

A finer approach to minerals

We manufacture our own mineralized licks, so we know what goes into them. No shortcuts here.

Dairy XM, Dairy XM Plus and Multi-Mineral Xtra licks are carefully formulated to immediately address mineral deficiencies.

A cost effective and proven way to enhance animal condition.



mainland minerals

working with nature for better results

MINERALISED SALT LICKS

for Cattle, Sheep, Horses, Goats & Deer



Dairy XM	Dairy XM Plus	Multi-Mineral Xtra
	mineralized salt licks in 25 kg bags for	
dairy animals	dairy animals with extra copper, zinc and iodine	sheep and beef animals
	Per ton (40 bags)	
\$940.00	\$986.40	\$908.40
	Per half ton (20 bags)	
\$521.80	\$532.80	\$493.80
	Per single bag	
\$ 28.78	\$ 29.65	\$ 26.78
	Plus GST ex Timaru	

www.mainlandminerals.co.nz
126 Meadows Road,
Washdyke, Timaru

0800 222 203
or e-mail
timaru@mainmin.co.nz

See inside for details on formulation and animal health information.

Available nationwide
FOR MORE INFORMATION PHONE
0800 222 203

Why use a mineralized salt lick?




- ✓ Minerals are essential for animal health and superior performance, including disease resistance, fertility, milk production, weight gain and skeletal development.
- ✓ The principal purpose of a mineralized lick is to act as a nutritional buffer between an animal and its feed.
- ✓ Mineralised licks are designed to compensate for an inherent or seasonal lack of certain minerals, as well as for the frequent and sometimes rapid changes that occur in pasture mineral levels.
- ✓ Mineralised licks from Mainland Minerals are palatable to livestock and provide a formulated balance of certain major and trace elements.
- ✓ Mainland Minerals' licks are proven to enhance livestock condition.

Points to remember




- Minerals should be in balance in the total diet.
- Animal mineral requirements depend on age, growth rates and production.
- An excess of certain minerals can cause as many problems as a deficiency.
- Symptoms of mineral deficiencies are often not specific for any one mineral. For example, ill-thrift, a rough hair coat or bone problems may result from a deficiency in any one of several minerals.
- Mineral deficiencies or excesses are not the only cause of performance problems in livestock.
- Although a mineral deficiency may induce a specific symptom, more common effects tend to be lower growth, lower milk production or reduced conception and birth rates.

COMPOSITION OF LICKS AND MINERAL FUNCTION

Mineral Concentrations (on % DM basis)

Dairy XM	Multi Mineral Extra	
 10.0%	 9.0%	 CALCIUM (Ca) Role: essential for sound bone growth and teeth. Required for proper function of heart, and of nervous and muscular systems. An important constituent of blood. Deficiency symptoms may include: poor bone growth, poor teeth, arthritis, milk fever, depressed appetite, low milk production, mastitis.
0.45%	0.45%	PHOSPHORUS (P) Role: essential for healthy animal growth, sound bone growth and teeth. Required in protein building, for the assimilation of carbohydrates and fats, and for enzyme activity. An important constituent of blood. Acts as a buffer in saliva and blood. Calcium and phosphorus constitute a major part of the mineral matter in tissues and some 90% of minerals. Deficiency symptoms may include: slow growth, bone problems, bone chewing, rickets, depressed appetite, ill-thrift, low milk production, fertility problems.
5.4%	1.3%	MAGNESIUM (Mg) Role: essential for nerve and muscle activity, sound bone growth and maintenance, and for proper functioning of enzyme systems. Deficiency symptoms may include: tetanies, staggering, nervous behaviour, uneven bone growth, arthritis, low milk production, mastitis.
13.1%	15.8%	SODIUM (Na) Role: protects the body against excessive dehydration. Sodium, with potassium, is a cell regulating element and is involved in the animal's metabolic function, including acid-base balance in blood and saliva. Aids in balancing excess potassium problems. Deficiency symptoms may include: salt craving, weight loss, ill-thrift, depressed appetite, low milk production.
2.0%	1.2%	IRON (Fe) Role: essential for health of red blood cells. Required for oxygen transport to body cells. Aids in cell development and in preventing anaemia. Deficiency symptoms may include: anaemia, depressed appetite, listlessness.
0.53%	0.53%	MANGANESE (Mn) Role: essential as component in enzyme systems and for central nervous system function. Required for bone growth, protein digestion and reproduction. Deficiency symptoms may include: bone abnormalities, weak joints, lameness, fertility problems.

Mineral Concentrations (on % DM basis)

Dairy XM	Multi Mineral Extra	
 0.63%	 0.50%	 COPPER (Cu) Role: essential for optimum animal health and performance, and disease resistance. Required for iron metabolism and is a key component in the activation of enzyme systems. Deficiency symptoms may include: swayback, poor coat colour, steely wool, scouring, anaemia, ill-thrift, fertility problems, low growth rates, susceptibility to foot problems, bone problems, depressed immune system.
0.58%	0.46%	ZINC (Zn) Role: essential for healthy reproductive and immune systems, healthy skin and hair coat. Aids in promotion of normal growth. Essential component of many enzyme systems. Deficiency symptoms may include: skin problems, rough hair coat, fertility problems, low disease resistance, susceptibility to foot problems, depressed appetite, poor growth.
0.02%	0.01%	IODINE (I) Role: essential for health of thyroid gland which controls health of other body glands. Important in regulating metabolism rate and immune response. Promotes hair growth and general thrift. Deficiency symptoms may include: enlarged thyroid gland, ill-thrift, poor hair coat, fertility problems, low milk production, mastitis, increased foot rot, low lamb survival, weakened immune response.
0.004%	0.004%	COBALT (Co) Role: essential for production of vitamin B12 in the rumen. Required for healthy bone development, healthy blood formation, protein and energy metabolism. Deficiency symptoms may include: depressed appetite, anaemia, poor bone growth, wasting, ill-thrift, rough hair coat, fertility problems.
3ppm	3ppm	SELENIUM (Se) Role: important for fertility, healthy muscles, disease resistance. Functions in association with vitamin E. Deficiency symptoms may include: white muscle disease, muscular stiffness and wasting, slow growth, weakened immune system, ill-thrift, fertility problems, low lamb survival.

Also available as Dairy XM Plus
With extra Copper, Zinc and Iodine