



multiplex

SAMRUDDHI[®]

(Powder)

SAMRUDDHI[®] GOLD

(Granules)

SECONDARY NUTRIENTS FERTILIZER



FOR ALL CROPS



Farmers' first choice since 1974



SAMRUDDHI (Powder) **SAMRUDDHI PLUS** (Granules)

SOIL CONDITIONER

Enhanced agriculture production needs to look into the crops requirement on the availability of nutrients in required quantities. Other factors such as physical and chemical properties of soil like aeration, soil reaction, percentage base saturation, etc. should be essentially considered. Keeping this in mind, Karnataka Agro Chemicals has introduced Multiplex Samruddhi and Multiplex Samruddhi Gold both soil conditioners which will improve the soil characteristics resulting in better utilization of all applied nutrients.

Multiplex Samruddhi and Multiplex Samruddhi Gold contains secondary nutrients calcium, magnesium and sulphur in high concentrations. These nutrients help in routine plant growth activities and also improve physical and chemical properties of soil.

Multiplex Samruddhi and Multiplex Samruddhi Gold are soil conditioners which will improve the physical characteristics of soil particles and controls soil chemical reaction (pH). Additionally, it also enhances the percentage base saturation.

- ◆ **Calcium** - It regulates the availability of nutrients to the plants. Calcium also enhances the base saturation level in soil and increases soil aeration. Calcium is a major constituent of plant cell wall and very much essential plant nutrient. Calcium helps in pH regulation in soil.
- ◆ **Magnesium** - It is a constituent of chlorophyll which maintains the greenish colour of leaves and hence increases the rate of photosynthesis in plants. This leads to increase in yield, both in quality and quantity. Magnesium helps in pH regulation in soil.
- ◆ **Sulphur** - It enhances soil aeration. When Sulphur is applied to soil it reacts with soil oxygen and releases water molecules which reduces the salinity, sulphur enhances oil content in oilseed crops. Sulphur play a major role in Amino acid synthesis and is major constituent of cysteine and methionine amino acids.

DIRECTION FOR USE

Apply Multiplex Samruddhi (Powder) at 25 to 50 kg per acre or Multiplex Samruddhi Gold (Granular) at 10 to 20 kg per acre at the time of land preparation or 15-20 days after transplanting or sowing

BENEFITS OF MULTIPLEX SAMRUDDHI / MULTIPLEX SAMRUDDHI GOLD

- ◆ Improves the structure and texture of soil particles.
- ◆ Helps in controlling soil reaction and base saturation.
- ◆ Contains all secondary nutrients as required for better soil conditioning.
- ◆ Multiplex Samruddhi Gold enables easy application and uniform distribution of the product.



Manufactured by

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