

## GibMag

A Healthy Soil = Healthy Plants = Healthy Animals



### How GibMag Works

GibMag offers an excellent mix of calcium, magnesium, sulphate sulphur and beneficial soil bacteria and fungi at a price that is very affordable.

GibMag acts as a soil conditioner improving the structure of the soil and allows plant roots to penetrate further, giving resistance to short term drought situations. Improved soil structure also allows for improved soil aeration and quicker recovery time after heavy rain.

Trace elements along with other products can be added to this mix to enjoy the same biological release, giving the right ratios required for a healthy soil.



### What's in GibMag?

GibMag is a natural mix of mined minerals blended together to form an all-purpose fertiliser, delivered in a ratio consistent with that required for plant uptake.

- ✓ Calcium
- ✓ Magnesium
- ✓ Sulphate Sulphur
- ✓ Beneficial Soil Bacteria and Fungi

### The Benefits

- ✓ Greater soil storage capacity for nutrients and moisture.
- ✓ Stronger more vigorous plant growth.
- ✓ Improved disease resistance.
- ✓ Helps too release locked up phosphate in the soil.
- ✓ Delivery of magnesium and calcium in a ratio consistent with that required for plant uptake.
- ✓ Increases magnesium levels in clovers and grasses ensuring improved stock health and particularly effective in reducing the incident of calcium/magnesium related metabolic disorders and lactating animals.
- ✓ Delivers extra sulphur in soils, which already have adequate phosphate.

### Technical Notes

The rate of application for GibMag should be:  
200 - 400kg/ha

N	P	K	S	Ca	Mg
0	0	0	4.5	22	5

## The Underground Currency

Think of the soil in commercial terms for a minute. It's not as out there as you might think. Cation nutrients are the currency in which soil deals, and soil colloids are the traders. As a couple of American researchers put it, "the first order of business for soil colloid is to hold nutrients – nutrients that can be traded off as the roots of a plant demand them". Because soil colloids come from clay and organic matter, there are clay colloids and there are humus colloids. Both have been broken down as far as they will go.

## Build a Healthy Food Pyramid

The food chain is often described as a pyramid – or, more precisely, a "biotic pyramid".

Soil forms the base of the pyramid, plants are on the lower level, then plant-eating animals (herbivores), with animal-eating animals (carnivores) on the top level. If humans are included, they are placed at the very top.

The pyramid design shows very clearly that there are many species and individuals at the lower levels, and fewer at the higher levels of the food chain. The reason is that from one level to the next (when one organism eats or is fed by another), there is a certain amount of energy loss or wastage (food is stored energy). When we move from the plant realm to the animal realm, we are moving to the top of biotic pyramid. So, what affects animal (and human) health and nutrition? Are animals really that much different from plants? If you raise animals, or your family just wants to be healthy, you need to know something about animal and human nutrition.

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