

# BIO SAMPURNA

Complete food for plants

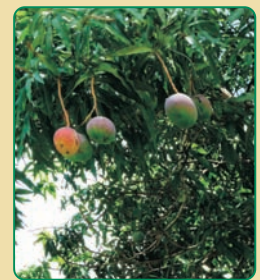
**Bio Sampurna** is an excellent combination of three individual microbes, that facilitates the absorption of available Nitrogen, Phosphorous and Potassium to the plants.

Bio Sampurna is represented by the following microbes: **1. *Azotobacter chroococcum*** **2. *Phosphobacteria*** (followed by Phosphate solubilizing microorganism (PSM) and *Bacillus megaterium*) **3. *Frateuria aurantia***.

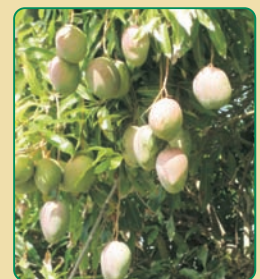
**1. *Azotobacter chroococcum*** - It plays an important role in binding atmospheric nitrogen, which is inaccessible to the plants and releases it in the form of Ammonia ions. into the soil. 1 Kg can fix considerable quantity of Nitrogen to the range of 20-40 Kg/Ha

**2. *Phosphobacteria*** - It solubilizes the Phosphate present in the soil and makes it available to the plants.

**3. *Frateuria aurantia*** - It has the ability to mobilize elementary or mixture of Potassium, which can be easily absorbed by the plant. The mobilizing power is so high that it can save upto 50-60% of Chemical Potassium Fertilizer.



Untreated



Treated

**Advantages :** **1.** They provide NPK to the plants in a situation where chemical fertilizer failed to do so. **2.** It suppresses the effect of Chemical Fertilizers, and the dosage of N, P & K could be reduced to the extent of 40 - 50%. **3.** Improve soil properties and sustain soil fertility. **4.** Improves yield, quality of produce and imparts resistance against pests and diseases. **5.** Eco friendly, Effective and Economic and does not leave any residues. **6.** It also imparts the following qualities to the produce : • Earliness • Succulence • Brix Level

**Dosage :** **Seeds & Seedling application :** 20 gm / l of water  
**Soil application :** 30 kg / Ha per year in two splits

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