



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

1 Litre of BioEarth®active Makes

500 Litres of Root Irrigation

1000 Litres of Foliar Spray

Crop	Recommendation	Dose	Ratio of Dilution
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. 	33 ml. / 1 L of Water	1 : 30
Fruits Trees	<u>Root Irrigation:</u> <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 Maturity Stage 15 Days Between Every Application	40 ml. Per Application Per Tree (Rate of 10 Litres Per Application Per Hectare)	1 : 500
	<u>Foliar Spray:</u> <ul style="list-style-type: none"> • Apply 1st before Flowering Stage. • Apply 2nd after Fruit Set Stage. 	1-2 Litres Per Application Per Hectare	1 : 1000
Open Field Vegetables, Tomato, Strawberry.. etc.	<u>Root Irrigation:</u> <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 	5 to 8 Litres Per Application Per Hectare	1 : 500
The Greens Lettuce, Onion, Garlic, Parsley, Celery, etc..	<u>Root Irrigation:</u> <ul style="list-style-type: none"> • Apply1 after 7 Days of Planting Stage. • Apply Every 14 Days until Harvest Time. 	5 Litres Per Application Per Hectare	1 : 500
Greenhouse	<u>Root Irrigation:</u> Greenhouse Space 500 Square Meters. <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. 	750 ml - 1 L Per Application Per Greenhouse	1 : 500
Flowers Rose	<u>Root Irrigation:</u> <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