



# Agricultural Regenerative Inputs

Technical Data  
Sheets



# Biol Guard - Organic Biopesticide



<b>Formulation / Presentation</b>	Liquid concentrate.		
<b>Characterization (Mineral and nutrient content)</b>	<ul style="list-style-type: none"> <li>• Nitrogen (N)</li> <li>• Phosphorus (P)</li> <li>• Potassium (K)</li> <li>• Micronutrients (Ca, Mg, Fe, Zn, Mn)</li> </ul>	<b>Physical Properties</b>	<ul style="list-style-type: none"> <li>• Water-soluble</li> </ul>
<b>Description</b>	Creates a protective barrier around the plant against insects, pests, and fungal diseases. Improves soil fertility and microbial diversity.		
<b>Active Ingredients</b>	<ul style="list-style-type: none"> <li>• Enhanced bioslurry.</li> <li>• Natural extracts: Pyrethrins, Allicin, Curcumin, Gingerol, Capsaicin, Alpha-pinene, Eucalyptol, Citronellol.</li> <li>• Lactic acid bacteria.</li> </ul>		

## Benefits and Mode of Action

<b>Mode of Action</b>	<ul style="list-style-type: none"> <li>• Bioavailability and slow release of nutrients.</li> <li>• Repellent action for pests, fungicidal effect, and biostimulant properties.</li> <li>• Soil remediation; contribution of beneficial microorganisms.</li> </ul>
<b>Pests</b>	<ul style="list-style-type: none"> <li>• Insects: Mites, aphids, whiteflies, caterpillars, scale insects, thrips, beetles, and ants.</li> <li>• Soil-borne pests: Wireworms, root weevils, nematodes.</li> <li>• Fungal diseases: Powdery mildew, downy mildew, rust, blight, root rot, etc.</li> </ul>
<b>Dilution and Dosage</b>	<ul style="list-style-type: none"> <li>- <b>Preventive application:</b> Drench or fertigation: Dilute 1:20 parts water. Foliar application (backpack sprayer): Dilute 1:10 parts water.</li> <li>- <b>Corrective Treatment (Pest Infestation or Disease Control):</b> Drench: Dilute 1:10 parts water. Foliar application (backpack sprayer): Dilute 1:5 parts water.</li> </ul>
<b>Frequency</b>	<ul style="list-style-type: none"> <li>• Vegetables: Apply every 8-10 days through foliar spraying and soil drenching.</li> <li>• Fruit trees: Apply monthly or every two months.</li> <li>• Perennials and ornamentals: Apply monthly, especially when experiencing stress, pests, or fungal diseases.</li> </ul>
<b>Effectiveness</b>	May require 2-3 applications to see noticeable results, especially in cases of pest infestations or fungal diseases.

## Important Information

<b>Shelf Life</b>	6 months.
<b>Safety and Handling</b>	<ul style="list-style-type: none"> <li>• Non-toxic to humans, pets, and beneficial insects when used as directed.</li> <li>• Wear gloves and protective eyewear during application to avoid skin or eye irritation.</li> <li>• Avoid spraying during heavy rain or strong winds to prevent runoff and drift.</li> <li>• Store in a cool, dry place away from direct sunlight to maintain microbial efficacy.</li> </ul>
<b>Compatibility</b>	Compatible with most organic fertilizers and growth enhancers. However, avoid mixing with highly alkaline substances (such as chemical fertilizers with high salt or lime content) as they may harm beneficial microbes.
<b>Sustainability and Environment</b>	<ul style="list-style-type: none"> <li>• Suitable for organic agriculture: does not harm the environment or beneficial organisms.</li> <li>• Helps maintain biodiversity by protecting beneficial insects (such as pollinators) and reducing reliance on chemical pesticides.</li> <li>• Improves soil carbon sequestration potential by enhancing microbial activity and organic matter content.</li> </ul>

# Biol Pro - All Purpose Biofertilizer



<b>Formulation / Presentation</b>	Liquid concentrate.		
<b>Characterization (Mineral and nutrient content)</b>	<ul style="list-style-type: none"> <li>• Nitrogen (N)</li> <li>• Phosphorus (P)</li> <li>• Potassium (K)</li> <li>• Magnesium (Mg)</li> <li>• Micronutrients</li> </ul>	<b>Physical Properties</b>	<ul style="list-style-type: none"> <li>• Water-soluble</li> </ul>
<b>Description</b>	Supports flowering and fruiting by providing N-P-K and micronutrients. Particularly effective in improving crop performance and soil health.		
<b>Active Ingredients</b>	<ul style="list-style-type: none"> <li>• Enhanced bioslurry.</li> <li>• Lactobacillus and amino acids.</li> <li>• Natural extracts: Allantoin, Gibberellins, Beta-carotene, Comfrey.</li> <li>• Broad spectrum of microorganisms, bacteria, and fungi.</li> </ul>		

## Benefits and Mode of Action

<b>Mode of Action</b>	<ul style="list-style-type: none"> <li>• Promotes plant growth and supports root development.</li> <li>• Strengthens plants' natural defenses against pests, diseases, and environmental stressors.</li> <li>• Soil remediation through the addition of beneficial microorganisms.</li> </ul>
<b>Dilution and Dosage</b>	<ul style="list-style-type: none"> <li>- <b>Preventive application:</b> Drench or fertigation: Dilute 1:20 parts water.</li> <li>- <b>Corrective Treatment (Pest Infestation or Disease Control):</b> Drench: Dilute 1:10 parts water. Foliar application (backpack sprayer): Dilute 1:5 parts water.</li> </ul>
<b>Frequency</b>	Apply preventively before planting or transplanting. <ul style="list-style-type: none"> <li>• Vegetables: Apply every 8-10 days via foliar spray and drench.</li> <li>• Fruit trees: Apply every 8-10 days to the soil, ensuring even distribution around the root zone.</li> </ul>
<b>Effectiveness</b>	Application effects are comparable to those of synthetic fertilizers when used according to dilution and frequency guidelines, with the added benefit of building long-term soil fertility.

## Important Information

<b>Shelf Life</b>	6 months.
<b>Safety and Handling</b>	<ul style="list-style-type: none"> <li>• Non-toxic to humans, pets, and beneficial insects when used as directed.</li> <li>• Wear gloves and protective eyewear during application to avoid skin or eye irritation.</li> <li>• Avoid spraying during heavy rain or strong winds to prevent runoff and drift.</li> <li>• Store in a cool, dry place away from direct sunlight to maintain microbial efficacy.</li> </ul>
<b>Compatibility</b>	Compatible with most organic fertilizers and growth enhancers. However, avoid mixing with highly alkaline substances (such as chemical fertilizers with high salt or lime content) as they may harm beneficial microbes.
<b>Sustainability and Environment</b>	<ul style="list-style-type: none"> <li>• Suitable for organic agriculture: does not harm the environment or beneficial organisms.</li> <li>• Helps maintain biodiversity by protecting beneficial insects (such as pollinators) and reducing reliance on chemical pesticides.</li> <li>• Improves soil carbon sequestration potential by enhancing microbial activity and organic matter content.</li> </ul>

# Biol Earth - Enriched Compost



<b>Formulation / Presentation</b>	Solid.
<b>Characterization (Mineral and nutrient content)</b>	<ul style="list-style-type: none"><li>• Nitrogen (N)</li><li>• Phosphorus (P)</li><li>• Potassium (K)</li><li>• Micronutrients</li></ul>
<b>Physical Properties</b>	<ul style="list-style-type: none"><li>• pH between 6.5 and 7.5</li><li>• Improves soil water-holding capacity, particularly in sandy soils.</li></ul>
<b>Description</b>	The compost manufacturing process includes the addition of enhanced bioslurry to improve microbial diversity, and basalt rock powder, which provides essential trace elements. pH, temperature, and moisture are controlled throughout the entire process.
<b>Active Ingredients</b>	<ul style="list-style-type: none"><li>• Enhanced bioslurry.</li><li>• Composted organic matter.</li><li>• Basalt rock powder.</li></ul>
<b>Benefits and Mode of Action</b>	
<b>Mode of Action</b>	<ul style="list-style-type: none"><li>• Improves soil structure, moisture retention, and drainage.</li><li>• Provides micro- and macronutrients (NPK).</li><li>• Supports microbial diversity and overall soil fertility.</li></ul>
<b>Dilution and Dosage</b>	Apply this pre-mixed, ready-to-use substrate in garden beds, pots, or as a soil conditioner to improve overall soil structure and fertility.
<b>Frequency</b>	<ul style="list-style-type: none"><li>• Apply to each new planting bed or pot before direct seeding or transplanting.</li><li>• Apply as a topdressing in growing areas or at the base of fruit and ornamental trees as an annual solid fertilizer.</li></ul>
<b>Important Information</b>	
<b>Shelf Life</b>	2 years.
<b>Safety and Handling</b>	<ul style="list-style-type: none"><li>• Non-toxic to humans, pets, and beneficial insects when used as directed.</li><li>• Store in a cool, dry place away from direct sunlight to maintain microbial efficacy.</li></ul>
<b>Sustainability and Environment</b>	<ul style="list-style-type: none"><li>• Suitable for organic agriculture: does not harm the environment or beneficial organisms.</li><li>• Helps maintain biodiversity by protecting beneficial insects (such as pollinators) and reducing reliance on chemical pesticides.</li><li>• Improves soil carbon sequestration potential by enhancing microbial activity and organic matter content.</li></ul>