

BIOHUME® - Granules
Bio Active Humic and Fulvic Substances of VermiCompost origin
APPROVED FOR USE IN ORGANIC AGRICULTURE

Introducing BIOHUME®-Gr

BIOHUME®- Gr is a unique Biostimulant Granule based on bioactive humic and fulvic substances derived from Vermicompost. BIOHUME®- Gr helps in retention of flowers, imparts better organoleptic properties like luster, aroma, flavor and taste; and attracts pollinators.

BIOHUME®- Gr provides Bioenergy required for crops and has biologically derived nutrients and biostimulant substances. BIOHUME®- Gr is formulated from Vermicompost derived bioactive humic and fulvic substances unlike products of mineral / mining sources/ Potassium humate or any other chemical humate. Most products available in market as "Humic Acids / Fulvic Acids" are of mineral origin and chemically processed as Humates. BIOHUME®- Gr is the only true biologically derived bioactive humic and fulvic substances with bioenergizers.

BIOHUME®- SL concentrate extracted from vermicompost, is impregnated into double roasted bentonite clay granules that enable sustained release of the various bio stimulants to root system of plants.

BIOHUME®- Gr activates the soil bacteria, specially rhizosphere bacteria which are responsible for better growth of root system.

BIOHUME®- Gr is formulated using BIOHUME®- SL extracted from Vermicompost in cold process and as such bioactive substances do not get denatured. BIOHUME®- Gr is used as an effective soil application product It is formulated as granules . BIOHUME®- Gr is approved for use in Organic Agriculture.

Further benefits are explained in the section – Benefits you can experience

Mode of Action

BIOHUME®- Gr is formulated using BIOHUME®- SL which is derived from vermicompost. All biologically derived macro nutrients, micro nutrients, enzymes, gibberellins, betaines and many unidentified biostimulants present in BIOHUME®- Gr provides energy to the plants. A vast number of enzymes present in the gut system of earthworms decompose the biomass consumed by them and the vermicompost so derived has many unidentified but very bioactive substances that provide bioenergy to plants at critical junctures like flowering stage.

Granular formulation of BIOHUME® enables sustained release of the various bio stimulants to root system of plants.

Method of Application

Basal dose / Top Dressing : Apply 5 Kg / acre of BIOHUME®– Gr uniformly over the field.

Crops

BIOHUME®– Gr is suitable for application for on Cereals , Millets , Pulses, Oilseeds, Fibre Crops , Sugar Crops , Forage Crops , Plantation crops ,Vegetables, Fruits, Spices , Flowers , Medicinal crops , Aromatic Crops , Orchards and Ornamentals.

Compatibility

BIOHUME®– Gr is compatible with Pesticides and Fungicides.

Shelf Life

BIOHUME®– Gr is stable for a period of 36 months from the date of manufacturing.

Mass Composition

CONSTITUENT	W/W %	FUNCTION
BioActive Humic and Fulvic substances from VermiCompost	00.60%	Active
BioEnergizers	00.40 %	Active
Carrier double roasted bentonite clay granules	q.s.	Inactive

Free from Salmonella, Shigella , E.Coli

Cautions for handling and use of product

1. Avoid inhalation and skin contact while application of the product.
2. Surplus granules if it had been mixed with chemical fertilizers– should not be disposed in crop lands / stagnant water / flowing water where there is a possibility of causing pollution to natural resources.
3. Do not eat / drink / smoke during application.
4. Direct incidence of BIOHUME®– Gr may cause irritation and therefore it is recommended that the operator should use protective gear viz gloves , apron , mask , eye gear and hood.

Citations

BIOHUME[®]- Gr is a proprietary product and Agri Life and has Indian Patent and public citations of the same aren't available. However, there are many citations for humic and fulvic substances in general.

Commitment to Nature

- BIOHUME[®]- Gr is approved for use in organic agriculture.
- BIOHUME[®]- Gr is safe to use along with bio fertilizer inoculums like Agri Life Nitrofix[™] (Nitrogen Fixing bacteria) ; P Sol B[®] (Phospho bacteria) ; K Sol B[®] (Potash mobilizing bacteria); Zn Sol B[®] (Zinc mobilizing bacteria) ;S Sol B[®] (Sulphur solubilizing bacteria) : Si Sol B[™] (Silica solubilizing bacteria) : Fe Sol B[®] (Iron / Ferrous solubilizing bacteria) : Mn Sol B[™] (Manganese solubilizing microbe) and Agri Life Agrivam[®] (Vesicular-arbuscular mycorrhiza)
- BIOHUME[®]- Gr can be used as an effective component in INM programmes, thereby leading to a reduction in use of synthetic plant nutrition supplements and chemical fertilizers and creating a safer environment.
- BIOHUME[®]- Gr does not lead to residue problems and doesn't cause resistance or resurgence problems.

Benefits from BIOHUME[®]- Gr

BIOHUME[®]- Gr Biological benefits

- Helps retention of flowers
- Attracts pollinators
- Imparts better organoleptic properties
- Provides Bioenergy
- Helps fight abiotic stress.
- Accelerates germination rates & enhances seedling emergence and uniformity even under adverse conditions
- Stimulates growth and proliferation of beneficial soil micro organisms
- Stimulates root growth and shoot growth
- BIOHUME[®]- Gr is earthworm friendly , pet friendly , eco friendly and infant friendly

BIOHUME[®]- Gr Physical benefits

- Increases water holding capacity of the soil
- Increases soil aeration and soil workability
- Reduces soil erosion
- Improves drought tolerance of plant

BIOHUME® – Gr Chemical benefits

- Increases the capacity of retaining and exchanging soil nutrients.
- Effectively chelates and complexes soil micro nutrients.
- Retains water soluble inorganic fertilisers in the root zones and releases them to plants when needed.
- Moves blocked nutrients in soil by making them assimilable by plants.

