



## ROLE OF SULPHUR IN ONION NUTRITION

Globally, Onion is an important spice commodity. It is one of the major rabi crops in Maharashtra, Karnataka, Gujarat, and other states in our operating territory. The yield of onion is low primarily on account of imbalanced & incomplete crop nutrition. The growers, by and large, are oblivious to the role of Sulphur in Onion nutrition.

Besides, Sulphur deficiency is on the rise in most Indian soils. Onion is a sulphur- loving crop as Sulphur plays an important role in realising its yield & quality potential. More specifically, Sulphur has been found not only to increase the bulb yield but also its quality in terms of pungency, nutritive value and flavour.

Severe sulphur deficiency during bulb development has detrimental effect on yield and quality of onion. In addition to its role as an important nutrient, Sulphur is an effective fungicide and an acidulent and helps in disease suppression and lowering of soil pH.

Following Q&As will provide some more details on the subject:

### What are the key functions of Sulphur?

As an essential nutrient, Sulphur has some key functions in plants which are as below,

- Formation of chlorophyll that permits photosynthesis through which plants produce starch, sugars, oils, fats, vitamins, and other compounds.
- Protein synthesis: Sulphur is a constituent of three S-containing amino acids (cysteine, cystine and methionine), which are the building blocks of proteins. About 90% of plant S is present in these amino acids.
- Activation of enzymes, which aid in biochemical reactions in the plant.
- It is associated with special metabolisms in plant and the structural characteristics of protoplasm.
- Increases crop yields and improves produce quality, both of which determine the market price a farmer would get for his produce.

### Which product in the Mahadhan basket meets Sulphur requirement of Onion?

Mahadhan Bensulf Super-fast is an excellent product in our basket which meets Sulphur requirement of Onion. The product boasts of a Super-Fast Release Technology (SFRT) to meet this requirement. It is scientifically tested and contains 90% Sulphur.

### What is the recommendation for using Mahadhan Bensulf Super-fast in Onion?

Mahadhan Bensulf Super-fast should be used at Planting or 10-15 Days after Planting @ 20 Kg per acre.

### What are the benefits of application of Mahadhan Bensulf Super-fast in Onion?

The application benefits of Mahadhan Bensulf Super-fast in Onion are,

- It reduces rotting of bulbs due to fungal attack (black sooty mould attack in storage), increases shelf-life of the onions, improves colour of the onions & increases weight of the bulbs resulting in higher yield and income to farmers.
- In addition to that, it is the most efficient source of amendment which reduces the increased levels of calcium carbonates & pH.