

Bio Orgo

Certified Organic Liquid Plant Growth Stimulant



Bio Orgo represents a formidable advance in harnessing bio-chemical growth stimulants for the benefit of agriculture, floriculture and horticulture. It boosts crop yield by enhancing growth at key stages of development. It is manufactured by controlled fermentation of young and succulent leaves aided by proprietary microorganisms. The finished product is a stable and balanced biological liquid concentrate that is rich in humic acids, amino acids and peptides, natural plant growth promoters (i.e. auxin and cytokinin), organically chelated macro / micro nutrients like Potassium, Phosphorus, Zinc, Iron, and Manganese. Humic acid stimulates plant enzymes, root growth, nutrient uptake and growth and proliferation of desirable soil microorganisms in the rhizosphere which help increase plant growth and yield. Humic acid chelated micronutrients provide ready bio-availability of these vital elements to the growing plant for better yield. Amino acids and peptides provide ready nutrition to microorganisms inducting more Nitrogen fixation and Phosphorus solubilization. A Potash rich formulation is a good source for improving crop quality. Presence of natural PGR in the formulation available during the early stages of plant growth (before it is able to produce its own supply), also helps to develop healthy crop-stand on the field. All these factors result in a stout plant which resists insect-pests and diseases, early crop maturity, improved crop quality and higher yield.

Fruit and vegetable crops when grown with BIO ORGO have shown improved fruit set and retention. For example, tomatoes and watermelons have a higher content of soluble solids. Onions can maintain their quality over a longer period. As for roses (especially the hybrid variety), the plant has profuse bearing with bigger flower size than normal. BIO ORGO can be mixed with potting compost as a liquid fertilizer BIO ORGO is a completely natural, non-toxic, and pH neutral product. It is fully water soluble and compatible with most pesticides. It can be used as seedling dip formulation and/or foliar spray for higher productivity of farm crops, fruits and vegetables as well as flowers.

Application Guideline and dosage :

For seedling dip :

Mix 25 ml in 1 litre of water. Dip the rootlets for 10 minutes, remove and transplant.

For spray :

Mix 10 ml in 1 litre of water. Spray about 200 Litres of this solution to cover one acre of land approximately 2 to 3 times during the crop growing season as described below.

1st spray: One month after transplanting.

2nd spray: Two months after transplanting.

3rd spray: At the onset of flowering.

Packaging :

1000 litre tank

200 litre barrel

5 litre carboy

1 litre plastic bottle

500 ml. plastic bottle

Storage : Store in a cool, dry place away from direct sunlight.

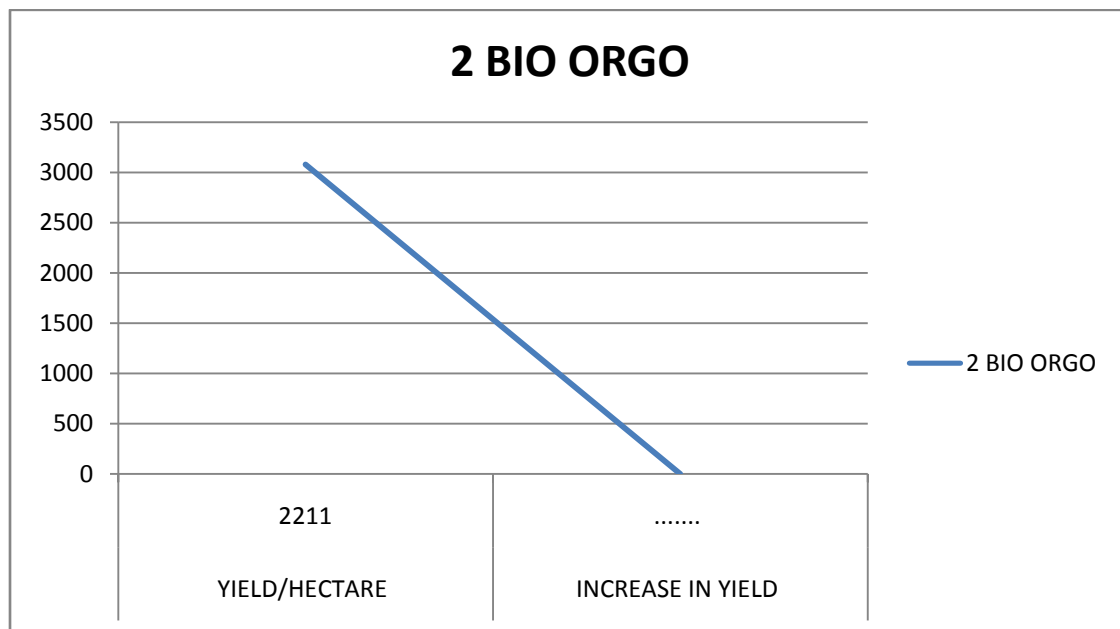
RESULTS OF BIO ORGO IN TOBACCO :

<p>Two Sprays of Bio Orgo 1st spray 25 to 30 days AFTER TRANSPLANTING 2nd spray 55 to 30 days AFTER TRANSPLANTING</p>
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DEMONSTRATION CARRIED OUT ON MR. CHANDUBHAI LALJIBHAI PATEL FARM
 WHOES RESULTS ARE SHOWN BELOW

S No.	TREATMENT	YIELD/HECTARE	INCREASE IN YIELD
1	CONTROL	2211
2	BIO ORGO	3078	39.2%



Certificate of Analysis

BIO ORGO

Liquid Plant Bio Stimulant

Batch No. : 043

Date of analysis : 29/07/2014

Mfg. Date : 29/07/2014

Sr. No.	Characteristic	Requirement	Results Obtained
1	HUMIC ACID	5.7%	Complies
2	TOTAL POTASH	0.85%	Complies
3	SP. GRAVITY	1.03 g/cc	Complies
4	SOLID CONTENT	34 mg/ml	Complies
5	pH	6.6	Complies

Remark: The above product complies as per specification.

For Nico Orgo Manures

For Nico Orgo Manures

Quality Control Dept.

Partner

Chemist

MATERIAL SAFETY DATA SHEET

BIO ORGO

SECTION 1 ----- CHEMICAL IDENTIFICATION -----

Name : **BIO ORGO** (aqueous plant extract)

Solubility Water - Soluble

& other Ether - Soluble

properties: Ethanol - Soluble

Boiling point 100 C

Specific gravity – 1 gm/cc

PH 7.6

Solid content – 31 mg/ml

Potassium - 2 %, Org. Carbon: 1.83 % , IAA(ppm): 2.55

Fe : 26 ppm; Peroxidase activity; 39.7

Note: Confidential business information has been omitted.

SECTION 2 ----- PHYSICAL IDENTIFICATION -----

Appearance: Dark brown liquid with typical organic odour.

SECTION 3 ----- HAZARDS IDENTIFICATION -----

Fire: Non inflammable. Non hazardous.

Other Hazards: Hazardous polymerisation will not occur.

Concentration of active ingredient (a.i.) 3 %(min)

SECTION 4 ----- FIRST AID MEASURES -----

No first aid measures necessary since non-toxic & non hazardous.

SECTION 5 ----- FIRE FIGHTING MEASURES -----

Non flammable

SECTION 6 ----- ACCIDENTAL RELEASE MEASURES -----

Non Toxic to wash the contact parts normally

SECTION 7 ----- HANDLING and STORAGE -----

Store in a cool, dry, & covered place. No other special arrangements required.

SECTION 8 ----- TOXICOLOGICAL INFORMATION -----

Non Toxic

SECTION 9 ----- EXPOSURE CONTROLS, PERSONAL PROTECTION -----

Does not require any special measures however it is advisable to wear gloves.

SECTION 10 ----- STABILITY AND REACTIVITY -----

Stable and non reactive

SECTION 11 ----- TOXICOLOGICAL INFORMATION -----

Non Toxic

SECTION 12 ----- ECOLOGICAL INFORMATION -----

Eco friendly and used for fertilizing soil & foliar.

SECTION 13 ----- DISPOSAL CONSIDERATIONS -----

Does not require special steps

SECTION 14 ----- TRANSPORT INFORMATION -----

Safe for transportation

SECTION 15 ----- REGULATORY INFORMATION -----

It is non toxic , non corrosive and does not contain any hazardous air pollutants.

SECTION 16 ----- ADDITIONAL INFORMATION -----

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Nico Orgo Manures assumes no legal responsibility for use or reliance on these data.