



QLF Ignite Mineral Supplement selection offers highly palatable supplements that are formulated with minerals and vitamins to fit the needs of your livestock. Mineral and vitamins play key roles in all areas of livestock production, including reproduction, herd health and growth performance. QLF supplements are convenient and easy-to-use to ensure your livestock are getting what they need, when they need it.

IMPORTANCE OF TRACE MINERAL NUTRITION:

Minerals play a significant role in maintaining herd health, reproductive efficiency, and calf performance. At least 17 minerals are required by beef cattle. These minerals are broken into 2 groups; macro and micro minerals. Macro minerals required are calcium (Ca), phosphorus (P), magnesium (Mg), potassium (K), sulfur (S), and the components of salt – sodium and chloride. Macro minerals are expressed as a percentage in a supplement. Micro minerals required are chromium (Cr), cobalt (Co), copper (Cu), iodine (I), iron (Fe), manganese (Mn), selenium (Se) and zinc (Zn). Micro minerals are required in smaller quantities and listed as parts per million in the supplement. Each of the required minerals are involved in multiple physiological functions shown below. (NRC, 2000) Mineral deficiencies, toxicities and imbalances have been associated with depressed immune responses, decreased conception rates, abortion, reduced milk and colostrum yield, and decreased feed efficiency (NRC, 2000).

Function	Mineral
Fertility	P, Cu, Zn, Se, Mn
Bone Development	Ca, P, Mg, Mn, Cu
Muscle Development	P, S, Zn, Se
Milk Production	Ca, P, Mg, Zn
Skin Health	Zn, Cu, Mn
Hair Coat	Cu, Zn, Se
Appetite	Mg, K, Zn, Co
Nervous System	Mg, P, Cu
Fetal Development	Cu, Zn, Mn, Se
Disease Resistance	Cu, Zn, Mn, Se

NRC, 2000



Mineral Supplement Nutrient Summary

Ignite Supplements are available in 60 lb, 125 lb, 200 lb and 250 lb containers

QLF Ignite Mineral Supplements	Protein %	NPN %	Fat %	Calcium %	Phosphorus %	Magnesium %	Copper, PPM	Manganese, PPM	Selenium, PPM	Zinc, PPM	Vitamin A IU/lb	Vitamin D IU/lb	Vitamin E IU/lb	Additives
Ignite Mineral	4	0	4	6	4	1	750	1,900	9	2,650	200,000	20,000	200	
Ignite Hi Mag Mineral	4	0	4	6	4	4	900	1,700	8	3,400	200,000	20,000	200	Zinpro Availa®4
Ignite Fescue Mineral	4	0	4	5	4	1	750	1,900	9	2,650	200,000	20,000	200	Tasco
Ignite Mineral Plus	4	0	4	6	4	1	750	1,900	9	2,650	200,000	20,000	200	Zinpro Availa®4
Ignite CowMax Mineral	4	0	4	5	4	1	750	1,900	9	2,650	200,000	20,000	800	Zinpro Availa®4 Celmanax
Ignite Stress Mineral	4	0	4	5	4	1	750	1,900	9	2,650	200,000	20,000	1,000	Zinpro Availa®4 Celmanax
Ignite IGR Mineral	4	0	4	6	4	1	750	1,900	9	2,650	200,000	20,000	200	Altosid-IGR
Ignite IGR HI Mag Mineral	4	0	4	6	4	4	900	1,700	8	3,400	200,000	20,000	200	Altosid-IGR
Ignite IGR Fescue Mineral	4	0	4	5	4	1	750	1,900	9	2,650	200,000	20,000	200	Tasco Altosid-IGR
Ignite IGR Mineral Plus	4	0	4	6	4	1	750	1900	9	2,650	200,000	20,000	200	Zinpro Availa®4 Altosid-IGR




IMPROVE PASTURE UTILIZATION:

QLF Ignite mineral supplements help livestock utilize and move to unfavorable areas within a pasture. Ignite supplements can be placed in selected underused areas of a pasture, specifically drawing cattle to these potential grazing locations. As these supplements are strategically moved during a grazing season, cattle will be forced to shift their routine travel patterns. This reduces the likelihood of overgrazing or developing bare spots, which may be prone to erosion or weed infestation.

CONSUMPTION:

Placing one 200 pound supplement for every 20-30 head of livestock is important to reduce over-consumption. Adequate salt and fresh, clean water should be provided at all times. Consumption may vary depending on size of animals, health status, weather conditions, and quality of available forages.



ADDITIVE	DESCRIPTION	IGNITE MINERAL SUPPLEMENTS
AVAILA® 4 	Zinpro Performance Minerals provide highly available sources of zinc, copper, manganese, and cobalt, all of which are important for optimizing growth and health.	<ul style="list-style-type: none"> • Ignite Mineral Plus • Ignite Hi Mag Mineral • Ignite IGR Hi Mag Mineral • Ignite CowMax Mineral • Ignite Stress Mineral • Ignite IGR Mineral Plus
ALTOSID-IGR® 	Altosid IGR controls horn flies by interrupting their life cycle. <ul style="list-style-type: none"> • Works in the manure of treated animals • Prevents horn flies from maturing 	<ul style="list-style-type: none"> • Ignite IGR Mineral • Ignite IGR Fescue Mineral • Ignite IGR Hi Mag Mineral • Ignite IGR Mineral Plus
CELMANAX® 	Celmanax combines the power of these effective components <ul style="list-style-type: none"> • Yeast Culture • Mos and Mannose • Beta-glucan • Galactosamine 	<ul style="list-style-type: none"> • Ignite Stress Mineral • Ignite CowMax Mineral

Low Moisture Block Management Tips - While blocks can free the producer from daily supplement delivery tasks, they do not eliminate the need for feeding management. Successful use hinges on proper placement, maintenance, and monitoring.

- Provide adequate available forages and energy at all times. Do not feed free choice to empty, energy starved cattle or other hungry livestock.
- Provide unlimited fresh, clean water. Once livestock are familiar with block, place block away from water supply and away from where animals congregate.
- In areas with extreme heat, place blocks in the shade.
- Intake of these supplements will vary, depending on the quality of forages, pasture conditions and/or nutritional need.

Quality Liquid Feeds, Inc. (QLF) has been a pioneer and leader in the liquid feed supplement arena since 1977, offering customers consistent, scientifically-formulated feeds for a wide range of animals diets, and environment. Now QLF brings their nutrition expertise to Low Moisture Blocks (LMB).



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Discover the Ignite Advantage
MINERAL Supplements