



**PRODUCT INFO  
& DATASHEET**

## **SICOCOTE® (4M)**

**NPK 17.17.17**

**POLYMER COATED CONTROLLED-RELEASE FERTILISER (PCRF)**

### **1. PRODUCT ANALYSIS**

Total Nitrogen (N)	17.0%
Nitrate nitrogen (N-NO <sub>3</sub> )	7.8%
Ammoniacal nitrogen (N-NH <sub>4</sub> )	3.7%
Urea N	8.5%
Available Phosphate (P <sub>2</sub> O <sub>3</sub> )	17.0%
Soluble Potash (K <sub>2</sub> O)	17.0%

Nutrients are derived from polymer-coated potassium nitrate, mono ammonium phosphate and urea.

### **2. PRODUCT DESCRIPTION & ACTIVITY**

Sicocote 4M NPK 17.17.17 is based on homogenous NPK granules encapsulated in a unique polymer coating. The polymer coating controls the release, allowing measured, continuous diffusion of dissolved nutrients to the root zone. The release rate increases as the soil warms up, similar to the plant's growth rate and nutrient consumption. At soil temperature of 21°C (70° F) SICOCOTE (4M) NPK 17.17.17 continuously nourishes plants with nitrogen, potassium, phosphorus and minors over four months. Other factors such as pH, microbial activity or soil moisture do not significantly affect the release rate. The release is affected only by the soil temperature. Soil water content, soil pH and microbial activity do not affect the release rate significantly.

The release rate depends on soil temperature as shown in the table.

Average soil temperature	16° C.	21° C.	27° C.	32° C.
Longevity (months)	5	4	3	2

### **3. USES & BENEFITS**

- Fertiliser for nurseries, pot-plants, hanging baskets and gardening etc.
- Single application provides steady nutrient supply over months.
- Damaging deficiencies and hazardous excesses are avoided.
- Nutrient use efficiency is enhanced and losses are minimised.
- Groundwater contamination is prevented.

### **4. PACKING**

- 25 kg pp + pe bags, on pallets of 1200 kgs, 24MT/20' fcl
- 1000 kg big bags

### **5. HANDLING PRECAUTIONS**

Harmful if swallowed.  
Keep out of the reach of children.  
Store under cool and dry conditions.