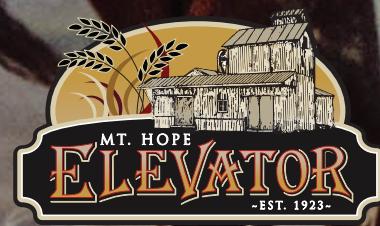




# Equine Nutrition Seminar



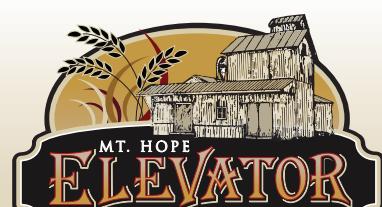
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## MB 12 Designed Especially for Performance in Hind Gut

- 4 Different types of **Bacillus**
- 2 types **Lactobacillus-A4000h and A2020**
- **Plus many Enzymes, all in one package!**

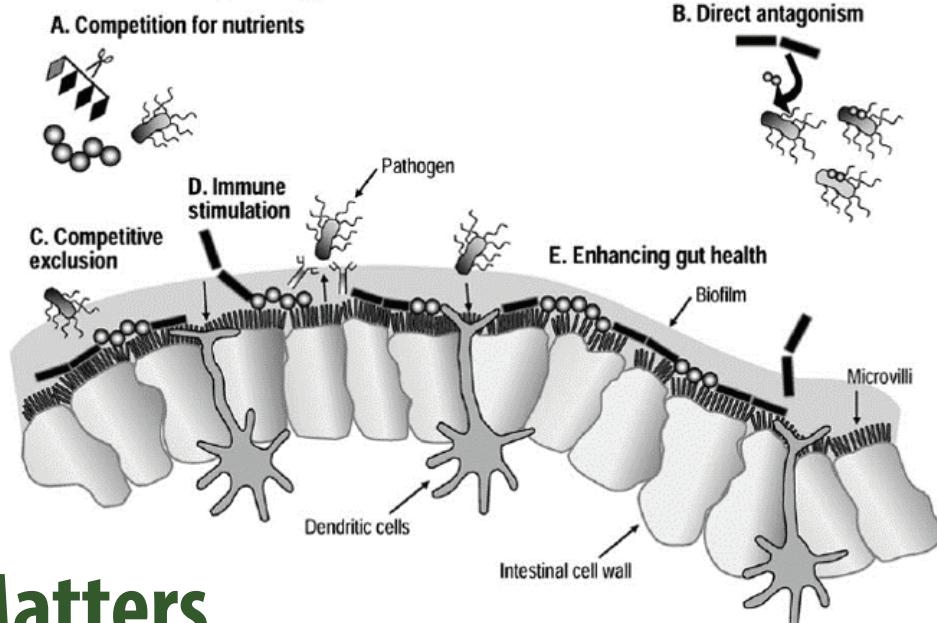
These Probiotics play a role and are strong in the following list:

- Survives Bile/Hydrochloric acid
- Tolerates Acid conditions
- Survives in hot environments
- Survives even if it gets wet
- Colonizes in hind gut
- Spore forming
- Multiple species of live bacteria
- Enzyme producing bacterias
- Helps digest feed stuff
- Peptide producing = improved immune systems, kills the bad bacteria
- Cleans hind gut/villi for better nutrient absorption

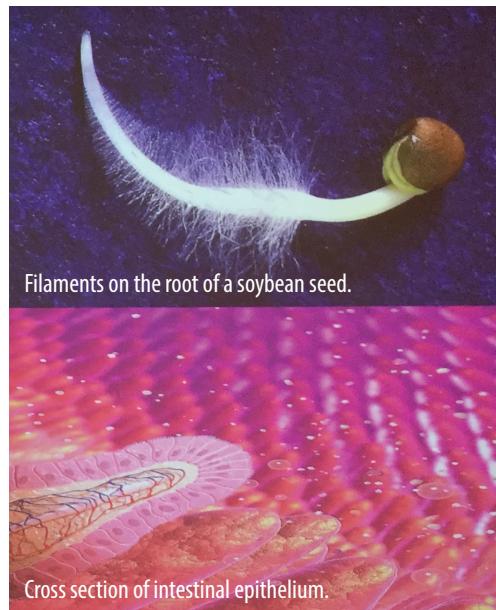
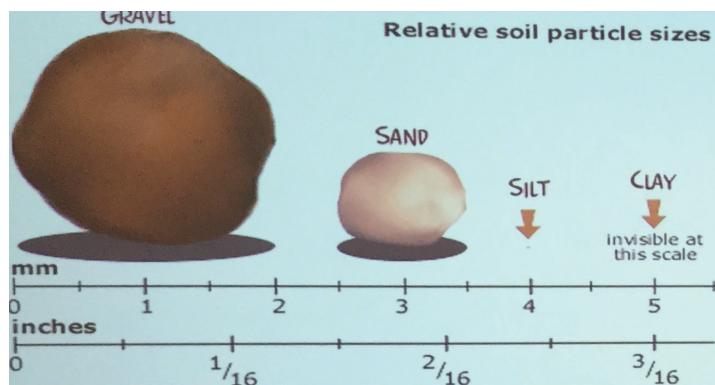


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## Exclusion of pathogens



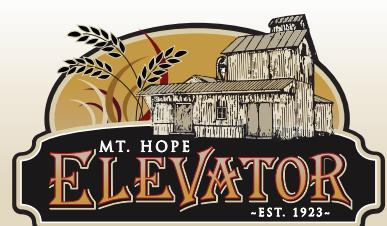
## Size Matters



**Sand**

Silt

- Clay



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## Minerals, the Universe, and You

What are minerals anyway? Minerals are nothing more than elements—the very same elements that grace the periodic table inside a high school chemistry text book like chromium, magnesium, iron, zinc, and so on. They are the elements that comprise the entire universe, this earth, and everything on it, including you. Your animal is truly a masterpiece formed from these same elements. As such, it is important to constantly replenish your animals with the elements they expend on a daily basis.

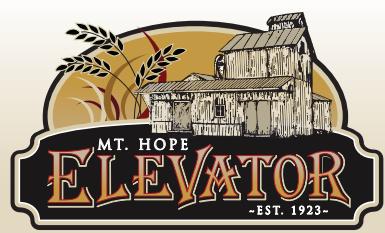
Chemical and electrical processes are occurring within your animal at every moment. These processes can only function correctly if the proper balance of minerals is continually being supplied to their system. Iron for their blood, sulfur for their muscles, calcium for their bones, and an aggregation of many other elements in balanced trace amounts help to ensure the proper function of your animals.

## What Are Ions?

An ion is a mineral or element that has a positive or negative charge. On the molecular level, that means the element has either too many or too few electrons. This unstable ionic state allows the element to bond readily with water, making it possible for the body to absorb it. In this state, an element has specific positive or negative electrical signatures that cause a dynamic equilibrium to take place. The body can then facilitate changes to move nutrients to the areas that need them.

## What Are Trace Minerals?

You may collect silver coins, wear a platinum ring, or have a gold filling. You've likely sipped tea poured from a copper kettle, eaten a cookie from a fancy tin container, or traveled on an airplane made of titanium. But did you know that these elements and many others—in very small, balanced trace amounts—are critical to your animal's health? Although trace minerals are no longer as plentiful in the foods they eat, they exist plentifully in their proper proportions in the mineral-rich waters of the earth's oceans and land mines.



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## The Stripping of Mother Earth

Traditionally, eating fresh grains, grasses and forages grown in nutrient-rich soil has been the primary supply for a full spectrum of ionic minerals. Unfortunately in today's world, naturally occurring, nutrient-rich soil is becoming increasingly rare. Eons of vegetation growth and aggressive modern farming techniques have brought many of the earth's minerals to the surface where they have been washed away.

Synthesized fertilizers are routinely applied to farms and fields where minerals have been depleted. But man-made fertilizers provide only enough mineral substance to support basic plant life. Numerous trace minerals essential to animal life don't get replenished.

## Where Have All the Minerals Gone?

Many of the trace elements once abundant in soil have been washed into the oceans. In the oceans and in certain mines around the world, they are found in their proper proportions—the same basic proportions that are found in healthy animal bodies.

In a few surviving areas such as the Great Salt Lake and a few other areas of North America, these essential elements exist in highly concentrated, salubrious proportions. This healthy, intricately balanced proportion of minerals and trace elements found in sea water is beneficial to the animal body.

Today, these life-sustaining sea waters and mines contain all of the minerals and elements necessary to support animal life. Most importantly, these minerals and elements are ionic and in perfect balance—prime for being absorbed into the cells of your animal.

## The Importance of Ionic Minerals

Every second of every day your animals rely on ionic minerals and trace minerals to conduct and generate billions of tiny electrical impulses. Without these impulses, not a single muscle, including their heart, would be able to function. Their brain would not function and the cells would not be able to use osmosis to balance your water pressure and absorb nutrients. To ensure you are getting the ionic minerals and electrolytes their body needs, only choose ionic mineral supplements or supplements that contain ionic minerals.

**"Experts estimate 90 percent of animals  
suffer from mineral imbalance and deficiency."**



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## Key Role of Absorption

The absorption of minerals primarily takes place within the small intestines. As food matter passes through the intestines, minerals transfer into the blood stream through the walls of the intestines by way of the villi. This can only happen if the minerals are in an ionic form. Although stomach acid helps ionize the minerals in foods, a mineral supplement should contain already naturally ionized minerals to be fully absorbed. “Trace minerals do not exist by themselves but in relationship to one another. Too much of one trace element can lead to imbalances in others...Most trace elements need to be in ionic form to be well absorbed in the intestine.” — Alexander G. Schauss, Ph.D.

## What Can You Do?

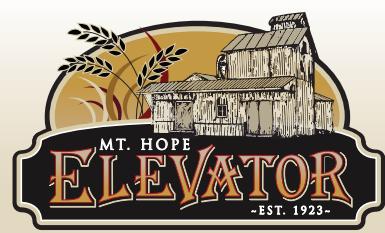
You can start by making sure you’re getting enough minerals in your animals diet. Right? Feed organic or non-GMO grown grains and forages. In addition, feed a multivitamin or mineral supplement. That’s a good start, but even those measures are likely to leave your animal wanting for a full spectrum of properly proportioned, readily available ionic minerals and trace minerals.

## That's Where We Can Help

For over 10 years, Natural Way Minerals has been dedicated to combating the growing problem of mineral deficiency and imbalance in modern farms. By harvesting the health-promoting ionic minerals found in the Great Salt Lake and other mines and making them available to the general public, we are committed to being the immutable source for the minerals necessary to maintain proper animal health.

Today, Natural Way Minerals offers many different health promoting products that contain premier ionic mineral mixtures produced from the waters of the Great Salt Lake and various other mines. Over the years, thousands of people who lacked essential trace elements.

**Experience the Difference Ionic Trace Mineral Complexes Can Make Today!**



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## MAINTENANCE

Feed Hybrix Equine; Young stock /pony 2 oz.,Light horse 3 oz.,Over 1200 lb. 4 oz.

## MAINTENANCE/BREEDING

Feed Horse Glo;Young stock/ponies 1/2~1 oz., Adults 1 oz., Over 1200lb. or performance/brood 2 oz.

## CONCEPTION/STALLION

Feed Hybrix Equine Breeder Pak; per day,1 oz. For best results feed 2 Vita-min liq and 2 oz. Knock Out as a total package 2-3 months prior to season.

## FITTING/SHOW

Feed Hybrix Equine Show; Young stock/pony 1/2~1oz., Light horse 1~2 oz.

For best results you feed 2~4 oz. Knock Out and 2 oz. Mineral Balacer.[Optional]

## LAMENESS/MUSCLE/JOINTS

Feed Hybrix Equine Joint; Young stock/pony 1/2 oz., Adults 1 oz.

For best results you feed 2 oz. Mineral Balancer with this.Injuries add 2~4 oz.VitaminLiq

## HOOF PROBLEMS

Feed Hybrix Equine Hoof; Young stock/pony 1/4~1/2 oz., Adults 1/2~1 oz.

ALL FEED RATES NEED TO SPLIT IN 1/2,FED EVERY 12 HOURS

## FREE CHOICE

Feed Mineral Balancer or Hybrix Free Choice yr. round,no additional salt required

## NEWBORN FOALS

Give 1 tube Equi-Start immediately and 1 tube 12 hrs later.Weak foals may be given tube every 4-6 hrs until symptoms improve.

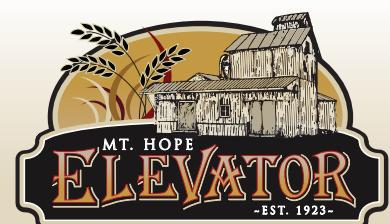
## COLIC/SICK

Adults, Give 1 Tube Knock Out Conc. Every 2-4 hours.Young stock/pony adjust according to weight.For best results give 2~3 oz Vit-Min Liq with every treatment.

## STRESS

Give 1 tube Knock Out Conc.2 times daily till symptoms improve.

Knock Out may also be used as a substitute at 3-4 oz.every 4 hours.



## FOUNDER

If you can catch it before 12 hours, give 2 tubes Knock Out Extreme and 4 oz. Vita Min Liq twice a day for 3 days. If after 24 hours give 1 oz. Vita min Liq per 100lb. body weight twice a day, no more than 10 oz. Give 3-4 oz. then wait 5 minutes and give the rest. Also give 4 oz. Knock Out 2x per day. Continue this for 3 days, then go to 1 oz. Knock Out and 4 oz. Vita Min Liq 2x per day for 10 days. Also give 5 oz. Mineral Balancer and 5 oz. Hybrix Equine daily.

## ULCERS

“Eat but don’t want to eat grain” Banamine 20 cc once a day. 3 oz. Knock Out 2x per day. 1 oz. Horse Glo 2x per day. Do all of these for 3 days, then continue with 1 oz. Knock Out 2x per day for 60 days.

## MARES THAT WONT SETTLE

Give 3 oz. Knock Out 2x per day for 3 days, then go to 1 oz. 2x per day for 30 days. Do this for 3 weeks prior to breeding. Also feed 1 oz. Hybrix Equine Breeder Pak 2x per day for 1-2 months prior to breeding.

## PROBLEM FOALING

3 oz. Knock Out 2x per day for 3 days prior to foaling.

## NERVOUS or HIGH STRUNG

2 oz. Knock Out 2x per day for 3 days, then 1 oz. Knock Out 2x per day for 30 days.

## SHIPPING FEVER

1 tube Knock Out Extreme every 4 hrs for 3 treatments.

## RETAINED PLACENTA

Flush with ; 1/2 gallon distilled water, 10 cc Genocyte, 4 oz. baking soda. Also give 2 cc Oxytocin in muscle every 4 hrs for 2 or 3 days.

## STRANGLES

2 oz. Vita Min Liq and 2 oz. Knock Out 2x per day for 3 days. Then continue 1 oz. 2x /day for 30 days.

## DIARRHEA

2 oz. Knock Out and 2 oz. Vit Min Liq 2x per day for 3 days. Also feed 4 oz Mineral Balancer per day.

## HEAVES/CHRONIC COUGH

Mix 1/3 of each; Mule Team Borax, Wood Ashes, Mineral Balancer. Give 3 oz, 2x per day. Also feed 2 oz. Mineral Balancer 2x per day.

## RING WORM/THRUSH/EAR INFECTIONS

3 oz. Hybrix Equine 2x per day. Also spray Purinize water on scab or wound.

## NICKS/BRUISES

Spray on M and J Healing Wonder, then rub Absorbine over M and J.

Also feed 3 oz. Mineral Balancer 2x per day. Apply Knock Out directly to wound daily.

