

# NICO ORGO MANURES AND CROP CYCLE

*A Healthy Soil Begets a Healthy Plant*

## **Soil Preparation for nursery planting:**

A basal dose of *ORGO* blended fertilizer OR *ORGO NEEM* Neem seed fertilizer is recommended @ 150 kg /acre. This will help to generate organic matter in the soil and also controls soil borne insects.

In highly depleted soil, we recommend a mix of 50% *N-GUARD* nitrification inhibitor coated CAN/ Urea and 50% *ORGO* blended fertilizer as a basal dose before planting the seeds.

An application of *NEEMATE 10G* Neem based nematicide or *NICODERMA* bio-control agent at this stage will help control nematodes

## **Seed treatment:**

Treat the seeds with *BIONICONEMA* bio control agent @ 10g/kg seeds and apply *ORGO* blended fertilizer enriched FYM or compost.

## **Nursery Treatment:**

A soil application of *ORGOZYME* granulated plant growth stimulant is recommended 15-20 days after germination @50kg/acre

When the nursery has grown about 3 weeks a spray of *BIO-ORGO* plant bio stimulant ensures a healthy growth.

## **Soil preparation for the field:**

A basal dose of *ORGO* blended fertilizer is recommended @ 250 kg/acre mixed with 250 kg/acre of *N-GUARD* coated Urea/CAN.

Alternately we recommend 200 kg of *ORGO* blended fertilizer and 200 kg of *ORGO NEEM* Neem seed fertilizer in the soil as a basal dose at the time of land preparation at least one week before sowing.

It will be observed that the use of *ORGO* blended fertilizer at this stage controls the growth of weeds. It will also be observed that the use of *ORGO NEEM* will reduce nitrification losses and help increase fertilizer use efficiency.

In case of a **certified organic field**, 400 kg/acre of *ORGO NEEM* Neem seed fertilizer can be used for best results.

## **Transplantation:**

For optimum results, the nursery saplings are dipped in *BIO-ORGO* plant bio stimulant for 10 minutes before transplantation.

Before transplanting we recommend an application of Neem based nematicide *NEEMATE 10G*

15-20 days after transplanting we recommend an application of bio-control agent *NICODERMA* mixed with *ORGO* blended fertilizer.

A soil application of *ORGOZYME* granular plant bio stimulant at 30-60 days of crop growth will help improve yield.

In mid season a top dressing of 200 kg of *ORGO* blended organic fertilizer mixed with 200 kg of nitrification inhibitor *N-GUARD* coated Urea will help in increasing the yield by over 20%.

Alternately *ORGO NEEM* Neem seed fertilizer can be used for a certified organic field.

A spray of *BIO-ORGO* plant bio stimulant (10ml/litre of water) during the initial flowering stage will help increase yield.

A spray of *NICO PLUS* plant growth promoter one month after transplantation shows excellent results. It would be ideal to mix *NICO NEEM botanical* pesticide to *NICO PLUS* both @ 5ml/litre for this spraying as a deterrent to pest attack.

We recommend a second spray of *BIO ORGO* two months after transplanting and a final spray at the onset of flowering.

For pest management with only botanical pesticide; immediately after crop establishment spray *NICO NEEM* 300ppm @5ml/litre of water. This will help manage sucking pests and other insects as well as bacterial and fungal disease. It is recommended to repeat the spray every 20-30 days.

For IPM, *NICO NEEM* 300ppm can be applied with conventional insecticides. Reduce the dose of both by half i.e. 2-3ml/litre *NICO NEEM* and half the dose of chemical insecticide. This will have better insect management and resistance development in insect to chemical insecticide will be avoided.