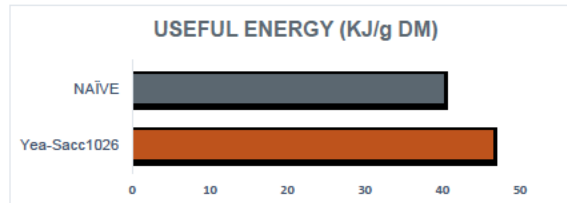


Alltech IFM™
YEA-SACC®
VALUE TEST

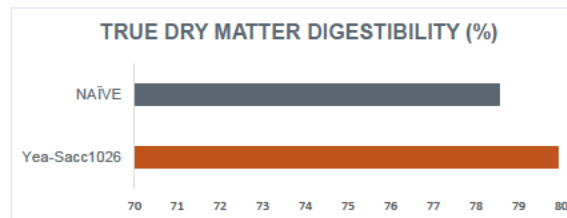
Sender: XXXXXXXXXX
 Evaluator: XXXXXXXXXX

Sample Number: XXXXXXXXXX
 Product Description: XXXXXXXXXX
 Office ID: -

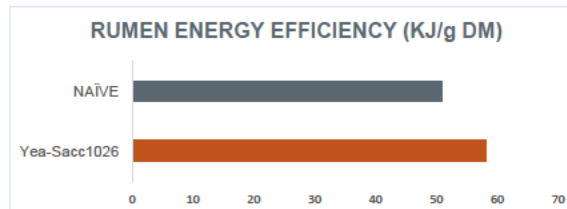
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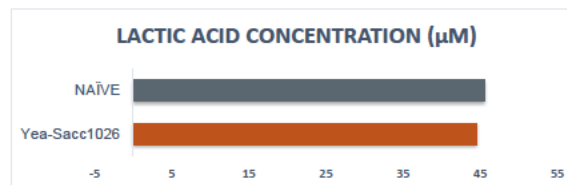
% change
1.77



% change
13.98



% change
-2.26



Results	Dry Basis		
	Sample	Average	Normal Range
Dry Matter	46.99	47.08	35.18-68.65
Crude protein	16.37	16.37	12.19-18.73
ADF	24.38	19.56	14.66-25.58
aNDF	29.72	29.72	22.69-38.55
aNDFom	30.21	28.32	21.68-36.77
Lignin	3.45	2.79	1.56-6.27
Lignin, %NDF _{OM}	11.42	9.94	5.23-19.21
AD-ICP	1.09	0.72	0.44-1.16
AD-ICP, %CP	6.66	4.47	2.63-7.16
ND-ICP	1.65	1.27	0.69-2.20
ND-ICP, % CP	10.07	7.85	4.33-12.62
Soluble Protein	46.92	40.29	25.03-54.22
Starch	23.69	26.32	19.16-35.10
Fat	4.72	4.21	3.01-5.94
Ash	7.29	7.86	5.73-10.60
Sugar, WSC	3.51	5.44	1.77-9.42
Calculated Values			
Adjusted Crude Protein	16.37	16.37	12.19-18.73
NFC	43.06	44.24	38.38-50.11
TDN	73.49	72.18	62.77-76.95
NEI, Mcal/lb	0.764	0.759	0.685-0.802
NEg, Mcal/lb	0.536	0.526	0.445-0.581
NEm, Mcal/lb	0.821	0.810	0.718-0.872

Comments

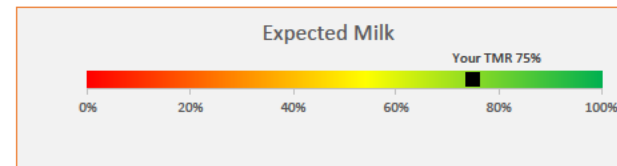
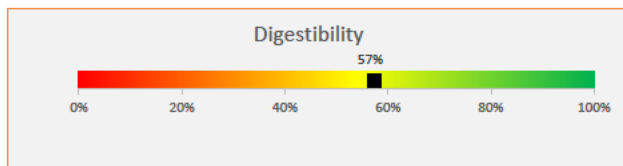
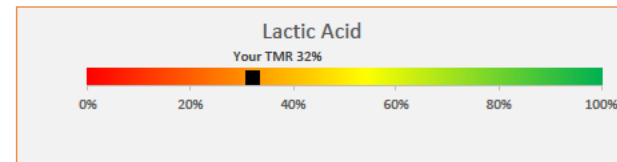
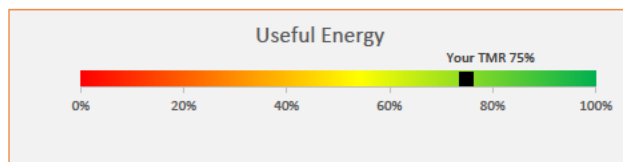
Yea-Sacc supplementation increased useful energy released from the fermentation of carbohydrates along a 2% improvement in digestibility. these changes resulted in 14% improvement in rumen energy efficiency. Lactic acid was moderately reduced by Yea-Sacc.

Altech IFM™ YEA-SACC® VALUE TEST

Sender: [REDACTED]
Evaluator: [REDACTED]
Sample Number: [REDACTED]
Product Description: [REDACTED]
Office ID: [REDACTED]

ASSESSMENT REPORT

PERCENTILE RANKING OF DEGREE OF CHANGE DUE TO YEA-SACC RELATIVE TO ALL ANALYZED TMRs



Interpretation and Suggestions

The response of this TMR to Yea-Sacc was consistently positive across all measured parameters. Useful energy and expected milk response were strong and ranked in the upper 75 percentile of all analyzed TMR. Digestibility change was also above average in the upper 57 percentile. The change in lactic acid although positive, it was below average of all response.

Together, these results suggest that Yea-Sacc will be beneficial in this TMR to improve rumen fermentation output through a combination of improved digestibility and useful energy production from the fermentation of carbohydrates.

* Milk response is estimated based solely on the fermentation of carbohydrates contained in the ration and does not reflect other potential positive changes that Yea-Sacc1026 may have on the fermentation of the total ration. Other factors may influence lactation response.