

QLF For Growing Cattle: A PROGRAM THAT FITS

Mixed Rations for Backgrounding Cattle



Feeding For Positive Returns

- ✓ Faster rates of gains mean more pounds to sell — even if you retain ownership. Compensatory gains in the feedlot typically only partially make up for extremely slow growth during the backgrounding period.
- ✓ Feeding cattle so they move towards slaughter more quickly reduces the overhead costs (interest, opportunity cost) of owning them.
- ✓ Research shows that carcass quality is enhanced by keeping cattle on at least a moderate plane of nutrition throughout their entire life.
- ✓ With the significant discounts now placed on cattle believed to be more than 30 months of age at slaughter, it is critical to manage animals so they finish well ahead of this break-off point.

Boosting Performance With Liquid Supplements

- ◆ **Enhanced Nutrition** -- Liquid supplements can supply the protein, energy, mineral and vitamin nutrition necessary to support desired performance levels, in grain-based rations, with significant levels of co-products, and with various sources and levels of roughages. The inclusion of appropriate protein sources can supply needed amounts of amino acid and non-protein nitrogen (NPN) crude protein, and varying proportions of degradable and by-pass proteins.
- ◆ **Palatability**— Liquid supplements aid in tying up ration fines and masking off-flavors and odors, helping start and keep animals on feed. Maintaining strong and consistent intakes provides for proper rumen function, better additive utilization, and improved performance. Palatability attributes are especially valuable when feeding silage, high-moisture grain, and low dry matter byproducts.
- ◆ **Diet Uniformity**—Ration ingredients, especially when they vary in size and density, can separate in the feedbunk. Preferential selection for specific feedstuffs by animals as they

feed causes further sorting. The result can be big differences between the diet that was formulated and the diet that is actually consumed. Irregular intakes of roughage, concentrate and additives contributes to subacute acidosis, lower total intakes, lowered response to additives...and reduced performance. **Adding liquid supplements to a mixed ration improves the initial mix, ties up fines, and significantly reduces individual animal sorting.**

QLF[®]

Quality Liquid
Feeds

• Where Quality
Comes First •

Convenience : An Added Liquid Advantage

- ◆ **A COMPLETE PACKAGE:** Liquid supplements can simplify ration preparation by providing protein, minerals, vitamins, additives and more, all in one easy-to-incorporate product
- ◆ **EASE OF APPLICATION:** A simple toggle of an on/off switch allows liquids to be easily and accurately applied, with much more control than with supplements delivered through a slide gate or with a front-end loader.
- ◆ **STORAGE SIMPLICITY:** Liquid supplements are nutrient dense, requiring less space for storage. There is no packaging to dispose of. It is virtually impossible to cross-contaminate dry feeds with medicated liquids. Tank location and set-up can be modified innumerable ways. Equipment maintenance is minimal.
- ◆ **PRACTICAL CARRIER:** Liquid supplements are an ideal way to bring fat or additives into the ration, avoiding the need for special tanks or equipment.

Liquid Supplements Offer Cost Savings

- ⇒ **Overall Feed Savings.** *Research trials have shown improved feed efficiency when liquid supplements were used in the ration.*
- ⇒ **Less Waste.** *Application of liquid supplements to a bunk ration can cut waste loss during both handling and feeding. Liquid supplements don't "shrink" in storage, fine feed particles are held safe from wind, and uniform animal intakes promote cleaning up feedbunks.*
- ⇒ **Cheaper to Handle.** *The cost of storing, applying, and mixing liquids is lower than the cost of handling dry ingredients.*
- ⇒ **Good Value per Unit of Nutrient.** *We add supplements to provide specific, needed nutrients to the diet. Liquids are cost-effective sources of supplemental nutrition, especially in today's market.*

**For more information
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