

# Orgozyme

Granulated Plant Growth Stimulant



A granular product based on a specialized plant extract, rich in amino acids, humic acid and growth promoting substances as well as organically chelated macro and micro nutrients.

## Mode of Action :

The growth promoting substances present in Orgozyme are gradually released to the plant resulting in steady growth of the plant. Its application increases the activity of rhizosphere microbes as the product is rich in amino acids, peptides and micronutrients, especially Fe and Zn. Rhizosphere microorganisms induce Nitrogen fixation and Phosphorus solubilization. Humic acid chelated micro nutrients like Fe and Zn are readily available to the plants which results in increased productivity and improved quality of cereals, vegetables, fruits, flowering plants, cotton, sugarcane, tobacco and other crops. Being rich in potassium, it imparts resistance to plant against abiotic and biotic stresses.

## Special Features:

- A ready to use granulated product which can be applied in nurseries as well as field crops.
- It can be applied with most pesticides and chemical fertilizers.
- Safe for crops, the soil and the environment.

## Application Guidelines:

**In a nursery:** Apply @ 50 kg / acre 10-15 days after germination.

**In field crops:** Apply @ 8 kg / acre at 30 and 60 days of crop growth .

## Packaging:

25 kg HDPE bags

4 kg HDPE bags

8 kg Plastic Bucket

## Storage:

Store in cool, dry place away from direct sunlight.

Research & Development Farm NICO ORGO MANURES, Dakor  
Effect of different products of company on the yield of chillies (Kharif-Rabi 2006)

Treatment	INCREASE IN YIELD OVER CONTROL (%)
NICOPLUS (TWO SPRAYS)	42.2
ORGOZYME (20 Kg/ha as Basal)	20.6
BIO-ORGO (TWO SPRAYS)	23.6
> N -GUARD (75% UREA)	38.2
> N-GUARD (100% UREA) *	49.5

# Certificate of Analysis

ORGOZYME

**Granulated Plant Bio Stimulant**

Batch No. : 062  
Date of analysis : 01/08/2014  
Mfg. Date : 01/08/2014

Sr. No.	Characteristic	Requirement	Results Obtained
1	Appearance	Granular- free flowing & dark brown.	Complies
2	Moisture	7%	Complies
3	Organic Matter	18 %	Complies
4	Nitrogen (N <sub>2</sub> )	1.39 %	Complies
5	Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0.26%	Complies
6	Potassium (K <sub>2</sub> O)	1.3%	Complies
7	Calcium	3.6%	Complies
8	Iron	900 ppm	Complies
9	Zinc	500 ppm	Complies
10	Sulphur	700 ppm	Complies
11	Humic Acid	2.85%	Complies

**Remark:** The above product complies as per specification.

**For Nico Orgo Manures**

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**Quality Control Dept.**

**Partner**

Chemist

MATERIAL SAFETY DATA SHEET

**Orgo Zyme**

**\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Name: Orgo Zyme (Granulated Plant Growth Stimulant)

Company Identification:

**Nico Orgo Manures**

**Opp.railway station,**

**Dakor-388225,**

**Gujarat, India.**

**Tel. 0091 2699 244403**

**Fax. 0091 2699 244903**

**\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS**

Bentonite Granual & Humic Powder

Note: Confidential business information has been omitted.

**\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\***

Fire : Non inflammable. Non hazardous.

Other Hazards: Hazardous polimerisation will not occur.

**\*\*\*\* 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 \*\*\*\***

Not applicable as being in powder form

**\*\*\*\* SECTION 7 - HANDLING and STORAGE \*\*\*\***

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

**\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\***

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

**\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\***

Appearance : Dark coloured granules with typical organic odour.

**\*\*\*\* 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

**\*\*\*\* 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.