

What are the Phosphorus Requirements for Beef Cows ?

NRC Recommendations

- 1200 lb Beef Cow
- DMI @ 2.5% BW = 30 lb/d
 - Higher than typical intake
- Phosphorus recommendation =
 - Dry cow = .12% or **16.0 g/d**
 - Lactating cow = .20% or **27.2 g/d**

Phosphorus from Forages

- Green .30% or 40.8 g/d @ 30lb DMI
- Brown .15% or 20.4 g/d @ 30lb DMI
- Straw .08% or 10.9 g/d @ 30lb DMI

Phosphorus from Mineral

4oz intake

- Prairie Cow Line 4% P = 4.5 g/d
- Suther's Line 10% P = 11.2 g/d
- Suther's LifeCycle 12% P = 13.4 g/d

Simply Right Minerals...

Designed for your Pocket Book and your Cattle

Simply Right Cow/Calf Minerals —Floor Stock Formulations—

Prairie Cow Minerals:

- S8012.01 Prairie Cow 4P
- S8012.20 Prairie Cow 4P CTC 2800

Suther's Line Minerals:

- S8040.01 Suther's 5P
- S8040.02 Suther's 5P Mag
- S8040.20 Suther's 5P CTC 2800

Suther's LifeCycle Minerals:

- S8014.01 Suther's 12P Plus

Consult with your Suther Feeds Sales Representative for products and dates of seasonal floor stock minerals and a complete list of available product combinations.

*Custom Formulations Available
60 Bag Minimum Order*

Suther's

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Frankfort, Ks. 66427
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Simply Right Cow/Calf Minerals

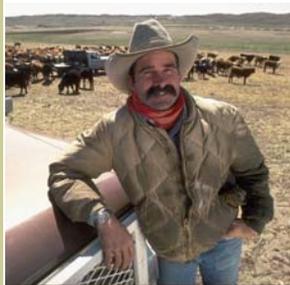
Designed for your Pocket Book and your Cattle



"Your Success is Our Success"

800-633-4138

The Approach of Simply Right Minerals



Suther's *Simply Right* mineral supplements are formulated to meet the needs of the animal, to

be cost effective, to meet handling and other physical requirements and to contribute to the stewardship of the environment. The base formulations are built upon the mineral levels and ratios recommended by the National Research Council. Additional ingredients and products are offered to meet the nutritional and health needs of specific areas and production systems.



Trace Mineral and Phosphorous Supplementation Levels			
Trace Mineral	60% Prairie Cow Line	100% Suther's Line	200% LifeCycle
<i>Approach</i>	Mineral provides about 60% of the NRC recommendations for a lactating cow. A safety factor is built into the amount in that an above average dry matter intake is assumed. This approach takes into account that the forages contain available trace minerals that provide the remaining 40% of the cow's needs.	Flagship line – First recommendation Mineral provides about 100% of the NRC recommendations for a lactating cow. A safety factor is built into the amount in that an above average dry matter intake is assumed. This approach provides all of the trace minerals needed by the cow. Low mineral content in the forage, above average cow requirements or low levels of antagonists are addressed with this mineral.	Mineral provides about 200% of the NRC recommendations for a lactating cow. In addition to higher levels, the product contains organic forms of trace minerals that are more available to the animal. This approach is meant to address potential or observed shortfalls in mineral nutrition due to high needs or low intakes. Example uses include: Cattle with very high genetic potential, times of stress and low intake such as weaning, areas with known high levels of antagonists.
<i>Where to use?</i>	<u>Diet:</u> Relatively good forages year around <u>Cattle:</u> Known average or below milking and growth potential <u>Production levels:</u> Satisfactory breed back, weaning percentage, sickness levels <u>Mineral management:</u> Mineral is kept out year around <u>History:</u> No history of mineral related production or health problems	<u>Diet:</u> Mostly good forages fed; periods of low quality forages <u>Cattle:</u> Average or above milking and growth potential; or unknown potential <u>Production levels:</u> Generally satisfactory breed back, weaning percentage, sickness levels <u>Mineral management:</u> Mineral is kept out, some periods without <u>History:</u> No history of mineral related production or health problems	<u>Diet:</u> Mostly good forages fed; periods of low quality forages <u>Cattle:</u> Average or above milking and growth potential, unknown potential, or stressed cattle <u>Production levels:</u> Less than satisfactory breed back, weaning percentage, sickness levels <u>Mineral management:</u> Mineral is kept out, some periods without; 200% mineral used during periods of stress <u>History:</u> History of mineral related production or health problems
Phosphorus	4% & 8% Phosphorus	5% & 10% Phosphorus	12% Phosphorus
<i>Where to use?</i>	4% to 8% P is generally adequate for average milking cows fed mostly green forages. For spring calving cows, 4% to 8% P minerals are often fed from turnout through the fall.	5% to 10% P is generally adequate for average milking cows fed mostly green forages. For spring calving cows, 5% to 10% P minerals are often fed from turnout through the fall.	12% P is fed when ration P content is low, and/or cow needs are high. Cows during the last third of gestation and fed brown forages, and cows at peak lactation fed harvested forages have high needs

Simply Right Cow/Calf Minerals:

- *Right for your cattle*
 - *Right for your ranch*
 - *Right for your pocket book*
 - *Right for the environment*

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