



MINERAL

ALL. TOGETHER. BALANCED.



- Minerals that deliver consistent intakes and balanced supplementation throughout the year
- Self-fed formulas
- Offering minerals with additive options: Sel-Plex®, Celmanax™, XPC® yeast, Altosid®, Availa® 4/ProPath® 4, Puriferm™

BEEF XCELLENCE® MINERAL



FEATURES // BENEFITS

Calcium.....	18.0%
Phosphorus.....	4.3%
Salt.....	26.4%
Iodine	298 ppm
Selenium.....	26.4 ppm
Vitamin A.....	300,960 IU/lb.
Vitamin D.....	75,240 IU/lb.
Vitamin E	376.2 IU/lb.

- Balanced, complete minerals that support cattle health and reproduction

WHEN TO USE

- All purpose
- Self-fed

FEEDING RATE

4 ounces per head per day

OPTIONS

Rumensin® (not for use in self-fed formulas)
Bovatec®

WIND AND RAIN® MINERAL



FEATURES // BENEFITS

Calcium.....	18.0% / 14.5%
Phosphorus.....	4.0% / 7.5%
Salt.....	24.0% / 19.8%
Iodine	60.0 ppm
Selenium.....	27.0 ppm
Vitamin A..	150,000 / 300,000 IU/lb.
Vitamin D.....	15,000 / 30,000 IU/lb.
Vitamin E	150 / 300 IU/lb.

- Contains proper balance of 14 essential minerals, supplemented by vitamins A, D, and E
- Purina® STORM® Technology provides the ultimate weather resistance. Large particle size keeps mineral from blowing away in the wind, while special formulation and production methods provide protection to minimize mineral loss from leaching or bricking.

WHEN TO USE

- Wind and Rain 4 - Stocker mineral
- Wind and Rain 7.5 - Breeder mineral and with stored forages

FEEDING RATE

4 ounces per head per day

STRESS TUB



FEATURES // BENEFITS

Protein	12.0%
Fat	4.0%

- Contains proper balance of 14 essential minerals, supplemented by vitamins A, D, and E
- Diamond V XPC for digestive health and immune function
- Availa 4 minerals formulated at Zinpro research-recommended rate for copper, cobalt, manganese, and zinc for improved bioavailability
- Helps calves transition through the weaning phase. Licking creates saliva which helps buffer the rumen.
- Provides access to essential nutrients for timid or green calves

WHEN TO USE

- Weaning and receiving pens
- Stressed cattle
- At calving for the dam

FEEDING RATE

1 tub per 25 - 30 calves
1/3 - 1/2 lb. per head per day
Available in 60 and 225 lb. tubs

WIND AND RAIN® MINERAL TUB



FEATURES // BENEFITS

Protein	5.0%
Calcium.....	5.0%
Phosphorus.....	4.0%
Vitamin A.....	80,000 IU/lb.
Vitamin D.....	20,000 IU/lb.
Vitamin E	100 IU/lb.

- Contains proper balance of 14 essential macro and micro minerals
- Option of Availa 4 minerals formulated at Zinpro research-recommended rate for copper, cobalt, manganese, and zinc for improved bioavailability

WHEN TO USE*

- Cow/calf, seedstock and stocker operations
- Prior to breeding or embryo transfer
- Weaning and receiving cattle, stressed cattle

FEEDING RATE

1 tub per 25 - 30 cows
1/4 - 1/2 lb. per head per day
Available in 225 lb. tubs

*Use with salt



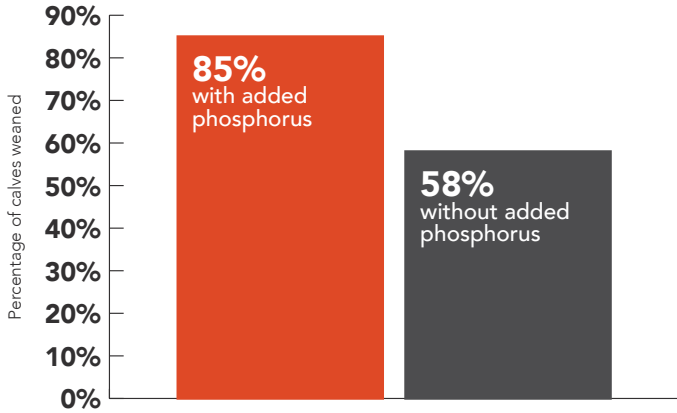
MINERAL

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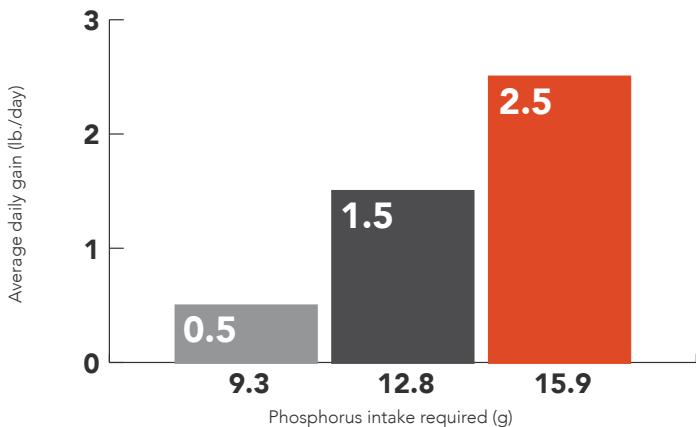
PERCENTAGE WEANED CALF CROP
Relative to Phosphorus Supplementation

Source: USDA Research based on mature cows in Texas, two consecutive calf crops

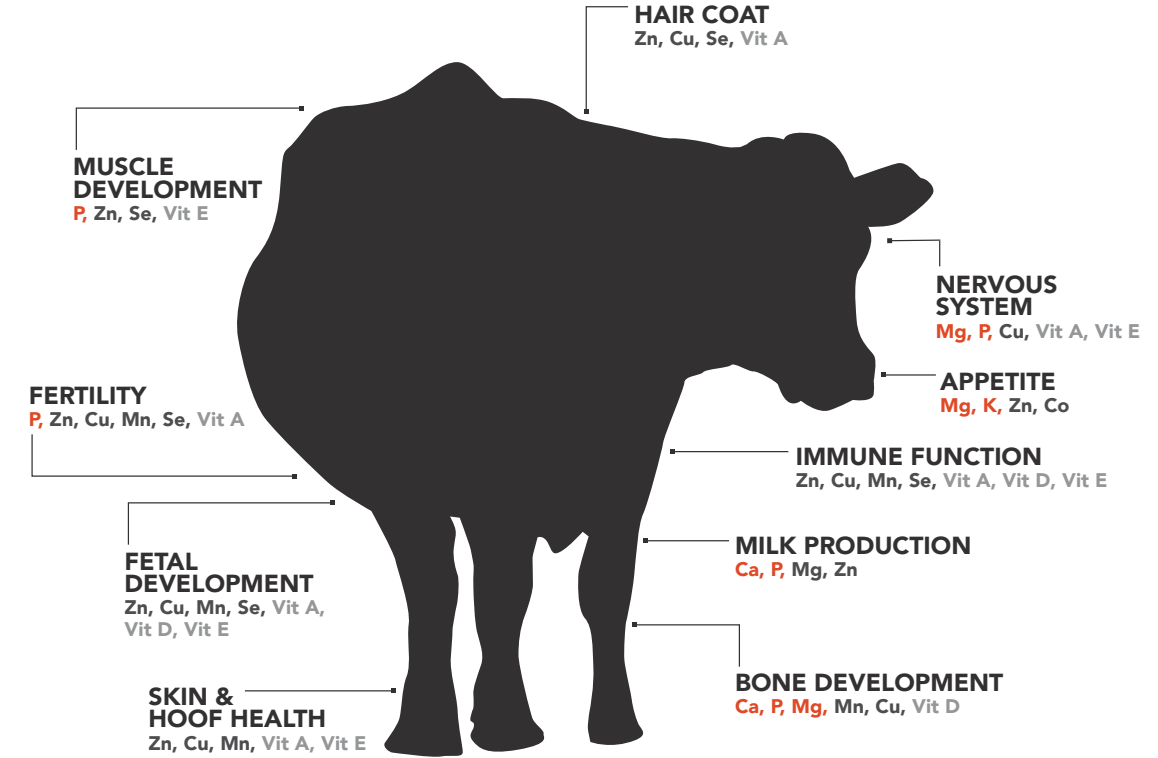


EFFECTS OF ADDED PHOSPHORUS
On Daily Gains in 500-lb. Calves

Source: National Research Council



IMPORTANCE OF MINERALS TO COW HEALTH



Macro Minerals
Trace Minerals
Vitamins



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**10:1
ROI**

Horn flies can cause 15 lbs. to 50 lbs. of weight loss per head during the summer season. An Altosid® IGR feed-thru investment of \$4.50 per cow/calf pair for 180-day feeding season will provide returns from 6:1 up to 10:1.

ACRONYMS

AS=All Season SF=STORM® formula CP=Complete(contains salt)
ALT=Altosid® AV4=Availa® 4 XPC=Diamond V XPC® yeast