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-ORG0 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-ORG*O 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 *ORG*O blended fertilizer.

A soil application of *ORG*OZYME 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 *ORG*O blended organic fertilizer mixed with 200 kg of nitrification inhibitor *N-GUARD* coated Urea will help in increasing the yield by over 20%.  
Alternately *ORG*O NEEM Neem seed fertilizer can be used for a certified organic field.

A spray of *BIO-ORG*O 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.