



active
BioEarth®



Organic Liquid Fertilizer

Laboratory Tested Quality

Highly Concentrated Extract

Product Overview

BioEarth®active is organic liquid fertilizer extracted from premium quality vermicompost. BioEarth® is rich in Organic Matter, Humic Substances (Humic and Fulvic), 17 free Amino Acids, macro, micro and trace elements with balanced effective beneficial microorganisms.

Recommended Uses

BioEarth®active is highly concentrated extract with dilution ratio of 1 to 500 for drip irrigation and 1 to 1000 for foliar spray. BioEarth active® is recommended for grain crops, vegetables fodder, fruit trees, berry and flowers.

BioEarth®active Benefits to Plants!

- Stimulates Creation of Strong and Branching Root System
- Promotes Assimilation of Nitrogen, Phosphorus and Potassium, and Prevents Formation of Nitrates
- Increases Plant's Resistance to Diseases, Pests and Weather Conditions
- Improving Crops Quality by Increasing Efficiency of Enzymes Responsible for Respiration and Synthesis of Sugar, Protein and Chlorophyll
- Stimulates Plant Growth by Accelerating Cell Division
- Reduces Harvesting Period and Increases Crops Yield by 20 to 60 %

BioEarth®active Benefits to Soil!

- Formation of Soil Structure, Enriches Micro Flora
- Increases Sandy Soil Ability to Reserve Water and Nutrients
- High Capacity for Cation Exchange. Helps Transforming NPK Nutrients and Other Trace Elements Into a Form Available for Plants
- Acts as Chelator for Metal Ions Under Alkaline Conditions
- Promotes Decomposition of Pesticides Remains and Harmful Metabolites, Reducing Chemical Load on Soil
- Enriches the Soil with Organic Matter and Bio Humus, Increasing Oxygen Supply to the Soil

Average Analysis

HUMIC SUBSTANCES EXTRACT (W/V)	≥ 2.2 %	TOTAL FREE AMINO ACIDS	27,000 ppm
IN DRY MATTER BASIS (W/W)		ALANINE	1,750 ppm
ORGANIC MATTER	≥ 55.0%	ARGININE	6,100 ppm
TOTAL NITROGEN	≥ 2.8%	HISTIDINE	500 ppm
TOTAL PHOSPHORUS AS P2O	≥ 4.0%	LYSINE	6,000 ppm
TOTAL POTASSIUM AS K2O	≥ 3.0%	PROLINE	5,000 ppm
TOTAL FREE AMINO ACIDS	≥ 2.7%	THREONINE	6,500 ppm
C/N RATIO	15:1	TYROSINE	1,600 ppm
PH	7 to 9.5		
EC (1:100 SOLUTION)	0.2 to 1		
ASH (AS IS W/V)	25%		

1 Litre of BioEarth®active Makes

500 Litres of Root Irrigation

1000 Litres of Foliar Spray

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Crop	Recommendation	Dose	Dilution Ratio	
	Soil Preparation	3 to 7 Days before Planting	4 Litres / Per Hectare	1 : 500
	Seeds Treatment	<ul style="list-style-type: none"> • Period from 6 to 18 Hours Depending on Seeds Size • Rinse Seeds and Plant them within Maximum 3 Days from Soaking • For Potatoes, Dip The Roots for 15 Minutes Before Planting. 	33 ml. / 1 L of Water	1 : 30
	Potato	Root Irrigation: <ul style="list-style-type: none"> • Apply at Planting Stage. • Apply at Vegetative Growth Stage. • 2 Applications in Tuber Formation Stage. • 2 Applications at Beginning of Maturity Stage. { 14 Days Between Every Application } 	7 Litres Per Application Per Hectare	1 : 500
		Foliar Spray: <ul style="list-style-type: none"> • 1-2 Applications at Vegetative Growth. 	1 Litres Per Application Per Hectare	1 : 1000
	Fruits Trees	Root Irrigation: <ul style="list-style-type: none"> • 2 to 4 Applications at Soil Treatment Stage. • 2 Applications before Bud Burst Stage. • 2 Applications before Flowering Stage. • 2 Applications after Fruit Set Stage. • 2 Applications at the Fruit Maturity Stage. 	40 ml. Per Application Per Tree (Rate of 10 Litres Per Application Per Hectare)	1 : 500
		Foliar Spray: <ul style="list-style-type: none"> • Apply1 before Flowering Stage. • Apply2 after Fruit Set Stage. 	1-2 Litres Per Application Per Hectare	1 : 1000
	Pumpkin Cucumber, Pumpkin, Melon, Watermelon, etc.	Root Irrigation: <ul style="list-style-type: none"> • Apply1 at Planting Stage • Apply2 after 14 Days. • Apply3 before Flowering Stage. • Apply4 after Fruit Set Stage. • Apply every 14 Days During Continuous Production 	6 Litres Per Application Per Hectare	1 : 500
		Foliar Spray: <ul style="list-style-type: none"> • 2 Applications at Vegetative Growth. 	1 Litres Per Application Per Hectare	1 : 1000
	Solanaceous Tomatoes, Peppers, Eggplant, etc	Root Irrigation: <ul style="list-style-type: none"> • Apply1 at Planting Stage • Apply2 after 14 Days. • Apply3 before Flowering Stage. • Apply4 after Fruit Set Stage. • Apply every 14 Days During Continuous Production. 	6 Litres Per Application Per Hectare	1 : 500
		Foliar Spray: <ul style="list-style-type: none"> • 2 Applications at Vegetative Growth. 	1 Litres Per Application Per Hectare	1 : 1000
	Root Crops Carrots, Beets, Radish, etc..	Root Irrigation: <ul style="list-style-type: none"> • Apply1 at Planting Stage • Apply2 at (3-5 leaves) Stage. • Apply every 14 Days Until Harvest Period. 	6 Litres Per Application Per Hectare	1 : 500
		Foliar Spray: <ul style="list-style-type: none"> • 2 Applications at Vegetative Growth. 	1 Litres Per Application Per Hectare	1 : 1000

Crop	Recommendation	Dose	Dilution Ratio
	Root Irrigation: <ul style="list-style-type: none"> Apply1 after 7 Days of Planting. 2 Applications before Flowering Stag 2 Applications after Fruit Set Stage. 2 Applications at the Fruit Maturity Stage. 	8 Litres Per Application Per Hectare	1 : 500
	Foliar Spray: <ul style="list-style-type: none"> 2 Applications at Vegetative Growth. 	1 Litres Per Application Per Hectare	1 : 1000
	Below 1 Year: <ul style="list-style-type: none"> Apply every 15 Days. 	40 ml. Per Application Per Tree	1 : 500
	From 1- 3 Years <ul style="list-style-type: none"> Apply every 15 Days. 	40 - 60 ml. Per Application Per Tree	
	Large Tree (Less 10 Years): <ul style="list-style-type: none"> Apply every 15 Days Starting March Until August. Apply every 30 Days Starting November Until January. 	60 - 80 ml. Per Application Per Tree	
	Large Tree (Above 10 Years): <ul style="list-style-type: none"> Apply every 15 Days Starting March Until August. Apply every 30 Days Starting November Until January. 	80 - 100 ml. Per Application Per Tree	
	Below 3 Year: <ul style="list-style-type: none"> Apply every 21 Days. 	40 ml. Per Application Per Tree	1 : 500
	Above 10 Years: <ul style="list-style-type: none"> Apply1 in mid-December Apply2 in mid-January 2 Applications before Flowering Stage. 2 Applications after Fruit Set Stage. 2 Applications at the Fruit Maturity Stage. 	60 ml. Per Application Per Tree	
	Root Irrigation: <ul style="list-style-type: none"> Apply1 after 7 Days of Planting. Apply every 15 Days From Vegetative Growth to Fruit Maturity Stage. 	8 Litres Per Application Per Hectare	1 : 500
	Foliar Spray: <ul style="list-style-type: none"> 2 Applications at Vegetative Growth (15 Days between every Application). 	1 Litres Per Application Per Hectare	1 : 1000
	Root Irrigation: <ul style="list-style-type: none"> Apply1 at Planting Stage Apply2 at (3-5 leaves) Stage. Apply3 before Flowering Stage. Apply4 after Fruit Set Stage. Apply every 14 Days During Continuous Production. 	8 Litres Per Application Per Hectare	1 : 500
	Foliar Spray: <ul style="list-style-type: none"> Apply1 before Flowering Stage. Apply2 after Fruit Set Stage. 	1 Litres Per Application Per Hectare	1 : 1000
	Root Irrigation: <ul style="list-style-type: none"> Apply1 after 7 Days of Planting Stage. Apply every 14 Days Until Harvest Period. 	5 Litres Per Application Per Hectare	1 : 500
	Foliar Spray: <ul style="list-style-type: none"> 2 Applications at Vegetative Growth (10 Days between every Application). 	1 Litres Per Application Per Hectare	1 : 1000

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Crop	Recommendation	Dose	Dilution Ratio
 <p>Legumes Beans, Peas, Soybeans, Lupines, etc..</p>	<p>Root Irrigation:</p> <ul style="list-style-type: none"> Apply1 at Planting Stage Apply2 at (3-5 leaves) Stage. Apply3 at Budding Stage. Apply4 after 21 Days of 3rd Irrigation. 	5 Litres Per Application Per Hectare	1 : 500
	<p>Root Irrigation:</p> <ul style="list-style-type: none"> Apply1 at Planting Stage Apply1 at (4-5 leaves) Stage. Apply1 at Cabbage Head Forming Stage. Apply4 after 21 Days. 	7 Litres Per Application Per Hectare	1 : 500
	<p>Foliar Spray:</p> <ul style="list-style-type: none"> 2 Applications after Cabbage Head Forming Stage. 	1 Litres Per Application Per Hectare	1 : 1000
	<p>Root Irrigation:</p> <ul style="list-style-type: none"> Apply1 at Planting Stage 2 Applications at (3-6 leaves) Stage. 15 Days between every Application. Apply4 before Tasseling Stage. Apply every 15 Days During Maturity Stage 	7 Litres Per Application Per Hectare	1 : 500
	<p>Foliar Spray:</p> <ul style="list-style-type: none"> Apply before Flowering Stage - at Vegetative Growth. 	1 Litres Per Application Per Hectare	1 : 1000
	<p>Root Irrigation: Greenhouse Space is 500+- Square Meters.</p> <ul style="list-style-type: none"> Apply1 at Planting Stage Apply2 after 14 Days. Apply3 before Flowering Stage. Apply4 after Fruit Set Stage. Apply every 14 Days During Continuous Production. 	750ml-1.5 Litres Per Application Per Greenhouse	1 : 500
	<p>Root Irrigation:</p> <ul style="list-style-type: none"> Apply1 at Planting Stage. Apply2 at (2 leaves) Stage. Apply3 at Budding Stage. Apply every 14 Days During Continuous Production.. 	10 Litres Per Application Per Hectare	1 : 500
	<p>Grass:</p> <ul style="list-style-type: none"> Apply every 10 Days. 	5 Litres Per Application Per Hectare	1 : 1000
	<p>Garden bushes & Flowers:</p> <ul style="list-style-type: none"> Apply every 15 Days Starts From the First Spring to the First Winter. 	5 Litres Per Application Per Hectare	1 : 500
	<p>Evergreen Trees</p> <ul style="list-style-type: none"> Apply every 15 Days. 	40 ml. Per Application Per Tree	1 : 500