

# Fatty Acid Profile

- ▶ \$34
- ▶ 4–6 days in lab
- ▶ 24 individual fatty acids
- ▶ Summary of the proportions of Saturated, MUFA, and PUFA
- ▶ Available for all feedstuffs including TMR's
- ▶ Used to
  - establish accurate energy values
  - troubleshoot milk fat depression

Report Date:

To:  
Account #  
Sampled By:  
Sampled For:

Product:	TMR
Moisture	53.08%
DM %	46.92%
Total Fatty Acid % of DM	3.99%

Fatty Acid	Common Name	% of Total Fatty Acid
8:0, 10:0, 12:0, 14:0		0.17%
14:1	Myristolic Acid	0.00%
16:0	Palmitic Acid	15.50%
16:1	Palmitoleic Acid	1.11%
17:0	Margaric Acid	0.00%
18:0	Stearic Acid	6.63%
18:1	Oleic Acid	16.49%
18:2	Linoleic Acid	30.44%
18:3	Linolenic Acid	12.09%
19:0	Nonadecanoic Acid	0.00%
20:0	Arachidic Acid	1.66%
20:1	Eicosenoic acid	0.00%
20:2, 20:3, 20:4, 20:5		0.00%
22:0	Behenic Acid	0.29%
22:1	Erucic Acid	0.00%
22:6	Docosahexaenoic Acid	0.00%
24:0	Lignoceric Acid	0.00%
24:1	Nervonic Acid	0.00%
Other Fatty Acid		15.62%

## Saturation Profile

- Rumen unsaturated fatty acid (RUFA): Sum of mono and poly unsaturated fatty acids
- Polyunsaturated fatty acid (PUFA): Sum of polyunsaturated fatty acids
- Monounsaturated fatty acid (MUFA): Sum of monounsaturated fatty acids

