



شركة تيسير إنترناشيونال للكيماويات  
TAYSEER INTERNATIONAL CHEMICALS CO.

## TDS of TSC-SB 90

Product Name: Sulphur Bentonite 90%

Trade Name: TSC-SB 90

Manufacturer: Taseer international chemicals

### Technics:

All plants require "nutrients" to grow, be strong, thick, color, taste, and smell good. These plants receive their nutrients from two different categories: primary and secondary nutrients. One type of secondary nutrient that provides good vigor and increases yield is sulfur.

### How Sulphur in Sulphur bentonite (SB) gets converted into Sulphate:

Sulphur bentonite is produced in the form of beads or granules, which are easy to handle. When the SB is applied on the field, the bentonite absorbs moisture and swells. It leads to break the beads or granules in micron size particles. By nature, the Soil has a bacteria, called "Thiobacillus". This converts the Sulphur into Sulphate in the presence of Oxygen and moisture. This Sulphate is absorbed by the plant roots. Thus, Sulphur gets into Plants.

### Chemical Composition:

Sulphur : 90% Minimum

Bentonite : 10% Maximum

Moisture : 0.5% Maximum

### Physical Properties:

Color : Golden brown

Shape : Beads or granules

Size : 2.0-5.0 mm dia

Bulk Density : 1.10 – 1.20 g/cm<sup>3</sup>



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### **Features of TSC-SB 90:**

1. Soil conditioner used as a pH correction: The majority of agricultural lands worldwide have an alkaline pH, meaning that it is more than 7. Primary nutrients such as phosphorus, potassium, and nitrogen are resisted by this alkaline soil. Primary nutrients can move through the soil when **TSC-SB 90** is added, bringing the pH down to 6.5 to 7.0. Consequently, plants have access to primary nutrients.
2. **TSC-SB 90** releases Sulphur slowly and hence the Sulphur is available to the plants for the entire crop period.
3. **TSC-SB 90** gives strength to the plants and thickens the branches.
4. **TSC-SB 90** gives strength to the flowers and boll; hence premature falling is avoided.
5. **TSC-SB 90** enhances the photo synthesis of Chlorophyll and hence the leaves are very greenish

### **Applications of TSC-SB 90:**

1. **TSC-SB 90** applied widely to the grass and lawns for improving Chlorophyll.
2. **TSC-SB 90** used for Oilseed Plants like, Ground nut, Coconut, Sunflower, Palm oil and Olive trees. It has been noticed that a 30-35% increase in yield.
3. **TSC-SB 90** applied for all kinds of Cereals, where it improves it sizes.
4. **TSC-SB 90** applied to all Kinds of Fruits, where it improves its taste, odor and Pulp thickness.
5. **TSC-SB 90** applied for Paddy and wheat crops, where it improves the yield by 15-20%.

### **Dosage of TSC-SB 90:**

1. **TSC-SB 90** can be applied as such or mixed with other nutrients/Fertilizers, as per
2. the recommendation of local area Agronomist.

### **Available Packings of TSC-SB 90 :**

- 10Kgs Bags, Polyethylene with inner lining, with end stitched.
- 1 MT or 1.25MT Jumbo bags, Polyethylene with inner lining with top and bottom Spouts, folded and tied.

### **Contacts:**