNDFom	%DM	42.97	41.6 - 64.5
Lignin	%NDFom	8.03	
Lignin (Sulfuric Acid)	%DM	3.45	3.67 - 7.52
NDFD12	%NDFom	38.21	19.2 - 43.2
NDFD 24	%NDFom	46.96	31.2 - 62.6
NDFD 30	%NDFom	50.71	34.6 - 65.9
NDFD 48	%NDFom	56.95	53.4 - 66.2
NDFD240	%NDFom	64.95	57.2 - 82.0
uNDFom12	%DM	26.55	28.1 - 42.8
uNDFom24	%DM	22.79	19.3 - 35.8
uNDFom30	%DM	21.18	18.0 - 35.5
uNDFom48	%DM	18.50	14.9 - 22.3
uNDFom240	%DM	15.06	10.1 - 24.7
Sugar (ESC)	%DM	8.03	0.31 - 3.87
Sugar (WSC)	%DM	10.11	1.50 - 12.7
Starch	%DM	25.47	0.12 - 21.5
Fat (EE)	%DM	3.02	1.44 - 4.01
TFA (fat)	%DM	1.42	0.60 - 2.22
16:0 Palmitic	%TFA	22.54	22.0 - 39.3
18:0 Stearic	%TFA	1.41	0.78 - 8.33

18:1 Oleic	%TFA	22.54	3.65 - 21.0
18:2 Linoleic	%TFA	50.70	17.4 - 50.8
18:3 Linolenic	%TFA	0.70	0.88 - 49.6
Ash	%DM	8.32	5.63 - 17.0
Calcium	%DM	0.24	0.23 - 0.77
Phosphorus	%DM	0.21	0.17 - 0.40
Magnesium	%DM	0.19	0.14 - 0.38
Potassium	%DM	1.35	1.01 - 3.48
Sulfur	%DM	0.12	0.09 - 0.22
Chloride	%DM	0.50	0.15 - 1.48
Lactic Acid	%DM	1.04	1.05 - 7.44
Acetic Acid	%DM	<0.01	0.12 - 2.52
Propionic Acid	%DM	<0.01	0.06 - 0.47
Butyric Acid	%DM	0.16	0.03 - 1.51

*Sorghum/sudan silage statistics provided for comparison.

Calculations

NFC	%DM	40.17	
NSC	%DM	35.58	
RFV		139.40	
RFQ		139.47	
NDF kd rate MIR_P1	%/hr	5.30	
Adjusted Crude Protein	%DM	7.44	
		ADF	OARDC
TDN	%DM	67.51	65.21
Nel 3x	Mcal/cwt	69.73	67.17
Neg	Mcal/cwt	32.97	39.01
Nem	Mcal/cwt	58.94	65.61
Milk per ton	lbs/ton		3030
Beef per ton	lbs/ton		

ISU Beef

TDN	%DM	55.69
Nel 3x	Mcal/cwt	
Neg	Mcal/cwt	31.89
Nem	Mcal/cwt	57.34
Milk per ton	lbs/ton	
Beef per ton	lbs/ton	163



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Sub Type: Sorghum/sudan

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Description3 12/7/2023

Billing Information

Sampled By: MOJO Seed Enterprise
Sampled For: MOJO SEED ENTERPRISE
Product: 23-005

Reference: 311200
Date: 2023-12-08
Sample No.: 008-2312-1305959

\$32.00 N9-Complete NASEM
\$32.00 Total Invoice