

# PhosMag

## For Better Soils

# PhosMag - The right ratios for a healthy soil

## How PhosMag Works

RPR is the perfect, non acidic medium to bred bacteria and fungi and store them in dormant form until soil application stimulates awakening and population explosion, much like inoculating silage with lacto bacillus.

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.

**PhosMag** offers the very best combination of VitaLife Magnesium and Vitaphos in one mix.

## What's in PhosMag?

**PhosMag** is a special blend of fertiliser that incorporates key elements required for a healthy soil.

### Featuring:

- ✓ Reactive Phosphate Rock
- ✓ Sulphur
- ✓ Calcium
- ✓ Magnesium
- ✓ Beneficial Soil Bacteria and Fungi



## The Benefits

- ✓ Greater soil storage capacity for nutrients and moisture
- ✓ Stronger more vigorous plant growth
- ✓ Improved disease resistance
- ✓ More efficient use of soil phosphorus
- ✓ 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.
- ✓ Phosphate extends plants' roots and a constant supply gives maximum root systems to uplift water in drought and minimise root loss in cold and wet winters.

## Technical Notes

The rate of application for PhosMag should be:  
200 - 600kg/ha

N	P	K	S	Ca	Mg
0	6.5	0	6	16	6

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### You Reap what you Grow

Flower buds and flowers are prerequisites to the production of seeds or fruit by plants.

Tiny flower buds are actually formed long before they become obvious. In corn, for example, the cob and tassel buds form when the plant is only about knee high. In apple trees, the buds that will produce next year are formed this year.

The quantity and quality of fruit and seeds depends partly on the number and health of the flower buds – along with other factors such as weather, light, nutrients and pollination. Farmers clearly have no control over some of these, but they can certainly influence plant nutrition and health. Once again, this reinforces the importance of fertile soil.

### Soil—the core of our Survival

Soil is the absolute basis of agriculture – and, therefore, of human existence. We survive by eating plants grown in the soil, or by eating animals that eat plants grown in the soil.

Quite clearly, soil is our most important national resource. Wise use and management of the relatively thin upper layer, the topsoil, is crucial for us to maintain good health and a high standard of living.

But, because of misuse, a frightening large amount of topsoil is lost to erosion – well over 30 tonnes per hectare in some of the worst-affected areas. It can take several hundred years for a couple of centimetres of soil to form, so it's obvious we cannot keep losing our topsoil at this rate for much longer. To make things worse, some of our once-fertile soil, along with our groundwater and wells, is being polluted by toxic substances.

We are literally in danger of destroying the land that feeds us.

**Fertilizer New Zealand has a full range of conventional and BioGro Certified Products. Some solid and liquid products are:** BioGest for septic tanks, RPR fertilisers, VitaLife, VitaGest, VerteSea, VerteBlack, Actavize and Synerlogic fertiliser.

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