

Orgo

Blended Organic Fertiliser



Orgo is made by the scientific blending of natural organic substances in such a way that it provides the nutrients and micronutrients necessary for crop growth and soil health/fertility. Nutrients such as Nitrogen, Phosphorus, Potassium, Sulphur, Calcium, Magnesium as well as Iron, Zinc, Copper, etc are contained in Orgo, which has an organic content of 65% (minimum), and performs the important function of preserving the organic, chemical and physical characteristics of the soil. The fertility of the soil increases and it becomes soft and porous. The humidity is also protected. Orgo can be used by itself or can be blended with conventional fertilizers to augment the results and improve soil fertility.

Nutrient Content:

Organic matter 65 – 85 %

Nitrogen (N) 2.75 - 3.75 %

Phosphorus (P O) 2.5 – 3.5 %, 2 5

Potassium (K O) 1.0 – 3.0 % 2

Calcium (CaO) 2.1 – 2.8 %

pH 6 -7

C/N Ratio <15

It also contains micronutrients such as Iron – Zinc – Magnesium– Manganese, etc. in ppms.

ORGO has a three tier effect on soil

- (1) Supplies Nutrients
- (2) Protects soil health
- (3) Conditions Soil

It increases enzymatic activity in the plant giving rise to increased chlorophyll synthesis. This results in Lush Green Growth in the plant which increases solar energy utilization and thus boosts the net photosynthesis and crop growth at key stages. A natural growth promoter present in Orgo helps in enhancing plant growth in a natural way which allows plants to make sufficient use of available moisture and plant nutrients to enhance crop growth at key stages. Orgo minimizes the use of synthetic pesticides because of the presence of natural repellants in its formulation and due to the presence of bio-active oil cakes of *Neem*, *Castor* and *Karanj*. Orgo contains some natural soil nitrification inhibitors like *Epinimbin* (Neem Cake) and *Karanjin* (Karanj Cake). These bio-chemicals minimize nitrification, leaching and run off. Orgo remains in the root-zone for a longer time, therefore plants can make more efficient and effective use of available nutrients. Its use leads to consistently

improved crop yields from 5-25% or more. Using Orgo in the fertilizer mix (suggested dose 50:50) reduces the need for split application of inorganic/chemical fertilizers, thus assuring overall economy in production as well as minimizing environmental pollution through leaching loss and ground water contamination. The use of Orgo helps produce a good harvest particularly of fruits and vegetables, which are nutritionally superior, taste better, have a good lustre & better keeping quality.

Application Guidelines :

- Recommended as a basal dose followed by a 2 application in mid season.
- Working Orgo into soil by ploughing and mixing with the soil gives better results than surface application.
- Apply with any standard fertilizer spreader and incorporate into top 10-15 cm of soil.
- Orgo can be used by itself or can be combined with chemical fertilizers or other organic fertilizers such as farm yard manure, poultry manure, compost etc. The quantity of chemical fertilizers can be reduced gradually.
- Orgo can also be combined with potting compost for good results.
- A soil application of Orgo combined with NICODERMA (*Trichoderma viride* 1%W.P) helps in managing soil borne pathogens.
- A soil application of Orgo combined with BIONICONEMA (*Paecilomyces lilacinus* 1%W.P) helps in nematode control.

Dosage:

250 kg per acre

Formulation:

Available in pellet form and as a coarse powder

Storage:

Store in cool & dry place away from direct sunlight.

Packaging:

1 ton jumbo bag
50 kg HDPE /LDPE bag
25 kg HDPE/LDPE bag

For gardens:

8 kg plastic bucket
2 kg plastic bucket
2 kg cardboard box

Dosage:

250 kg per acre On request we can blend our range of Bio fertilisers into Orgo

Orgo Results in cotton :



With Orgo

Comparison :



Cotton Result

With Orgo



Cotton Result :

Without Orgo

Orgo Result in Banana :



Sanjay Patel, Thasra, Gujarat Mob: +91 98256 49577

I applied just one bag of **ORGO** on 1/3rd acre on 20th July 2012, as an experiment.

The result has impressed me very much!





Our Personal Experiments :



Orgo used plants at atpadi and fruit from jinti (Phaltan)

Certificate of Analysis

ORGO

Blended Organic Fertilizer & Soil Conditioner

Batch No. : 531
Date of analysis : 01/08/2014
Mfg. Date : 01/08/2014

Sr. No.	Characteristic	Requirement	Results Obtained
1	Organic matter	69%	Complies
2	Nitrogen (N ₂)	3.11%	Complies
3	Phosphorus (P ₂ O ₅)	3.09%	Complies
4	Potassium (K ₂ O)	2.20 %	Complies
5	Calcium	2.5%	Complies
6	Ph	6.5	Complies

Remark: The above product complies as per specification.

For Nico Orgo Manures

Quality Control Dept.

Chemist

For Nico Orgo Manures

Partner

MATERIAL SAFETY DATA SHEET

ORGO

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

Commodity Name : **Orgo**

Company Identification :

**Nico Orgo Manures
Opp.railway station,
Dakor-388225,
Gujarat, India.
Tel: 0091 2699 244403
Fax: 0091 2699 244903**

CAS No: Since it is a blend of different materials, there is no single CAS number

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

Blended Organic Fertilizer made from Neem cake derived from cold press of Neem seeds in the powder form, Castor Cake derived from either cold press expellers or solvent extraction plants in powder form, Karanj Cake from cold press Karanj seeds in powder form, etc.

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

The product is non toxic and does not pose any health threat

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 ****

Since the product is non flammable, no special fire fighting measures applicable

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

Collect the spilled dust to avoid formation of dusts.

While sweeping & collecting spilled material manually, wear a mask to avoid breathing in.

****** 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 and mask.

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

Appearance: Dark brown powder with typical organic & Neem odour.

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

Stable and non reactive

Conditions to avoid: storage in rain or water flow.

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

Non Toxic and non hazardous

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

Eco friendly and used for fertilizing soil

Adopt good working practices so that product is not spilled or wasted.

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

Does not require special steps, however, should be done according to the guidelines of local authorities

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

Not classified as dangerous in the meaning of transport regulation

Safe for transportation

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

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

No directions prescribed and no symbols specified however it is advisable to keep out of reach of children & to wear gloves & mask

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

For additional information concerning this product, contact the following:

PRODUCT EMERGENCIES

Nico Orgo Manures
Opp.Railway Station,
Dakor-388225,
Gujarat, India.
Tel: 0091 2699 244611
Fax: 0091 2699 244903

The data and recommendations presented in this data sheet concerning the use of our product and the materials contain three in are believed to be accurate and are based on information which is considered reliable as of the date hereof. However, the customer should determine the suitability of such material for his purpose before adopting them on a commercial scale. Since the use our product by other is beyond our control, no guarantee, express or implied, is made and no responsibility assumed for the use of this material or the results to be obtained there from. Information on this form is furnished for the purpose of compliance with Government Health and Safety Regulations and shall not be used for any other purpose. Moreover, the recommendations contained in this data sheet are not to be constructed as a license to operate under, or recommendation to infringe, any existing patents, nor should they be confused with state, municipal or insurance requirements, or with national safety codes.

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.