

## PRODUCT DATA SHEET (PDS)

**Product Name** : Sulphur Bentonite Manganese  
**Trade Name** : Omasulf-Manganese 15%  
**Manufacturer** : Sohar Sulphur Fertilizer LLC

### Technical:

All Plants need “Nutrients” for its growth, strength, thickness, color, taste and odor. The Nutrients, which are supplied to these plants, are categorized into two as Primary and Secondary Nutrients. Sulphur comes under Secondary Nutrient, which gives good strength and improves the yield.

Plants can't take Sulphur as such, because Sulphur is insoluble in water. So, it needs to be converted into Sulphate, which is readily dissolve in water. Let us see, how Sulphur in Sulphur bentonite Manganese (SB Manganese) gets converted into Sulphate. SB Manganese is produced in the form of pastilles, which are easy to handle. When the SB Manganese is applied on the field, the bentonite absorbs moisture and swells. It leads to break the pastilles in micron size particles. By nature, the Soil is having 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** : 65% Minimum (WT)  
**Bentonite** : 10% Maximum (WT)  
**Manganese** : 15% Maximum (WT)  
**Moisture** : 0.5% Maximum (WT)

### Physical Properties:

**Color** : Bright Brown  
**Shape** : Pastille  
**Size** : 2.0-4.0mm dia and 2.0-2.5mm ht  
**Bulk Density** : 83 lbs/ft<sup>3</sup>



Sohar Sulphur Fertilizers LLC



## Benefits of SB Manganese:

1. Soil conditioner as pH correction: Most of the Agricultural lands in the world are in alkaline nature, i.e. the pH is more than 7. This Alkaline soil resist the penetration of Primary nutrients Nitrogen, Phosphorus and Pot-ash. By adding SB Manganese to the Soil, it reduces the pH to 6.5 – 7.0 and allows primary nutrients to pass through the soil. Thus, Primary nu- trients are available to the Plants.
2. It releases Sulphur slowly and hence the Sulphur is available to the plants for the entire crop period.
3. It gives strength to the plants and thickens the branches.
4. It gives strength to the flowers and boll; hence premature falling is avoided.
5. It enhances the photo synthesis of Chlorophyll and hence the leaves are very greenish.

## Applications of SB Manganese:

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

## Dosage of SB Manganese:

This can be applied as such or mixed with other nutrients/Fertilizers, as per the recommendation of local area Agronomist.

## Available Packings:

1. 25Kgs Bags, Polyethylene with inner lining, with end stitched.
2. 1.20MT or 1.25MT Jumbo bags, Polyethylene with inner lining with top and bottom Spouts, folded and tied.
3. Loose packing, 25MT charged in 20ft Container.

## Contact for Inquiry:

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