



# Rumetrics OP

## A Stress Fighter for Ruminants

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### Rumetrics OP

A PELLETTED VITAMIN AND MINERAL SUPPLEMENT FOR BEEF AND DAIRY CATTLE

#### GUARANTEED ANALYSIS

Calcium (Ca) .....	Not Less Than .....	3.00%
Calcium (Cs).....	Not More Than .....	5.00%
Phosphorous (P).....	Not Less Than .....	1.50%
Salt (NaCl).....	Not Less Than .....	20.50%
Salt (NaCl).....	Not More Than .....	22.50%
Potassium (K) .....	Not Less Than .....	9.00%
Magnesium (Mg) .....	Not Less Than .....	2.50%
Vitamin A .....	Not Less Than .....	100,000 IU/lb

#### INGREDIENTS

Potassium Chloride, Wheat Midds, Alfalfa Meal, Salt, Betaine Hydrochloride, Dicalcium Phosphate, Monocalcium Phosphate, Calcium Carbonate, Magnesium Oxide, Sodium Bicarbonate, Zinc Sulfate, Wheat Flour, Chromium Propionate, Vitamin E Supplement, Zinc Amino Acid Chelate, Copper Sulfate, Calcium Stearate, Copper Amino Acid Chelate, Manganese Amino Acid Chelate, Manganese Sulfate, Magnesium Polysaccharide Complex, Capsicum Oleoresin, Calcium Propionate, Sodium Selenite, Vitamin A Supplement, Thiamine Mononitrate, Vitamin D3 Supplement, Ethylenediamine Dihydriodide and Artificial Flavor.

Manufactured for:  
**XF-Nebraska**  
P.O. Box 350  
Hereford TX 79045

#### Packaging:

- 50 lb (22.68 kg) bag

#### \*\*\* CAUTIONS & WARNINGS \*\*\*

- ✓ Rumetrics OP is not designed to be fed as the only vitamin and mineral source for cattle.
- ✓ Rumetrics OP contains copper, therefore do not feed to sheep or other animals sensitive to copper.
- ✓ Feed only to bovine species.
- ✓ Do not exceed recommended feeding rates.

#### Rumetrics OP is:

- A proprietary formulation of selected ingredients that together can aid in mitigating the negative physiological response to the stress hormone, cortisol.
  - ✓ Stressors may include thermal, dietary changes, health challenges and transport.
  - ✓ Cortisol has a negative effect on gut integrity at the cellular level, immune response and cellular hydration.
- Designed to support rumen microbiota, digestive enzyme regulation, cellular transport of electrolytes, thyroxin production and whole-body electrolyte balance.

#### Rumetrics OP features:

- Chromium** potentiates cellular insulin sensitivity resulting in efficient utilization of glucose to maintain cell metabolism. Chromium also reduces the release of the stress hormone cortisol thereby maintaining optimal immune balance.
- Capsicum** has a spectrum of activity; stimulates water intake, regulates feeding patterns, maintains GI blood flow to minimize stress related “leaky gut”, reduces cellular oxidative stress and stimulates white blood cells for immune stability.
- Betaine** serves as a methyl donor in enzymatic reactions and assists in cellular electrolyte transport.
- Select **vitamins, trace minerals and macro-minerals** aid in maintaining and supporting health and performance.

#### Rumetrics OP feeding directions:

- \* Thoroughly mix Rumetrics OP into TMR or grain mix.
- \* **Recommended feeding rates (oz/head/day). For cost effective seasonal summer feeding recommendations using Rumetrics OP, please contact your representative.**

Weather Conditions	Beef	Dairy
68° F +	1.0 oz	1.0 oz
Heat Index @ Mild & Above	2.0 oz	2.5 oz

- \* Implement all other appropriate cooling measures.