



To: Kussmaul Seeds
9020 US Hwy 18
Mt Hope, WI 53816

Account No.: 266 (0)
Sampled By: Kussmaul Seeds
Sampled For: KUSSMAL SEEDS

Product: RFS 2090

Test Mode: N8V
Feed Type: Whole plant corn
Sub Type: Conventional

Nutrient

Moisture	61.03%
Dry Matter	38.97%
pH	4.22

Corn silage statistics provided for comparison.

		<u>Dry Basis</u>	<u>Median</u>	<u>90% Range</u>
Crude Protein	%DM	8.01	7.21	5.80 - 9.00
AD-ICP % of CP	%CP	6.62	9.96	6.57 - 15.46
ND-ICP w/SS	%CP	17.60		
Protein Sol.	%CP	31.84	51.05	25.02 - 72.00
Ammonia-CP	%CP	0.12	6.76	2.38 - 10.23
ADF	%DM	22.15	24.47	19.93 - 30.46
aNDF	%DM	39.88	39.68	33.43 - 49.20
aNDFom	%DM	38.77	38.84	32.21 - 48.10
Lignin	%NDFom	9.16		
NDFD 24	%NDFom	53.70	49.00	42.83 - 55.18
NDFD 30	%NDFom	58.19	53.74	47.40 - 62.75
NDFD240	%NDFom	69.69	70.80	65.58 - 78.20
uNDFom24	%DM	17.95	19.48	15.91 - 23.34
uNDFom30	%DM	16.21	17.17	13.15 - 20.95
uNDFom240	%DM	11.75	11.13	7.85 - 17.78
Sugar (ESC)	%DM	3.88	1.85	0.54 - 5.66
Sugar (WSC)	%DM	6.00	3.58	0.99 - 6.63
Starch	%DM	32.65	32.61	19.15 - 41.93
IVSD7-o	%Starch	67.19	69.18	51.07 - 78.15
Fat (EE)	%DM	3.16	3.01	2.23 - 3.86
TFA (fat)	%DM	2.35	2.09	1.49 - 2.61
16:0 Palmitic	%TFA	17.45		
18:0 Stearic	%TFA	2.13		
18:1 Oleic	%TFA	24.26		
18:2 Linoleic	%TFA	47.66		
18:3 Linolenic	%TFA	6.81		
Ash	%DM	5.47	4.10	2.81 - 6.19
Calcium	%DM	0.22	0.23	0.16 - 0.31
Phosphorus	%DM	0.22	0.24	0.19 - 0.28
Magnesium	%DM	0.15	0.17	0.13 - 0.23
Potassium	%DM	1.22	1.01	0.77 - 1.35
Sulfur	%DM	0.11	0.10	0.08 - 0.13
Lactic Acid	%DM	0.89	3.86	0.47 - 5.61
Acetic Acid	%DM	0.30	1.02	0.41 - 2.33



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Propionic Acid	%DM	0.28	0.32	0.18 - 0.49
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Calculations

NFC	%DM	45.81
NSC	%DM	38.65
NDF kd rate MIR_P1	%/hr	6.19
Starch kd rate MIR_P1T1	%/hr	18.57
Adjusted Crude Protein	%DM	8.01

		<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	72.34	70.50	70.33	73.07	65.31
Nel 3x	Mcal/cwt	75.19	73.06	68.01	71.45	
Neg	Mcal/cwt	46.15	45.93	51.49	51.49	43.44
Nem	Mcal/cwt	73.61	73.36	79.66	79.66	70.16
Milk per ton	lb/ton DM			3185	3406	
Beef per ton	lb/ton DM					247.71

Billing Information

Sampled By: Kussmaul Seeds
Sampled For: KUSSMAL SEEDS

Reference: 0742864
Date: 8/31/2020

Product: RFS 2090
\$28.00 NIR COMPLETE

Sample No.: 001-2008-059990

\$28.00 Total Invoice