

## How can a fatty acid analysis help me diagnose milk fat depression problems?

Tom Jenkins Professor Emeritus Animal & Veterinary Sciences



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How can a fatty acid analysis help me diagnose milk fat depression problems?
Rumen Unsaturated FA Load (RUFAL)

18:1 (oleic)

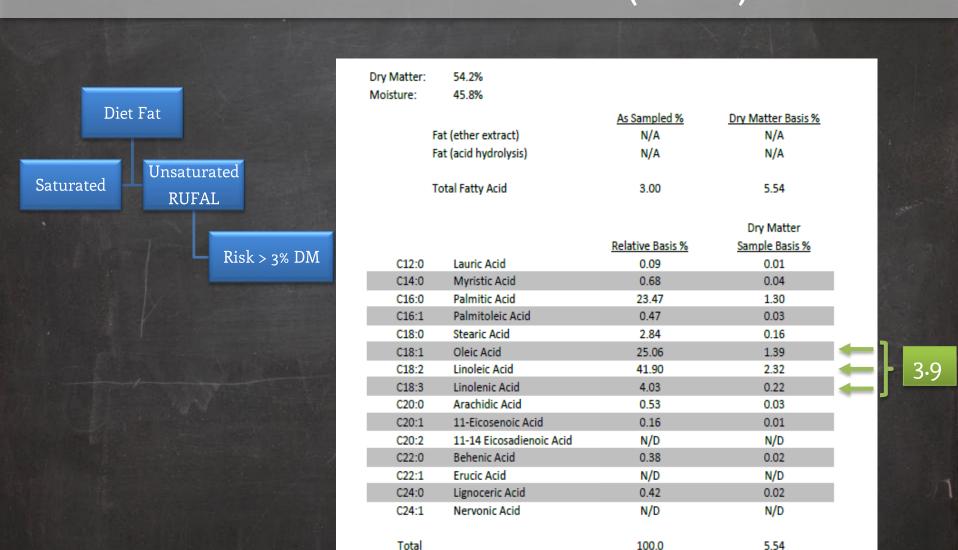
+ 18:2 (linoleic)

+ 18:3 (linolenic)

A Way to Account for The High Risk Fatty Acids



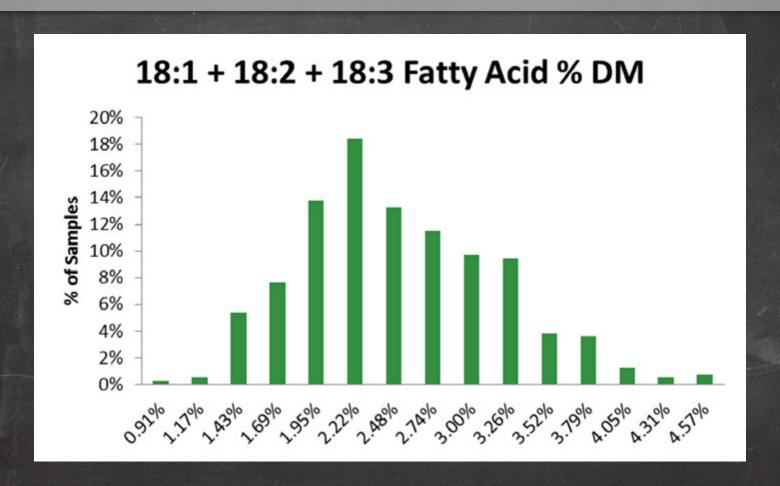
## How can a fatty acid analysis help me diagnose milk fat depression problems? Fat Risk Factor Rumen Unsaturated FA Load (RUFAL)



Total



How can a fatty acid analysis help me diagnose milk fat depression problems?





## How can a fatty acid analysis help me diagnose milk fat depression problems?

Reasons Why RUFAL > 3 % Might Not Correlate Well with MFD

	Why antimicrobial effects decrease
Reduced rate of lipolysis	Only FFA shift microbes
Increased rate of biohydrogenation	Only unsaturated FA have antimicrobial effects
Ca salt formation	Ca salts have little to no antimicrobial effects
Binding to feed particles	RUFAL must bind to microbial cell for antimicrobial effects
Direct uptake by microbial cell	Shields from binding to bacterial membranes



