

# RangeLand HCP Stress Tub

**Type of Feed:** Supplement

**Form of Feed:** Tub

**General Description:**

RangeLand HCP (Health Care Provider) Stress Tub is a free choice supplement designed for young cattle prior to or after stress and breeding animals. This product is recommended for use in pre-weaning situations, receiving and hospital pens, as well as to the breeding herd 60 days prior to calving and through the breeding season.

LAND O LAKES®

## RANGELAND HCP STRESS TUB

FOR ALL CLASSES OF CATTLE

**GUARANTEED ANALYSIS**

Crude Protein, Not less than.....	13.0 %
Crude Fat, Not less than.....	5.0 %
Crude Fiber, Not more than.....	2.5 %
Calcium (Ca), Not less than.....	1.75 %
Calcium (Ca), Not more than.....	2.75 %
Phosphorus (P), Not less than.....	1.5 %
Salt (NaCl), Not less than.....	0.5 %
Salt (NaCl), Not more than.....	1.5 %
Potassium (K), Not less than.....	4.5 %
Magnesium (Mg), Not less than.....	1.0 %
Cobalt (Co), ppm, Not less than.....	90
Copper (Cu), ppm, Not less than.....	785
Zinc (Zn), ppm, Not less than.....	2500
Manganese (Mn), ppm, Not less than.....	1150
Iodine (I), ppm, Not less than.....	40
Selenium (Se), ppm, Not less than.....	10
Vitamin A, I.U./lb, Not less than.....	200,000
Vitamin D <sub>3</sub> , I.U./lb, Not less than.....	22,500
Vitamin E, I.U./lb, Not less than.....	800

SAMPLE

**INGREDIENTS**

Molasses Products, Processed Grain By-Products, Plant Protein Products, Animal Protein Products, Monocalcium Phosphate, Dicalcium Phosphate, Animal Fat, Calcium Carbonate, Sodium Hydroxide, Magnesium Oxide, Potassium Chloride, Vitamin A Supplement, Vitamin D<sub>3</sub> Supplement, Vitamin E Supplement, Biotin Supplement, Niacin Supplement, Zinc Amino Acid Complex, Zinc Methionine Complex, Manganese Amino Acid Complex, Copper Amino Acid Complex, Cobalt Glucoheptonate, Zinc Sulfate, Manganese Sulfate, Ethylenediamine Dihydriodide, Cobalt Carbonate, Sodium Selenite, Ethoxyquin (a preservative), Basic Copper Chloride, Mineral Oil

**FEEDING DIRECTIONS**

RangeLand HCP Stress Tub is a highly palatable molasses based supplement that entices cattle to taste. It provides the key nutrients needed for a fully functioning immune system so that cattle are fully prepared to face, and/or recover from the stresses of weaning and transportation, respond to vaccination programs, start more quickly on fed or return to their home pen more quickly. It also provides key nutrients involved in reproductive performance to positively impact fertility, estrus, as well as sperm quality and quantity.

**CREEP FEED SUPPLEMENT:** Offer RangeLand HCP Stress tubs to calves in a creep area, 1 to 2 months prior to weaning.

**RECEIVING AND SARTING SUPPLEMENT:** Offer RangeLand HCP Stress Tubs to newly receiving calves or starting cattle either in confinement or on pasture. Tubs should be offered through the first 3 to 4 weeks to newly received calves. RangeLand HCP Stress tub is also an excellent supplement to include in feedyard hospital or sick pens to help stimulate feed intake and provide important nutrition to help cattle overcome disease.

**BREEDING CATTLE:** Offer RangeLand HCP Stress tubs to cows, replacement heifers, developing bulls and breeding bulls from 60 days prior to calving through the end of breeding season.

1. Feed one tub per 20—25 head of cattle and at least 2 tubs per pasture to ensure adequate intake by younger, timid animals.
2. Place tubs within 100 feet of where animals congregate (loafing, grazing, feeding and watering areas).
3. Feed tubs continuously along with plentiful sources of forage and fresh clean water.
4. Cattle will consume approximately 1/3 to 1/2 pound of this supplement per head daily.

**CAUTION**

**Do not feed to sheep or allow sheep to have access to this product. This product contains high levels of supplemental copper.**

**Available Options:**

Product No.	Options	Product Name
1800072-633	225 lb Plastic	RangeLand HCP Stress Tub 225#P
1800086-622	250 lb Fiber	RangeLand HCP Stress Tub 250# F

**Product Features:**

**Product Benefits:**

Low moisture cooked molasses product technology

Consistent intake and nutrient delivery that helps eliminate over-consumption. Moisture from air and saliva from licking softens a thin layer on the surface of the tub. Lower levels remain protected and solid. Intake is regulated by availability to softened layer

Supplement delivery method that fits a variety of production systems

Convenient supplement delivery system is ideal for small beef producers with other time commitments, as well as large producers who experience time and labor shortages

Natural protein (from vegetable and approved animal sources)

Supplies modest amounts of protein to maximize animal performance at an economical cost



Specifically designed to improve overall health and performance of newly received shipping stressed cattle; Also formulated to provide elevated levels of vitamins for stressed cattle, specifically Vitamins A and E. Improves reproductive efficiency through improved fertility; improves life-time performance through the positive impact on fetal development; improves overall performance through improved immunity, hoof health and disease prevention. Meets 100% of trace minerals requirements using Zinpro's Availa-4 complexed trace minerals at a 0.5 lb consumption

Higher copper (785 ppm) and zinc (2500 ppm) levels

For areas with chronic copper deficiencies or areas with copper antagonists (high environmental molybdenum, sulfur or iron).while still maintaining the proper Zinc:Copper ratio

Added potassium

Replenishes lost tissue fluids typical of shipped-in cattle



Better palatability helps maintain consistent feed intake. Better feed digestibility helps make more nutrients available to the animal for absorption, performance, health and production.

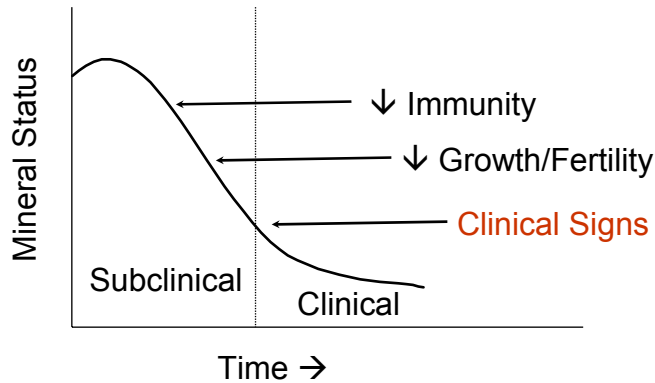
Non-returnable biodegradable fiber container. Non-returnable plastic container also available

Labor saving supplement delivery system that reduces the biosecurity risks associated with returnable containers

**Usage Tips**

As trace mineral status decline in cattle, immunity is first to be affected followed by the lost opportunity to optimize performance and reproduction. This decrease in trace mineral status leads to decreased performance usually in terms of poor response to vaccination programs, increased sickness and death loss, and occur before any clinical symptoms of deficiency are evident. In other words, cattle ranging from marginal to clinically deficient can benefit from consuming a well balanced mineral supplement.

## Effects of Mineral Deficiencies over Time



The steepness of the curve will vary with the magnitude of the mineral deficit.

Nutrition plays a key role in both cow and calf health and performance. Trace minerals, in particular, greatly influence reproductive performance and immune system response. Research shows that many cow herds are marginally to severely deficient in several trace minerals. Even with sub-clinical trace mineral deficiencies, profitability of cow/calf producers are limited by lower conception rates, longer calving seasons, reduced weaning weights and compromised immune function in both cows and calves.

Trace Mineral Deficiency	Female Fertility	Male Fertility
Copper	<ul style="list-style-type: none"> <li>↑ Delayed or suppressed estrus and puberty</li> <li>↑ Embryo death</li> <li>↓ Conception rates</li> <li>↓ Ovulation rates</li> </ul>	<ul style="list-style-type: none"> <li>↓ Libido</li> <li>↓ Spermatogenesis</li> </ul>
Iodine	<ul style="list-style-type: none"> <li>↑ Silent Heat</li> <li>↑ Embryonic death</li> <li>↑ Weak calves</li> <li>↑ Retained placentas</li> </ul>	<ul style="list-style-type: none"> <li>↓ Libido</li> <li>↓ Sperm quality</li> </ul>
Manganese	<ul style="list-style-type: none"> <li>↑ Anestrus</li> <li>↑ Abortion</li> <li>↑ Calving problems</li> <li>↓ Conception rates</li> <li>↓ Ovulation rates</li> </ul>	<ul style="list-style-type: none"> <li>↑ Abnormal sperm</li> </ul>
Zinc	<ul style="list-style-type: none"> <li>↑ Calving problems</li> <li>↑ Abnormal estrus</li> </ul>	<ul style="list-style-type: none"> <li>↑ Impaired growth and delayed puberty</li> <li>↓ Libido</li> <li>↓ Testosterone</li> <li>↓ Testicular size</li> </ul>

Initial placement of RangeLand HCP Stress Tub should be within 100 feet of loafing or watering areas. As animals become accustomed to the tubs, repositioning may be necessary to maintain proper consumption level. Move tubs further away to decrease consumption, closer to increase. Total surface area exposed to the herd will impact consumption. Increased surface area exposed will increase consumption. Read and follow label directions.

Animal condition as well as forage quality can impact consumption. If over-consumption occurs for more than two weeks, despite corrective measures, remove the tubs and evaluate the overall feeding program. Do not provide free access to starved animals.

The number of head per tub will affect consumption. Expected intake is approximately 0.3 to 0.5 lb per head daily. To increase consumption, increase the number of tubs offered. To decrease consumption, decrease the number of tubs. As surface area of exposed tub increases, consumption increases. Each product will have recommendations for initial positioning.

Placement of tubs can also influence grazing patterns within a pasture. Place tubs in under-utilized areas of a pasture to entice grazing in that area.

Offer RangeLand HCP Stress Tub to calves in a creep area on pasture one to two months prior to weaning in order for calves to become familiar with delivered feed programs. RangeLand HCP Stress Tub provides key nutrients that will ensure calves are fully prepared to face the stress of weaning, respond to vaccination programs and start more quickly on feed.

Offer RangeLand HCP Stress Tub to newly received calves or starting cattle, either in confinement or on pasture, to ensure intake of vitally important micro nutrients for a well developed immune system, proper electrolyte balance in stressed calves and a highly palatable supplement to start cattle on feed. Tub should be offered through the first three to four weeks to newly received calves.

RangeLand HCP Stress Tub is an excellent supplement for use in feed yard hospital or sick pens to help stimulate feed intake and provide important nutrients needed to overcome disease.

Offer RangeLand HCP Stress tubs to cows, replacement heifers, developing bulls and breeding bulls from 60 days prior to calving through the end of breeding season. RangeLand HCP Stress Tub is ideally suited to conditions where intake of free choice mineral is difficult to obtain. Meeting trace mineral requirements with RangeLand HCP Stress Tub will be easier to achieve due to its high content of complexed trace minerals. The high complexed trace mineral content of this mineral promotes its use when antagonistic minerals (high iron, sulfur, molybdenum) exist in the animal's environment. RangeLand HCP Stress Tub is targeted to herds needing extra trace mineral nutrition. Such herds may be involved in artificial insemination, embryo transfer or estrus synchronization programs or simply herd utilizing natural cover. This mineral is ideal for replacement heifers, young and mature cows, as well as current and future herd sires. Optimum intake is 6 to 8 oz per head daily. Maximum intake is 0.65 lb per head daily. Recommended feeding period is 60 days prior to calving through the end of breeding.

RangeLand HCP Stress Tub products contain little added salt, therefore, supplemental salt should be offered at all times.

### **Key Points**

1. RangeLand HCP Stress Tub can be offered any time forage quality is in question, or when a forage supplement is needed and a high level of vitamin and trace mineral supplementation is needed.
2. RangeLand HCP Stress Tub is formulated for use as a creep supplement, as a source of extra nutrition in starting programs, hospital pens and breeding herds.
3. RangeLand HCP Stress Tub provides supplemental protein, energy, vitamins, and trace minerals, economically.
4. Provides complexed and inorganic sources of copper, manganese, zinc and cobalt which are essential for proper re-breeding performance after calving or in 'health challenged' situations..
5. Ideal for feeding animals on dormant or other low quality forage (stock piled forage, crop residues, etc).
6. RangeLand HCP StressTubs are not designed for playing protein or energy catch-up or when forage is in short supply.
7. Physical characteristics and cooking technology control consumption without the need for non-nutritive additives