



# LFI

## **LIQUID FEEDS ARE MORE THAN MOLASSES**

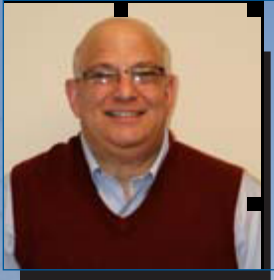
Registered and customized Liquid Feed products, contain molasses, protein from corn solubles and additional sugar sources.

Molasses contains sucrose, glucose, fructose, organic acids including lactic and malic etc. other carbohydrates and is a rich source of B Vitamins.

Adding custom blend molasses products to your TMR provides many benefits in the form of ration conditioning. Cows consume more NDF and more overall DMI.

## **THE DISADVANTAGES OF DRY SUGAR**

1. Dry sugar promotes the sorting of the TMR leading to cows consuming grain at the expense of consuming forage. This will lead to a lower ruminal pH and less efficient digestion.
2. Dry sugar does not improve the palatability of the forage in the diet. Dry sugar improves the palatability of the dry grain. This will lead to over consumption of grain and under consumption of forage. End result is less efficient digestion.
3. Dry sugar is just sucrose, a disaccharide. You lose the benefit of multiple sugars from molasses.
4. Dry sugar does not contain organic acids such as malic acid which stimulates microbial growth in the rumen.



**STEPHEN EMANUELE** *PhD*

Stephen Emanuele is the Dairy Business Development Manager for Quality Liquid Feeds. His responsibilities include providing technical support to dairy producers and their nutritionists in the Eastern U.S. and Southwestern U.S.; troubleshooting bottlenecks in dairy operations; and educating nutritionists and veterinarians on carbohydrate nutrition of dairy cattle and developing custom products for Quality Liquid Feeds, Inc.

**Make the transition to LIQUID FEEDS for healthier and efficient livestock.**



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## **Liquid Feeds International (1986) Ltd.**

[www.liquidfeeds.com](http://www.liquidfeeds.com)

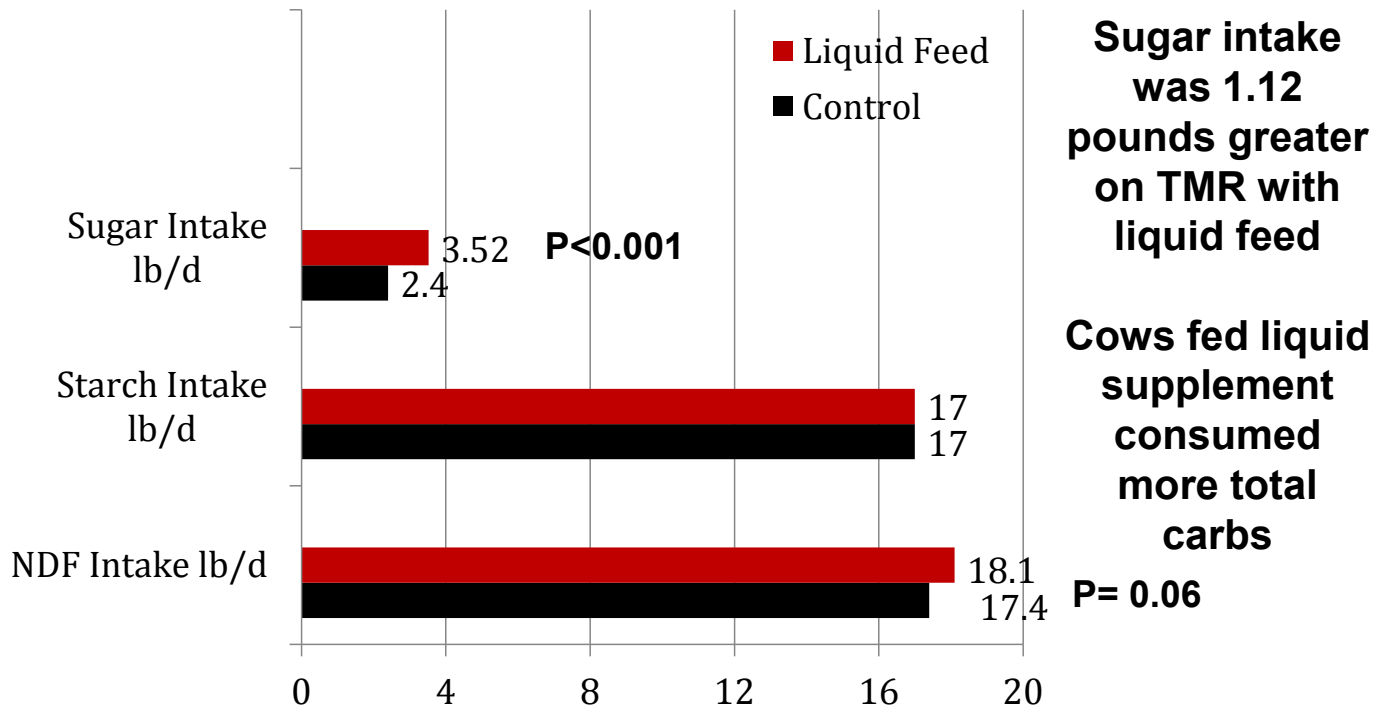
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# Impact of Liquid Supplement on Nutrient Intake

Source: JDS 95:2648 2012

54% Forage Diet- Sugar Source Liquid Feed



# Impact of Liquid Supplement on Ration Sorting

Source: JDS 95:2648 2012

54% Forage Diet- Sugar Source Liquid Feed containing molasses, CDDS and corn steep

