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

**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?