

LOVE ORGANIC



**BBEAL**

*Bharat Bio East Africa Ltd.*

CONSISTENT | RELIABLE | SUSTAINABLE

[www.bbeal.com](http://www.bbeal.com)

# AVAILABLE PRODUCTS IN KENYA





LOVE ORGANIC

MORE THAN  
100 LIVE  
SPORES



MAINTAINS  
SOIL  
HUMIDITY

20 SPECIES  
OF  
MYCORRHIZA

ENRICHED  
WITH ORGANIC  
CARBON

FARMER: We Feed The World

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## SPOREMAX (BIOFERTILIZER)

### PRODUCT DESCRIPTION

Sporemax is a bio-fertilizer which contains Mycorrhiza fungus. We formulated Sporemax by using all form of Mycorrhiza i.e spore, mycelium and root particle with vesicle in single formulation. Sporemax contain both ecto and endo spore of Mycorrhiza. After application near root zone, spore available from Ariza get activated and make symbiotic association with plant root. Here VAM (Vesicular carbuncular Mycorrhiza) grow extra as well as intra cellularly.

### INGREDIENTS

Mycorrhiza i.e spore, mycelium and root particle with vesicle with carrier.

### ADVANTAGES

- Help plant to get nutrients, water easily.
- Provide support to plant at the time of drought.
- Develop extra root system (tertiary root system) so increase area of nutrient and water absorption.
- Increase fertilizer use efficiency.
- Provide more stability to plant.

### DOSES

4 to 6 kgs per Acre.

### METHODS OF APPLICATION

Soil Application.

### TARGET CROPS

Can be used in any crop like cereals, pulse, vegetables, tuber, fiber, ornamental, oil seeds and fruit crops but it cannot be used in cruciferous plants.





LOVE ORGANIC

IMPROVES  
SOIL  
BIOMASS



INCREASES  
ORGANIC  
CARBON IN SOIL

100%  
DECOMPOSED  
ORGANIC MANURE

20+  
BENEFICIAL  
BACTERIA

FARMER: We Feed The World

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## GREEN GOLD (BIODYNAMIC ORGANIC MANURE)

### PRODUCT DESCRIPTION

Green Gold is manufactured by India's largest biogas-CNG plant by utilizing biogas slurry. It is pure organic fertilizer as its special production technique comprises first anaerobic then aerobic composting method. Due to dual type of composting process (i.g. anaerobic and aerobic) high temperature generate these led to destruction of all weed seeds, harmful fungus, bacterial and other microbes.

### INGREDIENTS

- Biodynamic Organic Manure.
- Various plant growth promoter like Azatobacter PSB, KMBC.
- Various plant protector like trichoderma, pseudomonas, bacillus, peacilomysisi etc.
- Various organic / herbal extract like seaweed, humic and fluvic acids.

### ADVANTAGES

- Rich source of primary, secondary and trace element
- Reduce addition of harmful chemical fertilizers.
- Prepared by dual composting technical so no weed seed and harmful microbes.
- Rich source of organic carbon lead to increase soil bio mass.
- Helps to improve soil fertility. Reduce salt and help to balance soil PH.
- Activate soil rhizosphere by improving soil physical, chemical and biological properties.
- Consists plenty of beneficial microbes which improve crop yield.
- Consists natural humus.
- Make soil more porous and also improve soil water holding capacity.

### DOSES

4 to 5 bags per Acre (Each bag of 25 kg).

### METHODS OF APPLICATION

Soil application as a soil conditioner.

### TARGET CROPS

Useful for all kinds of agriculture and horticulture crops.



Bharat Bio East Africa Ltd.

LOVE ORGANIC

FIX  
NITROGEN  
IN SOIL

INCREASES  
CROP  
YIELD

IMPROVES  
SOIL HEALTH  
& SOIL  
BIOMASS

ENRICHED WITH  
PSB, KMB &  
AZOTOBACTER



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## BHARAT-CS (BIOFERTILIZER)

### PRODUCT DESCRIPTION

Bharat Bio Gas Energy Ltd has developed a unique formulation of nitrogen fixing bacteria in liquid form by using advanced sophisticated production technology. BHARAT-CS is a combination of compatible strains of biofertilizers. It contains high concentration spores of nitrogen fixing microbes in dormant stage and proliferates quickly after being applied in to the field.

### INGREDIENTS

It contains high concentration spores of

- Rhizobium Spp. ( $1 \times 10^8$  / ml)
- Azospirillum Spp. ( $1 \times 10^8$  / ml)
- Azotobacter ( $1 \times 10^8$  / ml)
- PSB ( $1 \times 10^8$  / ml)
- KMB ( $1 \times 10^8$  / ml)

### ADVANTAGES

- Fix at least up to 35 to 40 kg atmospheric nitrogen in soil.
- Helps to reduce the use of synthetic nitrogenous fertilizer
- It helps to increase the crop yield.
- Help to increase natural soil biomass and thereby improve soil health.
- Improve plant vigor, plant health and finally increase crop yield etc.
- Add up to 10-15 kg phosphorus per hectare per year
- During solubilization of phosphorus, liberate various micronutrient which can be used full for plant as a food.
- Increase beneficial soil biomass.

### DOSES

2 liter per Acre.

### METHODS OF APPLICATION

Soil application as drenching and through drip irrigation.

### TARGET CROPS

Useful for all kinds of agriculture and horticulture crops.





**Bharat Bio East Africa Ltd.**

**LOVE ORGANIC**

**ENRICH WITH  
HUMIC &  
FULVIC ACID**

**MORE THAN  
12% ORGANIC  
CARBON**

**MORE FRUITS  
MORE YIELD**

**IMPROVES  
SOIL PH**



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## BHARAT BIONOURISH

### PRODUCT DESCRIPTION

BHARAT BIONOURISH is manufactured by India's largest biogas-CNG plant by utilizing biogas slurry. It is a pure organic fertilizer in the form of liquid. It is an extract we derived after anaerobic composting by utilizing sophisticated German technology. It is the first organic fertilizer in the form of liquid. Bharat Bio Gas Energy Ltd. developed it by taking multiple trials and proves its efficiency by using it in plenty of fields.

### INGREDIENTS

- Biogas slurry.
- Azotobacter (nitrogen fixer).
- PSB (phosphate solubilizer).
- Potash and Micronutrient mobilizer etc.
- Various organic extract like seaweed, humic and fulvic acids.

### ADVANTAGES

- Rich source of primary, secondary and trace element.
- User friendly due to liquid form – apply via drip and drenching method.
- Chances of nutrient loss during storage nullify.
- Reduce addition of harmful chemical fertilizers.
- Prepared by filtration technique so no weed seed and no harmful microbes.
- Rich source of organic carbon leads to increase soil bio mass.
- Help to improve soil fertility.
- Reduce salt and help to balance soil pH.
- Activate soil rhizosphere by improving soil physical, chemical and biological properties.
- Add plenty of beneficial microbes in soil – these improve crop yield.
- Add natural humus as well as plant growth promoting molecules in the form of sea weed, humic and fulvic acid.
- Encourage white root formation, so plant can take more food and water from soil solution.
- Make soil more porous and also improve soil water holding capacity.

### DOSES

1-2 liters per Acre.

### METHODS OF APPLICATION

1-2 liters per acre can be applied through drip irrigation, sprinkler or flood irrigation.

### TARGET CROPS

Useful for all kinds of agriculture and horticulture crops.



Bharat Bio East Africa Ltd.

LOVE ORGANIC



15% +  
PHOSPHORUS  
RICH

MORE THAN  
10%  
ORGANIC CARBON

MORE THAN  
5%  
POTASH

MORE THAN  
7%  
NITROGEN

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## BIO NOURISH PLUS

### ADVANTAGES

- Phospho Rich is natural organic product which enhances phosphate uptake and mobilize immobile micronutrients.
- It contains well balanced combination of natural hormones.
- It is enriched with essential micronutrients.
- It also contains bioactive substances such as vitamins, hormones and enzymes that can directly or indirectly enhance plant growth and protection.
- Improves plant root growth and development.
- Enhances product quality and increases immune power of the crop.
- Prevents premature flower and fruit drop.

### DOSAGE & METHOD OF USE

- 1 litre/acre by drip irrigation or sprinkler irrigation method.
- 5 ml/litre of water for foliar spray.

### METHODS OF APPLICATION

For Normal soil it can be repeated every 15 days, for Phosphorus Deficient soil, it can be repeated after 10 days.

### STORAGE

Store in a cool place away from direct sunlight and heat.





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## BHARAT THYM

### PRODUCT DESCRIPTION

BHARAT THYM is a liquid biocontrol product obtained through a bio-process technology designed by Bharat Biogas Energy Limited. It reduces the population of pathogens on contact. It targets common fungal and bacterial diseases like powdery mildew, grey mold, fireblight etc.

It helps to control Fusarium wilt, verticilium wilt and Bacterial wilt. It also helps in Protecting plants from Root knot nematodes.

BHARAT THYM is an eco-friendly crop protective products contains large amount of biologically active essential oils which directly act through cell membrane disruption. It protects plant from pathogens, helps in better retention of flowers, fruits and enhances the plant growth.

### ADVANTAGES

- Highly stable formula
- Instantly mix in water, no agitation requires after mixing
- Broad spectrum efficacy
- Unlikely to develop resistance
- Powerful botanical biopesticide
- Noncorrosive

### DOSE & METHOD OF APPLICATION

BHARAT THYM is recommended to be used at the rate of 500-1000 ml / Acre. It needs to be mixed in 200 Lit water and applied on the foliar of designated crop in one Acre. Ensure BHARAT THYM reaches every leaf of the crop and preferably applied during morning or evening hours.

Always apply BHARAT THYM during vegetative growth, flowering and fruiting stages of the crop for best results. BHARAT THYM is compatible with commonly used micronutrients and water soluble fertilizers.

### STORAGE

Store in a cool place away from direct sunlight and heat.

### RECOMMENDED CROPS

For All Agricultural and Horticultural crops.

### DIRECTION FOR USE

Wear gloves and safety glasses when manipulated the concentrate. To determine the application strength, spray on a small hard surface and observe compatibility. Shake well before use. Use enough solution to cover surfaces completely.

### PRECAUTIONS

In case of ingestion, drink water. If abdominal discomfort occurs, please consult your physician. In case of contact with skin, wash with soap and water. In case of contact with eyes, flush for 30 to 40 seconds with water. Rinse container prior to recycling. Dispose or any unused or waste product in compliance with provincial and local regulations.





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## I - ZAP

### PRODUCT DESCRIPTION

**Brief description:** I-ZAP is an insecticide for Control of White Flies & Aphids on Roses. It is eco friendly, herbal water extract with no chemical as solvent or preservative. I-ZAP is a unique molecule derived from plant extracts and oils based on the principles of allopathy.

**Mode of Action:** I-ZAP is primarily targeted for harmful pest and upsets the digestion system of pests and there by removing them completely.

**Mixing instructions:** Half fill the spray tank with water. Add the required amount of I-ZAP then fill the water to the required level and mix or agitate thoroughly to uniformity. Spray immediately after mixing.

### Directions for Use:

Crop	Pests	Application Rate per ha, spray volume/ha, Amount in 20L	Timing & frequency of application
Roses	White Flies & Aphids	2 Litres per Acre per 400 Litres water 100 ml./20 Litre water	When the pests are noticed. Where necessary repeat application after 8-10 days

**Resistance management:** Repetitive/continual use of I-ZAP can lead to no pesticide resistance to the pest. I-ZAP is being Herbal/Organic in nature.

**HAZARDS/PRECAUTIONS:** Users must wear PPE i.e. overalls, waterproof gloves, gumboots, dust/mist respirator, do not inhale spray mist. Do not eat drink or smoke whilst mixing or applying, nor Before washing hands and face. Wash hands before eating drinking smoking or using the toilet.

**STORAGE:** Store in tightly closed container, in a cool dry well-ventilated place away from direct sunlight, sparks and open flame and out of reach of children and unauthorized persons, away from food, drinks and animal feed.

**DISPOSAL:** Dispose of by triple rinsing and crushing or perforating empty containers and throwing them away in an authorized and fill site. Do not re-use empty containers for any other purpose.

**Accidental Release:** Methods for Cleaning up: Remove with water and absorbing materials.

### ENVIRONMENTAL HAZARDS

**Environmental Precautions:** No hazards to the environment Methods for Cleaning up: Remove with water and absorbing materials. I-ZAP does not harm bees fish birds, beneficial insects or wildlife and is compatible with and Integrated Pest management program.

### FIRST AID INSTRUCTIONS

**EYES:** Flush eyes with large amounts of fresh water with eyelids open for at least 5-10 minutes. Seek proper medical attention.

**SKIN:** Wash with water and soap.

**INGESTION:** If liquid is consumed accidentally, induce vomiting by trained medical personnel. Victim should rest in shade.

**INHALATION:** The product fumes have no effect, but if a person feels dizzy he should be allowed to rest in shade and seek medical attention.

### TOXICOLOGICAL INFORMATION

I-ZAP is practically nontoxic to, non-allergic to mammals. Proper use of PPE is encouraged. Note to Physician Remove the victim to fresh air. Keep the victim warm and at rest and give symptomatic and supportive therapy.

In case of poisoning call emergency Nos. 0800720021/0800730030 (24hours)

**NOTICE TO THE USER:** This pest control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act (Cap. 346) to use or store a pest control product under unsafe conditions.

**SELLERS GUARANTEE:** Sellers guarantee is limited to the terms set out on the label and subject here to, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product in that condition.



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## BHARAT PROM

### PRODUCT DESCRIPTION

BHARAT PROM is 100% Safe and Eco-Friendly product.

It is having 100% available form of Phosphorus which plant uptakes easily. Apart from Phosphorus it has Calcium, Zinc, Ferrous, Magnesium in sufficient percentage which fulfills the plant's nutrition requirement from soil.

BHARAT PROM is manufactured by using minerals like Rock Phosphate, Dolemite and Organic Matter from Biogas Slurry by process of decomposition in which different strains of bacteria is used to separate out available form of Phosphorus, Potash, Calcium, Magnesium, Zinc, Sulphur. 100% available nutrition is mixed with organic manure and bentonite to make granules.

### DOSE AND METHOD OF APPLICATION

200-300 Kgs/hectare and must be applied during planting stage.

### CONTENTS

Organic Carbon, Nitrogen, Phosphorus, Potassium, Zinc, Ferrous, Magnesium, Sulphur, Calcium.





Bharat Bio East Africa Ltd.

LOVE ORGANIC

NUTRIENTS  
FOR PLANT

BUILD  
IMMUNITY

ECO-FRIENDLY  
AND SAFE



FIGHT AGAINST  
PEST AND  
DISEASE

REDUCE USE OF  
PESTICIDES,  
INSECTICIDES &  
FUNGICIDES

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## BIO NOURISH NANO ONE

### PRODUCT DESCRIPTION

Bio Nourish Nano One is a silicon-based super spreader, utilising sophisticated technology for improved foliar fertiliser spray response. Particularly useful for "hard to wet" plant surfaces.

Bio Nourish Nano One is a superior SPREADER STICKER adjuvant with non-ionic properties designed to improve the contact, wetting and adhesion of pesticides onto the plant surface. Bio Nourish Nano One forms a soft film, which polymerizes. This film reduces the effects of rainfall erosion, volatility and ultraviolet (UV) degradation on pesticide spray deposits.

### ADVANTAGES

- Increased target penetration.
- Super spreader-helps overcome the problem of beaded droplets on waxy surfaces.
- Silicon-based for improved plant health response.
- High compatibility formulation for a wide range of applications.
- Low product application rates.

### GENERAL RECOMMENDATION

**Pump Mix** : Take 20 ml of Bio Nourish Nano One (2 drop/litre) in pump and add 14 to 15 litre waters. Shake it well. Than effectively cover whole foliage by proper spraying.

**Mixing** : Prior to any pesticide application all spray mixing and application equipment must be cleaned.

Fill spray tank half full of water and begin agitation. Add pesticides as directed by label or in the following sequence:

1. Dry flowables, water dispersible granules or soluble fertilizers
2. Wettable Powders
3. Flowables
4. Emulsifiable Concentrates
5. Add Bio Nourish Nano One last and continue agitation.

Rinse tank, lines and nozzles immediately after spraying, with water.

### METHODS OF APPLICATION

Pre-mix the whole of each 20ml bottle of Nano one into 1L of water each then shake well to mix. Thereafter transfer 100ml from each Pre-mix into 20L knapsack of water.



# SOLAR INSECT TRAP

## Solar Panel Specification

- ✦ Solar panel power - 5 w | Voltage - 12 v

## UV Trap Specification

- ✦ No of led - 24 U V Led (395-400nm) wave length
- ✦ Battery - Lithium-Ion
- ✦ Battery Voltage - 7.4V (3.7\*2) 4000 Mah
- ✦ Charging - By Solar Panel & Adaptor (QV)
- ✦ On/Off - Automatic
- ✦ Battery Backup - 7 to 9 HRS

## Exclusive Specification

- ✦ With Thermocal Box packing for Quality product.
- ✦ Full power coating yellow color.
- ✦ Single Stand will be foldable type of height 4 foot.
- ✦ Fully Transparent Led Protection With Acrylic Case For better Result.
- ✦ Weight of the Product - 5 to 6 KG Approx.

## Warrantee on Product

- ✦ 6 months on Battery.
- ✦ 5 years on solar panel.



Trap harmful flying insect



Full Unit Setup

# PRODUCT DATA TRAP (STICKY TRAP)

## Introduction

Yellow and blue color of these traps make waves favored by the insects which get attracted. They can raise the capturing chances of success.

## Target pests

whitefly, leaf miner, aphid, trips, fruit fly, moths and other flying insects.

## Host Crops

Floriculture, Polyhouse, Bengal gram, Cabbage, Chilli, Chrysanthemum, Cotton, Cow pea, Green gram, Groundnut, Maize, Okra, Red gram, Rice, Sorghum, Soybean, Sunflower, Tomato, Cotton, Pigeon pea, Chickpea, Sorghum, Peas, Tobacco, Potatoes & Maize.

## Physical Dimensions of trap

15cms x 20.5 cms

## Available colors

Yellow & Blue

## Materials of construction

U V Stabilized Plastic Polymer, Paper laminated boards.

## How they work

These sheets are coated on both sides with special non drying insect trapping adhesive specially formulated for the trapping of sucking pests. The color of trap has been selected as being a very attractive color for pests/insects, which become entangled and held in the glue when seeking to land on the trap, catching nuisance flying insects particularly where poison sprays cannot be used.

Aphids, Jassids, Green fly & leaf hoppers and many other flying insects are attracted to the color yellow, while thrips are attracted to the color blue.

These traps are installed in the fields at the rate of 5-7 traps per hectare for monitoring. Traps should normally be attached to stakes at crop height and placed within the crop with at least 50m between each trap.

## Effective life span in the field

Single season (subject to weather conditions)

## Benefits

Easy to assemble, easy to monitor. Monitors all SUCKING PESTS. Plastic polymer sheets can with stand sunlight.







**FARMER:**  
**We Feed**  
**The World**

**Manufactured by:**



**Bharat Biogas Energy Ltd.**  
Gujarat, India

**Marketed by:**



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