

WHAT IS DYNA-MIN™?

Dyna-Min™ might best be described as being a "Bouillon Cube" of natural elements, mostly minerals, that are biologically available, having been hydrothermally altered and deposited by nature in a unique colloid. Dyna-Min™ acts as a catalyst in the digestive tract promoting better and faster assimilation of nutrients. Extensive research by various universities, independent laboratories, government agencies and field trials have proposed several theories as to how Dyna-Min™ performs. One is that the mineral carries a highly negative ion charge; another is the idea that the bio-availability of the trace minerals is very high; yet another concept observed is the physical phenomena associated with digestion.

TRACE ELEMENTS, ENZYMES AND PROTEINS

Dyna-Min™ is an active colloid containing trace minerals in readily available form. Its microcrystals are extremely fine grained and thin layered and are not tightly bound to one another so water, numerous elements and organic matter can enter the spaces between the layers. Active colloids act as catalysts where amino acids (the building blocks of protein) form into longer chains called polypeptides on the surface of the colloid crystals initiating the synthesis or formation of useable protein in the animal. The chemical activities in all living cells are sustained by enzymes and all enzymes without exception are proteins which can only be activated by trace elements which are found in Dyna-Min™. Movement of nutrients to the cells, removal of toxins from the cells and all enzymes and hormones are dependent on active transport of ions across cell membranes.



DYNA-MIN™ IS UNIQUE!

Animal and laboratory research has demonstrated that not all colloids are the same! Although many colloidal minerals are similar in chemical (spectrographic) analysis, their effect on living tissue is varied. In the formation of Dyna-Min™ water entered the fissures of the earth and came to the surface at a very high temperature. The bubbling mud completely fragmented and hydrolized the parent material. This long exposure to heat from both geothermal activity and the desert sun resulted in the formation of abundant groups of negative ions. These ions are free to move through the metabolic pathways



that eventually nourish the cell. Sedimentary deposits have not gone through the ionic breakdown and are not in the crystalline form and are not rich in negative ions. This probably explains why wild animals instinctively seek out mineral deposits (so-called "salt licks") that have been fragmented through hydro thermic activity over deposits created through sedimentation.

RESEARCH PROVES RESULTS

An exhaustive amount of research has been done on Dyna-Min™ by independent laboratories, U.S. government agencies, major universities and field trials spanning over 30 years.

- Investigations for the NASA Manned Spacecraft Center contain unquestionable results. Evidence was obtained showing that the Dyna-Min™ supplemented group of laboratory animals benefited from some factor which improved calcium utilization and bone formation as well as promoting increases in weight and reduction in tooth cavities.
- Extensive studies by Biotic Research Labs shows that cattle and horses fed Dyna-Min™ produced higher levels of digestive enzymes and had lower levels of internal

parasites than controls. These studies also proved that Dyna-Min™ was free of any contaminants and is totally non-toxic.

- At the University of California-Davis, cattle fed rations containing 2% - 4% Dyna-Min™ in a growing ration required an average of 10% less dry matter per pound of empty body weight gained.



- Texas A&M University trials found that laying hens gained more body weight and had better feed efficiency. This research also revealed a significant reduction of moisture in droppings.
- The U.S. Fish and Wildlife Service discovered that trout supplemented with Dyna-Min™ grew 14% larger on 20% less feed than the controls.
- Energy '80 Scientific of California tested Dyna-Min's™ water purifying capability and demonstrated that Dyna-Min™ added to water that was highly contaminated with E. coli bacteria reduced the coliform count by as much as 80%!
- Numerous field trials by livestock producers have demonstrated repeatedly that their animals have been healthier and more productive on less feed, medication and supplements subsequently increasing net profits to producers. (eg. improved Hoof Condition, reduced Somatic Cell, lower M.U. N., reduced Acidosis, better Reproduction, improved Feed Conversion, etc.)



**AGRI·
DYNAMICS**

Dyna-Min™ is an excellent anti-stress supplement that will do wonders for: beef cattle, dairy cows, pigs, poultry, horses, sheep, goats, dog kennels and fish hatcheries.

Let Dyna-Min™ start working for you by fortifying your livestock's feed with this proven product. There's no other quite like it!

DYNA-MIN™ TYPICAL ANALYSIS (Partial)

Silicon Dioxide	50%
Aluminum Oxide	13%
Calcium	3.7%
Iron	2.7%
Magnesium	2.5%
Potassium	1.5%
Sodium	.39%
Phosphorus	.14%
Titanium	800 ppm
Manganese	600 ppm
Strontium	500 ppm
Zirconium	150 ppm
Lithium	140 ppm
Rubidium	140 ppm
Boron	100 ppm
Zinc	80 ppm
Vanadium	40 ppm
Chromium	25 ppm
Copper	25 ppm
Yttrium	23 ppm
Nickel	19 ppm
Cobalt	11 ppm
Gallium	6 ppm
Cesium	5 ppm
Scandium	4 ppm
Tin	1.5 ppm
Molybdenum	.30 ppm
+ over 30 additional trace elements	

UNDERSTANDING ALUMINUM

The aluminum present in Dyna-Min™ is an alumina-silicate, the third most common element (following silica and iron) that is naturally occurring in soils. It is **NOT** toxic aluminum sulphate or aluminum chloride. Soils typically contain 5,000-80,000 ppm of alumina-silicate and grazing animals normally consume 10% of their diet as soil! Additionally, livestock graze pastures that typically contain up to 200 ppm of aluminum. Yet, animals absorb very little of this dietary aluminum and the majority of that is readily excreted in urine. Acid (low pH) soils can provide considerably more aluminum in forages.

DYNA-MIN™ CONTAINS NATURALLY OCCURRING ALUMINA-SILICATE AND NUMEROUS OTHER MINERALS IN AN ALKALINE pH AND THUS PRESENTS NO DANGER OF ALUMINUM TOXICITY TO LIVESTOCK.

DIRECTIONS

Steers: 4 oz. per head per day
 Calves: 1 tsp. twice daily
 Cows: 4 oz. per head per day
 Poultry: 1-2.5% of the ration
 Swine
 Sows: 1-2% of the ration or
 Gilts: 1 oz. per head per day
 Feeders: 1-2 oz. per head per day
 Mature Horses: 2-4 oz. per head per day
 Also, free choice to all livestock in addition to or instead of force feeding.



Exclusively Distributed by:

Agri-Dynamics

PO Box 267 • Martins Creek, PA 18063

610-250-9280 • Fax 610-250-0935

Toll free 877-393-4484

www.agri-dynamics.com



"From the Dawn of Creation ..."

Introducing Geothermically Produced

DESERT DYNA-MIN™

ALL-Natural Researched and Proven Colloidal
& Ionic Trace Mineral Supplement for
all Livestock and Pets

Mined in the Imperial Valley Desert of California

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