



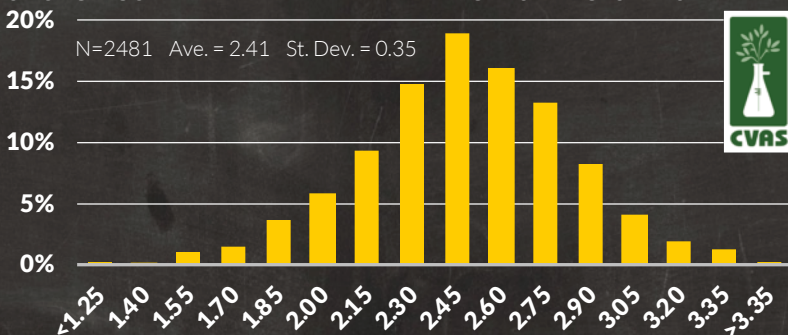
% TOTAL FATTY ACID VARIABILITY

18:2 GRAMS MATTER

The % total fatty acids can vary significantly in corn silage due to differences in grain vs. stalk, growing conditions and varieties.

DISTRIBUTION OF TOTAL FATTY ACIDS, % DM IN CORN SILAGE

SOURCE: CUMBERLAND VALLEY ANALYTICAL SERVICES 2016



EXAMPLE IMPACT OF % TFA VARIABILITY

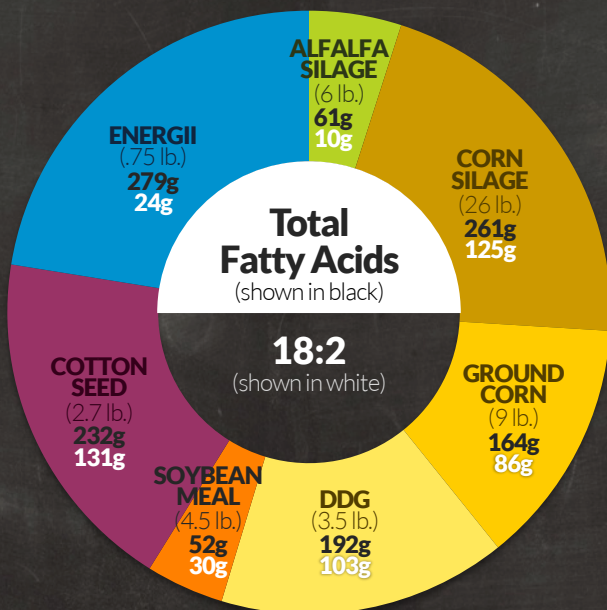
Diet: A shift from 2% to 3% total fatty acids on a 30 lb. DM corn silage diet

18:2 Gram Impact: This would equate to 1/3 lb. more fatty acids in the diet, roughly **70 grams more 18:2** (~50% of corn silage fatty acids are 18:2)

Monitor: Watch 18:2 levels as dietary changes are made, whether it be new ingredients or variability in silage piles. This is a critical step in proactively managing milk fat & balancing fatty acids.



WHERE ARE TOTAL FATTY ACIDS & 18:2 IN A TYPICAL DIET?



FIRST STEPS IN BALANCING FATTY ACIDS

- 1. Where** are the grams of fatty acids coming from?
- 2. How** many grams are unsaturated fatty acids (18:2 in particular)?
- 3. What** is the level of rumen protection and variability in these sources?