

# Nico Plus

Plant growth promoter



A carefully researched biological concentrate, which can be readily diluted with water in a homogeneous, emulsifiable form ready for foliage spray in agriculture and horticulture crops.

Nico plus contains fatty alcohol, bio stimulants and other growth factors having higher absorption capacity through foliage. It enhances growth in a natural way that allows plants to make better use of available moisture and plant nutrients. It also increases cell division and enlargement which can lead to better quality products. It provides the strength to withstand abiotic and biotic stresses like drought and diseases. It also reduces immature flower / fruit dropping.

**Dosage:**

Mix 5 ml. of Nico plus in 1 litre of water.

1st Spray: 30-35 days after sowing.

2nd Spray: 55-60 days after sowing or at the onset of flowering.

Typically 400-600 l of spray solution is required per ha.

**Storage:**

**Nico plus** can be stored at room temperature but away from direct sunlight.

**Packaging:**

1000 litre tank

200 litre barrel

5 litre carboy

1 litre plastic bottle

500 ml. plastic bottle

**Extra Yield using Nico PLUS**

Crop Kg / Ha

Crop	Kg / Ha
Pulses	
Cow Pea	474
Pigeon Tea	165
Cereals	
Maize	556
Fruits	
Water Melon	6700
Vegetables	
Bottle Gourd	1150
Brinjal / Egg Plant	5100
Chilli	7000
Tomato	13400
	4900
Okra / L.Finger	1090
Cauliflower	3240
Tuber & Bulb Crop	
Potato	4600
	3600
Onion	1000
	600
Cash Crops	
Tobacco	322
	311
Oil Seeds	
Groundnut	412
Spices & Condiments	
Cumin	88
Fennel	86

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

Usefulness of NICOPLUS in increasing the Green Leaf Yield, Cured Leaf Yield and Top Grade Equivalent of Flue Cured Virginia Tobacco.

An experiment was conducted at Central Tobacco Research Institute, Rajahmundry to evaluate the efficacy of NICOPLUS in increasing the leaf yield of Flue Cured Virginia Tobacco during 1994-95.

Table.1. Effect of Nicoplus on Green leaf yield ( kg./ha.), Cured leaf yield ( kg./ha.) and Top Grade Equivalent ( kg./ha.) of Flue Cured Virginia Tobacco during the season 1994-95.

Sr. No.	Treatments	Green leaf yield (kg/ha.)	% Increase	Cured leaf yield (kg/ha.)	% Increase	Top Grade Equivalent (kg/ha.)	% Increase
1	CONTROL	7977	-----	1089	-----	703	-----
2	NICOPLUS	8482	6.33%	1463	34.34%	999	42.10%

Certificate of Analysis

**NICO PLUS**

**Liquid Plant Growth Promoter**

Batch No. : 028  
Date of analysis : 01/07/2014  
Mfg. Date : 01/07/2014

<b>Sr. No.</b>	<b>Characteristic</b>	<b>Requirement</b>	<b>Results Obtained</b>
1	Active Ingredient, Solanesol Content	0.14%	Complies
2	Solid Content	220 mg/ml	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

## NICO PLUS

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

Name : **NICO PLUS**

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

### 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.