Crystalyx® STRESS LineUp

CRYSTALYX® has outlined a new method of categorizing our supplements in an **Economy**, **Balanced** and **Premium** product offering. The charts below provide a visual of how supplements are arranged.

PREMIUM

BALANCED

ECONOMY

Beef-lyx® | Brigade® | BATTALION®

moderate - high quality forage

ECONOMY

- Baseline nutrition
- Consistent delivery

Best used when:
Cattle requirements are less demanding
Forage conditions are stable

BALANCED

- Great balance between nutrition and supplement cost
- 100% of NRC requirements

Best used when:
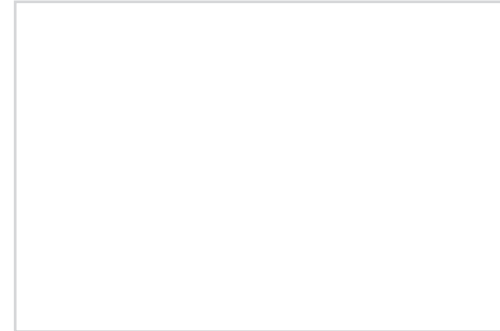Needing to provide a balanced nutrition program for typical production conditions

PREMIUM

- **Includes Alltech technologies including Bioplex® organic trace minerals and Actigen® to support gut health**

- **Added chromium to help decrease morbidity and positively impact dry matter intake, average daily gain and feed efficiency in stressed feedlot cattle**

Best used when:
Conditions are tough, genetics demanding and reproductive performance is a must

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Ask for CRYSTALYX® Supplements at your local dealer:

Crystalyx® Brand Supplements

Mankato, MN 56001
800.727.2502
Crystalyx.com

W90165
02/18

Crystalyx® STRESS SOLUTIONS

BATTALION®

Brigade®

Beef-lyx®

BATTALION®

CRYSTALYX® Battalion® is designed for self-feeding to calves, growing cattle and mature beef cattle. Battalion® is fortified with electrolytes and high levels of vitamins and trace minerals to help overcome nutritional stress associated with shipping, weaning and breeding. Battalion® contains chromium, Actigen® and Bioplex® Hi-Four.

✓ FEATURES & BENEFITS

- Contains Bioplex® Hi-Four organic trace minerals, Sel-Plex® as the sole source of selenium, and Actigen® which provides a natural, cost-effective means of maintaining gut health and integrity to support overall performance.

- Chromium supplementation has been shown to decrease morbidity and positively impact dry matter intake, average daily gain and feed efficiency in stressed feedlot cattle

- Designed for ¼ lb. intake on weaned calves

🔍 RESEARCH
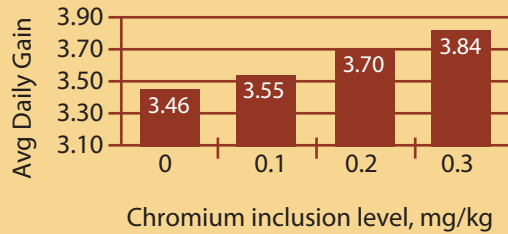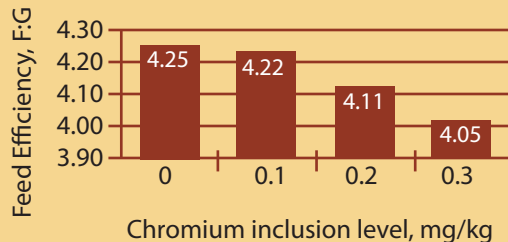
Figure 1
Avg Daily Gain 0-56 Days on Feed *(lbs)*

Avg Daily Gain vs Chromium inclusion level, mg/kg:
- 0: 3.46
- 0.1: 3.55
- 0.2: 3.70
- 0.3: 3.84

Figure 2
Feed Efficiency 0-56 Days on Feed *(lbs)*

Feed Efficiency, F:G vs Chromium inclusion level, mg/kg:
- 0: 4.25
- 0.1: 4.22
- 0.2: 4.11
- 0.3: 4.05

In this 28 day study, 180 steers were fed chromium propionate. Subjects showed a linear increase in average daily gain ($P \leq 0.03$) and improved feed efficiency ($P \leq 0.05$) as chromium propionate concentrations increased. Inclusion of chromium at the 0.3 mg/kg level increased average daily gain by 10.8% and improved feed to gain ratio by 4.2% over controls. (Figures 1 and 2).

Chromium data provided by © Kemin Industries, Inc. and its group of companies 2011. All rights reserved.

Brigade®

CRYSTALYX® Brigade® is formulated to help overcome nutritional stress associated with weaning, shipping, grouping and the breeding period. Brigade® is fortified with electrolytes, organic trace minerals, and high levels of vitamins and minerals intended for:

- Calves at weaning or shipping
- Show calves
- Stressed calves
- Replacement heifers & cows *(45 days before breeding)*

THEY SOLD THEMSELVES!

❝ *While the improved herd health was the most noticeable advantage to feeding Brigade®, the benefits also paid off in the show ring when the calves were sold at 800 pounds. "Their eyes were bright, they had shiny coats. They sold themselves," he says. "I will definitely use Brigade® for stressed out calves in the future.* ❞

- Riley Denning

🔍 RESEARCH

	Control	Brigade®	Change
Number of Calves	421	455	
Days on Feed	46	51	
Initial Weight *(lbs)*	545	557	
Average Daily Gains *(lbs)*	1.52	1.9	+.38
Ration Intake *(lbs/hd/d)*	10.5	11.9	+1.4
Mortality	12	6	-6
Treated Calves	37.50%	19.80%	-17.7%

Field trial results available upon request

Brigade® Consumption: .25/lb/hd/day

Beef-lyx®

CRYSTALYX® Beef-lyx® is a unique, nutrient-dense supplement formulated to help improve health and stimulate the appetite of incoming feedlot cattle. Beef-lyx® is a perfect complement to a nutrient dense TMR; providing additional key minerals and vitamins, and yeast culture for digestive health. This highly palatable supplement keeps stressed calves eating when they enter the feedlot.

Bioplex®, BioMos® and Actigen® are registered trademarks of Alltech®

Crystalyx®
Brand Supplements