



Dairyland Laboratories, Inc.
 217 E. Main St.
 Arcadia, WI 54612
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Report Date: 6/26/2019
Sample No.: 001-1906-850013

To: CoRFiLaC
 SP25, Km 5
 97100 Ragusa RG

Account No.: 7567 (6)
Sampled By: CoRFiLaC
Sampled For: 187458

Product: Insilato di Mais

Test Mode: N3
Feed Type: Whole plant corn
Sub Type: Conventional

Nutrient

Moisture 71.10%
 Dry Matter 28.90%
 pH 3.65

Corn silage statistics provided for comparison.

		<u>Dry Basis</u>	<u>Median</u>	<u>90% Range</u>
Crude Protein	%DM	7.09	7.21	5.80 - 9.00
AD-ICP	%DM	0.63	0.72	0.48 - 1.08
ND-ICP w/SS	%DM	1.00	1.02	0.73 - 2.42
Protein Sol.	%CP	54.58	51.05	25.02 - 72.00
Ammonia-CP	%CP	9.31	6.76	2.38 - 10.23
Ammonia-CP	%DM	0.66	0.49	0.17 - 0.72
ADF	%DM	27.77	24.47	19.93 - 30.46
aNDF	%DM	45.70	39.68	33.43 - 49.20
aNDFom	%DM	44.86	38.84	32.21 - 48.10
Lignin (Sulfuric Acid)	%DM	4.15	3.29	2.43 - 4.43
Lignin	%NDFom	9.25		-
Lignin input (uNDF/2.4)	%DM	5.19		-
NDFD 30	%NDFom	52.90	53.74	47.40 - 62.75
NDFD 120	%NDFom	69.91	68.39	62.68 - 74.88
NDFD240	%NDFom	72.25	70.80	65.58 - 78.20
uNDFom30	%DM	21.13	17.17	13.15 - 20.95
uNDFom120	%DM	13.50	12.45	9.59 - 13.90
uNDFom240	%DM	12.45	11.13	7.85 - 17.78
Starch	%DM	26.75	32.61	19.15 - 41.93
IVSD7-o	%Starch	73.21	69.18	51.07 - 78.15
Fat (EE)	%DM	3.61	3.01	2.23 - 3.86
TFA (fat)	%DM	2.02	2.09	1.49 - 2.61
16:0 Palmitic	%TFA	18.81		-
18:0 Stearic	%TFA	1.98		-
18:1 Oleic	%TFA	22.77		-
18:2 Linoleic	%TFA	46.53		-
18:3 Linolenic	%TFA	8.42		-
Ash	%DM	5.12	4.10	2.81 - 6.19
Calcium	%DM	0.26	0.23	0.16 - 0.31
Phosphorus	%DM	0.19	0.24	0.19 - 0.28
Magnesium	%DM	0.17	0.17	0.13 - 0.23
Potassium	%DM	1.09	1.01	0.77 - 1.35
Sulfur	%DM	0.10	0.10	0.08 - 0.13
Sugar (ESC)	%DM	1.60	1.85	0.54 - 5.66



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Feed Type: Whole plant corn
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Sugar (WSC)	%DM	2.36	3.58	0.99	-	6.63
Lactic Acid	%DM	4.48	3.86	0.47	-	5.61
Acetic Acid	%DM	2.43	1.02	0.41	-	2.33
Propionic Acid	%DM	0.53	0.32	0.18	-	0.49
Silage Acids	%DM	7.44				-
Lactic:Acetic ratio		2:1				

Calculations

Starch kd rate MIR_P1T1	%/hr	21.95
Adjusted Crude Protein	%DM	7.09
NFC	%DM	40.91

		<u>ADF</u>	<u>OARDC</u>	<u>MLK 2006</u> <u>NonProc</u>	<u>MLK 2006</u> <u>Processed</u>	<u>ISU Beef</u>
TDN	%DM	68.40	67.47	68.69	68.69	62.37
Nel 3x	Mcal/cwt	70.80	69.68	67.51	67.51	
Neg	Mcal/cwt	43.86	41.77	44.38	44.38	39.92
Nem	Mcal/cwt	71.03	68.69	71.61	71.61	66.22
Milk per ton	lb/ton DM			3112	3112	
Beef per ton	lb/ton DM					222.09