

The 7 Essential Trace Minerals

1 Iodine

- required for the proper functioning of the thyroid gland
- deficiencies may result in goiter

2 Cobalt

- required for adequate B-12 synthesis
- deficiencies may result in a lack of appetite and anemia

3 Manganese

- required for proper bone development, growth and reproduction
- a key component in carbohydrate metabolism
- deficiencies may result in reproductive disorders, reduced fertility, poor growth, weak bones and deformed legs

4 Iron

- essential for the proper functioning of every organ and tissue in the body
- plays a role in oxygen transport and the oxidative process
- deficiencies may result in anemia and decreased growth rate

5 Copper

- vital in the synthesis of hemoglobin and in proper bone formation
- helps maintain heart function and formation of connective tissues
- deficiencies may result in reduced appetite, stunted growth, anemia, suppressed immune system, rough hair coat, depigmentation and sudden death

6 Zinc

- required for metabolism of protein and carbohydrates
- essential for proper growth, development and sexual maturity
- aids in wound healing, tissue repair and skeletal development
- deficiencies may result in joint stiffness, an undesirable appearance and poor fertility
- deficiencies may also cause the soft tissue in hooves to be more susceptible to infection

7 Selenium

- required for the normal development of the pancreas and to maintain the integrity of cell membranes
- plays a critical role in increasing the immune response
- deficiencies may result in white muscle disease (weak heart muscle), heart failure, paralysis, reduced resistance to disease, lower birth rates, weak and stillborn calves



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Family of Livestock Salts

Iodized | Cobalt Iodized
Trace Mineralized | TM-Se
TM Hi-Boot | Fortified TM with Selenium
Hi-Se Blend Fortified TM



Why Trace Mineral* Salt for Animals?

A: The purpose of the animal's immune system is to render harmless foreign agents which may be bacteria, virus or noninfectious entities such as chemicals or toxins. Trace Mineral deficiencies occur all too frequently. When they do, the animal grows at a reduced rate, uses its feed less efficiently and operates with a depressed immune system. The end result is inefficient production and low profitability. To maximize immune functions, Trace Minerals must be provided on a regular basis. Because many of the Trace Mineral compounds are unpalatable in the pure form, providing a delivery method that ensures the proper intake on a regular basis is essential. Trace Mineral salt has proven to be the safest, most effective delivery method.



*Trace Mineral referred to as TM in this brochure.

	Product	Format	Code	Description	Colour	Guaranteed Analysis			
Iodized	Plain Stock Salt	20 kg Block	0701	Fine granulated salt produced in the vacuum pan evaporating system is pressed into 20 kg blocks or 2 kg licks suitable for outdoor range feeding to cattle.	White	Salt (NaCl)	minimum	99.0%	
	Iodized Stock Salt	20 kg Block 25 kg Bag	0702 0954	Uniformly blended with granulated salt with trace mineral iodine to provide the necessary nutrient iodine in the diet of cattle and sheep.	Red	Salt (NaCl)	minimum	99.0%	
	Cobalt Iodized Stock Salt	20 kg Block 25 kg Bag 10/2 kg Licks	0703 0956 0603	Uniformly blends granulated salt with trace mineral iodine and cobalt to provide necessary nutrients in the diet of cattle and sheep. Cobalt is an integral part of the vitamin B-12 molecule and a deficiency in cobalt results in a deficiency of this vitamin in the diet.	Blue	Salt (NaCl)	minimum	EAST	WEST
Low Level TM Supplement	T-M Trace Mineralized Stock Salt	20 kg Block 25 kg Bag 10/2 kg Licks	0705 0957 0605	Formulated to provide zinc, iron, manganese, copper, iodine and cobalt, uniformly blended with granulated salt for free choice feeding to cattle and sheep. TM mixed with salt provides good intake control and the mix is designed to satisfy the animal's need for trace minerals when its salt needs are satisfied.	Red Brown	Salt (NaCl)	minimum	96.5%	
	T-M SE Trace Mineralized Salt with Selenium for Cattle and Sheep	25 kg Bag	0960	Formulated to provide zinc, iron, manganese, copper, iodine, cobalt and selenium, uniformly blended with granulated salt for free choice feeding to cattle and sheep.	Yellow	Salt (NaCl)	minimum	96.5%	
Hi Level TM Supplement	TM Hi-Boot High Copper Zinc Trace Mineralized Salt for Cattle and Horses	20 kg Block 25 kg Bag	0962 0961 0962 0961	Formulated to provide zinc, iron, manganese, copper, iodine and cobalt, uniformly blended with granulated salt for free choice feeding to cattle and horses in areas with particular deficiencies in copper, manganese and zinc. At a free choice intake of 30 grams per day, this salt will provide 40-60% of the trace minerals required in your animal's diet.	Dark Brown	Salt (NaCl)	minimum	EAST	WEST
	TM with Selenium Fortified TM Salt with Selenium for Beef Cattle	20 kg Block	0727	Uniformly blended with granulated salt to provide zinc, iron, manganese, copper, iodine, cobalt and selenium for free choice feeding to cattle and horses in areas with those particular deficiencies. It also contains the other trace element nutrients at normal recommended levels.	Orange Brown	Salt (NaCl)	minimum	96.5%	
	Hi-Se Blend Fortified Trace Mineralized Salt with Selenium for Cattle	25 kg Bag	7056	A high-strength stock salt formulated to provide your cattle with the recommended nutritional intake of all the essential trace minerals. Hi-Se Blend is uniformly blended with granulated salt for free choice feeding to cattle in areas of Western Canada with low selenium levels in feedstocks. The proper use of Hi-Se Blend will mean maximum weight gain, maximum fertility and healthier, disease-resistant animals. The best possible return on your investment.	Brown Black	Salt (NaCl)	minimum	95.5%	
						For use in areas where selenium supplementation is not necessary.			
						Salt (NaCl)	minimum	96.5%	
						Zinc (Zn)	actual	7500 mg/kg	12000 mg/kg
						Manganese (Mn)	actual	5000 mg/kg	10000 mg/kg
						Copper (Cu)	actual	2500 mg/kg	4000 mg/kg
						Iron (Fe)	actual	1600 mg/kg	1600 mg/kg
						Iodine (I)	actual	70 mg/kg	200 mg/kg
						Cobalt (Co)	actual	40 mg/kg	60 mg/kg
						Salt (NaCl)	minimum	95.5%	
						Zinc (Zn)	actual	12000 mg/kg	
						Manganese (Mn)	actual	10000 mg/kg	
						Copper (Cu)	actual	4000 mg/kg	
						Iron (Fe)	actual	1600 mg/kg	
						Selenium (Se)	actual	120 mg/kg	
						Iodine (I)	actual	200 mg/kg	
						Selenium (Se)	actual	120 mg/kg	
						Cobalt (Co)	actual	60 mg/kg	