

PROM Technology

PHOSCEL™

Phosphate Rich Organic Manure



Phoscel™ is a combination of high-grade rock phosphate, organic manure and beneficial microorganism like phosphate solubilising bacteria [PSB], Azotobacter etc. It is based on Phosphate Rich Organic Manure [PROM] technology.

Phosphorus plays significant role, next only to nitrogen, in agriculture ecosystems. Phosphorous is an essential constituent of important organic compounds that supports many vital processes and activities during plant growth and development. Under intensive cultivation with high yielding varieties of crops, it is essential to maintain adequate supply of phosphorous. Phosphorous availability also insures maximum benefits from applied nitrogenous fertilizers.

CROPS

- Fruit crops** : GRAPES, GUAVA, SAPOTA, CITRUS, MANGO, POMEGRANATE, CUSTARDAPPLE, BANANA, APPLE, COCONUT ETC.
- Field crops** : COTTON, PADDY, SORGHUM, SUNFLOWER, GROUNDNUT, POTATO, MUSTARD, CUMIN.
- Vegetables crops** : TOMATO, CHILLY, BRINJAL, ONION, LADY'S FINGER ETC.
- Plantation crops** : CARDAMOM, TEA, COFFEE, FLORICULTURE, HOME GARDENING, MEDICINAL PLANTS ETC.

Enriched with PSB & Azotobacter



EXCEL INDUSTRIES LTD.

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Biological Nutritional supplement

Use of **Phoscel™** a combination of high-grade **rock phosphate, organic manure, phosphate solubilising bacteria and Azotobacter** helps in maintaining the fertility and productivity of the soil. A substantial amount of phosphorus is made available to the next crop after fulfilling the phosphorus needs of the first crop. PSB helps in solubilising the fixed phosphates in soil and making it available to the crops. Azotobacter fixes nitrogen from the atmosphere. Organic matter facilitates the nutrition cycle in the soil by harboring the beneficial microbial population. Soil phosphate availability to the plants is directly proportional to the organic matter in the soil. Apart from phosphorous, **Phoscel™** also provides Nitrogen, potash, secondary [Ca, S], and micronutrients [Zn, Mg, and Fe], along with organic carbon.

Benefits

Most of the phosphates taken up by the plants is stored in seeds. Increase in phosphate application to soils increase the yield of seeds, the starch content, sucrose content etc. Phosphate application is said to improve drought and frost resistance of the plants.

Composition

Organic Matter	10-14%	Moisture content [min]	15%
P₂O₅	15-17%	pH	6.5 to 7.5
C : N ratio	15 : 1	PSB & Azotobacter	10 ⁶ plus

Doses

Use per hectare 400kg of **Phoscel™** plus 4tons composted FYM for organic farming or recommended dose of nitrogen fertilizer for normal farming.

Compatibility

Phoscel™ can be mixed with fertilizer and biopesticides

Storage

Store in dry and shady place

Packing

Available in 1kg,5kg,50kg pack size



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