

PRODUCT CODE

ORGANIC ANTI-FUNGAL BP1 – POWDER/LIQUID (ECOFIT)

Composition	Ingredient	Powder	Liquid
	Eugenol	00.10% w/w min.	00.10% w/v min.
	Potassium Salt of fatty acids	02.00% w/w min.	99.90% w/v max.
	Sodium salts	97.90% w/w max.	-

Target

Blast, Leaf Spot, Powdery Mildew, Early Blight etc. on Paddy, Potato, Tomato, Grapes, Mango, Pomegranate, Papaya & Vegetables.

Mode of Action

Eugenol results in morphological damage to exposed hyphae of the fungal organism as observed by Cytoplasmic coagulation and vesiculation on hyphae. Eugenol interferes with metabolic processes taking place after the stages of conidia germination. Another mechanism is due to membrane damage. Eugenol, being a lipophilic compound, can enter between the fatty acid chains that make up the membrane lipid bilayers, thus altering the fluidity and permeability of cell membranes resulting in subsequent destruction of the fungal cells.

How to Apply

Mix the recommended quantity thoroughly in sufficient amount of water & spray on both sides of the leaves / affected areas.

Shelf Life

3 years from the date of manufacture.

Antidote

No specific antidote. Treat symptomatically.

Dosage

2 g / 2 ml per litre of water



Safe Agriculture, Since 1998!

Studies Done
Bio-efficacy

Product	University	Disease Studied
BP1 Powder	GKVK, University of Agricultural Sciences, Bangalore	Crop: Chilli Anthracnose Cercospora Leaf Spot Powdery Mildew
BP1 Powder	University of Agricultural And Horticultural Sciences, Shimoga	Crop: Paddy Leaf Blast Neck Blast Phytotoxicity
BP1 (Ecofit) Powder	Mahatma Phule Krishi Vidyapeeth, Rahuri	Crop: Tomato Early Blight Phytotoxicity

Non-toxicity & Biodegradation

National Toxicology Centre, Pune

Free from Pesticides

Reliable Analytical Lab., Mumbai

Organic Approval as per NPOP (by APEDA)

1. IMO Control
2. VOCA

Test Protocol:

Test	Sample	Reference
Eugenol	Liquid & Powder	Determine by gas chromatography (2.4.14). Reference: IP 2007 p: 1395
Total Fatty Matter	Liquid & Powder	As per IS 286: Methods of Sampling and Test for Soaps.
Total solids	Powder	As Loss on Drying as Moisture content (TS % = 100 – % LOD)