**Lactating Dairy Liquid Supplements**

**Flexible & Convenient**

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**Dairy TMR-NPN**
- NPN Protein for rumen bugs
- Sugars for fiber digestion and microbial protein production
- Ration conditioning/reduced sorting
- High concentrated source of supplemental sugar

**Dairy TMR - Fat**
- Sugars for fiber digestion and microbial protein production
- Fat provides energy
- Ration conditioning/reduced sorting

**Dairy SUGR**
- Sugars for fiber digestion and microbial protein production
- Ration conditioning/reduced sorting
- High concentrated source of supplemental sugar

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**Lactation and Dry Cow Optimizer**
- High concentrated source of supplemental sugar
- NPN Protein for rumen bugs
- Sugars for fiber digestion and microbial protein production
- Ration conditioning/reduced sorting
- Provides all supplemental VTM
- Reduce ration separation

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**Notes - Comments - Recommendations:**

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**“Adding Value to your Dairy Feeding Program”**

**Greater Production Efficiency**
- Enhanced Rumen Function
- Improved Ration Utilization
- Reduced Ration Sorting
- Improved Palatability

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**Enhancing the Value of your Tmr**

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**Nutrition and More . . .**

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**Quality Liquid Feeds, Inc.**

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**Improve TMR’s Physical Characteristics**

Liquid supplements offer unique characteristics that improve numerous aspects of your TMR:

- Coats and binds all ration components to reduce particle separation, keeping the TMR’s feed components more uniformly mixed and evenly distributed.
- Highly palatable and aromatic supplement improving the palatability of the TMR.
- Coating and binding properties reduce ration separation and selective eating by cows.

In the graph below, the relative particle distribution on top, middle, & bottom screens is similar at mixing & after 24 hours. This demonstrates that the ration to which the liquid feed has been added is being consumed more uniformly with less sorting (selective eating) by the animals.

**Improve Ration’s Nutrition Density**

The high quality cane molasses base ingredient of QLF liquid supplements provides a source of rapidly available carbohydrates (sugar) readily utilized by rumen microbes to enhance rumen function.

Liquid supplements’ flexibility allows a broad range of nutrients to be added to meet a wide range of needs. Various levels of sugar, fat, protein, and minerals are available to match your needs.

QLF Liquid supplements are nutrient dense, convenient to apply and an ideal medium to incorporate feed ingredients & additives like:

- Fat
- Vitamins
- Trace minerals
- Calcium
- Yeast cultures
- Mold inhibitors
- Rumensin®

**Improve TMR’s Bunk Life**

Extending bunk life and keeping feed fresh and palatable over 24 hours is a challenge, particularly during summer months.

Protecting feeds from molds, toxins, and yeast is essential to maintain feed intake and milk production. Adding mold inhibitors is a practical way to extend bunk life.

QLF offers custom addition of MYCO CURB® and Ultra CURB® mold & yeast inhibitors to extend ration freshness and palatability. MYCO CURB® or Ultra CURB® are effective mold inhibitors and are added at 1 - 2 lbs./ton of TMR. They can be incorporated at appropriate levels in your liquid supplement to protect your TMR from heating, molding, off flavor & unpalatability.