OPTIMIZERS . . .
THE COMPLETE SOLUTION:

⇨ Standard & Customized formulas meeting nutrient requirements for soluble protein, macro and micro minerals, vitamins, and salt **PLUS supplemental sugar!**

⇨ Available Additives:

- Diamond V XPC™
- SelenoSource® AF 2000
- Biotin
- MYCO CURB™
- Rumensin®
- Zinpro Availa® 4
- Zinpro® 180
- Integral™
- ClariFly®

Quality Liquid Feeds, Inc.

P.O. Box 240
Dodgeville, WI 53533

800-236-2345
www.qlf.com

QLF® QUALITY LIQUID FEEDS

B-9356

OPTIMIZERS
FOR LACTATING DAIRY CATTLE

QLF® QUALITY LIQUID FEEDS

Nutrition and More . . .

OPTIMIZERS . . .

Designed to Improve Your Feeding Program's ROI by:

☑ **Optimizing Rumen Function through:**

- Increased forage:concentrate ratio
- Reduced ration starch levels
- Increased forage digestibility
- Improved nutrient and additive distribution within the TMR
- Enhanced forage consumption
- Reduced ration sorting
- Improved nutrient intake
- Improved feed intake uniformity & consistency
- Improved microbial protein production
- Reduced rumen acidosis

☑ **Optimizing feeding accuracy and convenience**

☑ **Reducing on farm ingredient and additive inventory**

☑ **Reducing feed wastage**

Example OPTIMIZER Products

OPTIMIZER BASE 30 4.0

Nutrient Profile

Crude Protein	30%
Equivalent Crude Protein from NPN	28%
Calcium (Ca)	5.0%
Phosphorus (P)	0.75%
Salt (NaCl)	5.0%
Potassium (K)	1.7%
Magnesium (Mg)	0.44%
Iron (Fe)	160 ppm
Zinc (Zn)	875 ppm
Manganese (MN)	585 ppm
Copper (Cu)	160 ppm
Cobalt (Co)	11 ppm
Iodine (I)	13.4 ppm
Selenium (Se)	4.1 ppm
Vitamin A	37,500 IU/lb
Vitamin D	7,500 IU/lb
Vitamin E	150 IU/lb
Total Sugars (as invert)	20.0%
Moisture	36.0%
Dry Matter	64.0%

OPTIMIZER BASE 15 3.0

Nutrient Profile

Crude Protein	15%
Equivalent Crude Protein from NPN	13%
Calcium (Ca)	3.0%
Phosphorus (P)	0.75%
Salt (NaCl)	6.5%
Potassium (K)	2.0%
Magnesium (Mg)	0.44%
Iron (Fe)	170 ppm
Zinc (Zn)	1,165 ppm
Manganese (MN)	795 ppm
Copper (Cu)	245 ppm
Cobalt (Co)	14.0 ppm
Iodine (I)	18.0 ppm
Selenium (Se)	5.5 ppm
Vitamin A	50,000 IU/lb
Vitamin D	10,000 IU/lb
Vitamin E	200 IU/lb
Total Sugars (as invert)	25.0%
Moisture	36.0%
Dry Matter	64.0%