



# D<sub>3</sub> Calphos (Vet)

## Calcium, Phosphorus & Vitamin D<sub>3</sub>

**Composition:** Each 100 ml contains:

Calcium	: 1650 mg
Phosphorus	: 850 mg
Vitamin D <sub>3</sub>	: 8000 I.U.
Vitamin B <sub>12</sub>	: 100 mcg
Manganese	: 25 mg

There is always requirement of the additional supplementation of the important ingredients like Ca, P, Vitamin D<sub>3</sub> & B<sub>12</sub> etc for the maintenance of the general health of the growing animals as well as milking animals.

**D<sub>3</sub> Calphos (Vet)** is the source of these essential ingredients, which effectively helps to improve milk production in milch animals & helps to strengthen the skeletal structure in growing animals.

**Calcium (Ca) & Phosphorus (P):** The dairy cow is more likely to suffer from a lack of both calcium and phosphorus than from a lack of any other mineral. The high milk producing dairy cow is unable to obtain her calcium and phosphorus requirements from dietary sources in early lactation. Half of the dry mass of the skeleton and the teeth is made up of calcium and phosphorus in the ratio of approximately 2 to 1. Blood also contains these minerals i.e. about 10 mg of calcium and 15 mg of phosphorus in each 100 ml of blood. Milk contains approximately 9 g of Ca and 7 g of per litre. Although there is only a small amount of calcium (only 1% of the total calcium) in the soft tissues of animals, it is essential for blood clotting, control of the heartbeat, membrane permeability and as a co-factor in many enzymatic reactions. Phosphorus is a structural part of several body proteins, phospholipids and nucleic acids. It is implicated in carbohydrate metabolism, forming compounds with certain metabolic products. These phosphorus compounds take part in the storage and release of energy for muscular work and for maintaining body temperature.

**Vitamin D<sub>3</sub>:** Vitamin D<sub>3</sub> plays an important role in the regulation of calcium and phosphorus metabolism. Also vitamin D<sub>3</sub> plays important role in the mineralization of the skeletal tissue.

### Special Calcium Preparation for Livestock

**Vitamin B<sub>12</sub>:** It is required for the growth, especially for the hemoglobin & red blood cells formation and also for hepatic regeneration.

#### Manganese (Mn):

Manganese is associated with tissue respiration; deficiency of this mineral affects both growth and reproduction. Manganese stabilizes calcium and phosphorus metabolism and therefore it has an influence on bone formation. It also affects the function of the endocrine organs, enhances fat utilization in the body and counteracts fatty degeneration of the liver.

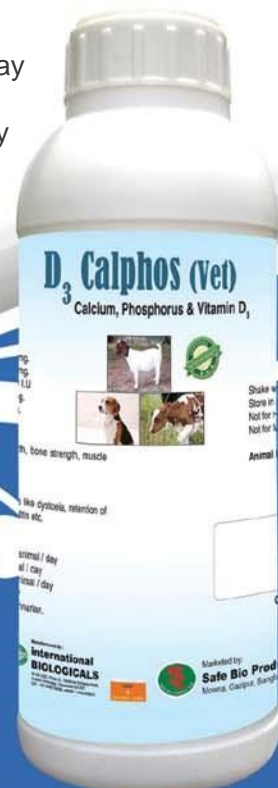
#### Benefits:

- It strengthens the skeletal structure in growing animals.
- It helps to improve the milk production in milch animals.
- It provides all essential ingredients to maintain general health of the milking animal.
- Improves the immunity, growth & performance of the animal.

#### Dosage: for 7-10 days:

Large animals : 100ml. / animal / day  
Calves : 20-40 ml. / animal / day  
Sheep & Goat : 10ml. / animal / day  
Dog : 5ml. / animal / day  
(or) as advised by a veterinarian.

**Presentation:** 1 ltr. & 5 ltr.



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