

BIOSULF[™] **Liquid Sulphur**

Introducing BIOSULF[™]

BIOSULF[™] is liquid sulphur that acts as an acaricide, fungicide and nutrition source. The particle size of Sulfur is less than 1 micron. Sulphur (S) is now recognized as the 4th major plant nutrient, along with nitrogen (N), phosphorus (P) and potassium (K).

Sulphur deficiency is becoming more critical with each passing year which is severely restricting crop yield, produce quality, nutrient use efficiency and economic returns on millions of farms. Sulphur has a key role in improving crop yield and produce quality. BIOSULF[™] does not contain any sediment and suspended visible particles.

Mode of Action

Sulphur is a proven nutrient next only to NPK for all crops. Oilseed crops need more sulphur for better uptake of Nitrogen. Thus sulphur can be considered as a major nutrient.

Uptake of Sulphur depends on particle size. As BIOSULF[™] is 1 micron particle size the uptake of sulphur as nutrient is more effective than other forms / formulations of sulphur.

Sulphur is a proven fungicide and 1 micron size of sulphur in BIOSULF[™] is effective against powdery mildew by contact action

Sulphur is known to be an acaricide and BIOSULF[™] with 1 micron particle size in liquid form is miscible with all other foliar spray products and thus is effective as an acaricide

Method of Application

Foliar Application: Mix 3-5ml of BIOSULF[™] per 1 L of water and spray. Adding a sticking agent to the solution will aid in better adherence of the formulation to the crops

Target Nutrition

Sulphur supplementation

Target Disease

Powdery mildew

Target Pest

Mites

Crops

BIOSULF [™] is suitable for application on Oilseeds , Cereals , Millets , Pulses, Fibre Crops , Sugar Crops , Forage Crops , Plantation crops ,Vegetables, Fruits, Spices , Flowers , Medicinal crops , Aromatic Crops , Orchards and Ornamentals

Compatibility

BIOSULF [™] is compatible with most fungicides and insecticides. There are some exceptions . Check the chemical container and look for manufacture's caution on product incompatibility with sulphur before mixing them together.

Shelf Life

BIOSULF [™] is stable for a period of 24 months from the date of manufacturing.

Mass Composition

CONSTITUENT	W/W %	FUNCTION
Sulphur	20%	Active
Aqua base	q.s.	Inactive

Free from Salmonella, Shigella , E.Coli

Cautions for handling and use of product

1. Avoid inhalation and skin contact while diluting as there could be spillage / splashes of the product.
2. Mixing and spraying equipment is to be thoroughly rinsed with water and detergent before using the same equipment for spraying other chemical agricultural inputs.
3. Surplus spray solution should not be disposed in crop lands / stagnant water / flowing water where there is a possibility of causing pollution to natural resources
4. Do not eat / drink / smoke during application.
5. Direct incidence of BIOSULF [™] may cause irritation and therefore it is recommended that the operator should use protective gear viz gloves, apron, mask, eye gear and hood.

Symptoms and Antidotes

Symptoms: Occasional symptoms include head ache and nausea.

Antidote: In the case of ingestion: symptomatic treatment is advised. In the case of contact with Eyes: Flush with water liberally for 20 minutes. In case of Skin contact, wash the affected area with plenty of water and soap.

Citations

There are many citations on use of liquid sulphur and its applications in agriculture

Commitment to Nature

- BIOSULF[™] is safe to natural parasites, pollinators and predators.
- BIOSULF[™] can be used as an effective component in IPM programmes
- BIOSULF[™] does not lead to residue problems and doesn't cause resistance or resurgence problems.

Benefits from BIOSULF[™]

- BIOSULF[™] effectively supplements Sulphur in a liquid form which is an essential element for oilseeds for Nitrogen uptake
- BIOSULF[™] is an effective acaricide and fungicide
- BIOSULF[™] does not impart particle injury to crops unlike other Sulphur formulations.