



*the power of silver
to protect your crop*

- Soil Sterilization
- Disease Prevention
- EC Correction
- Increases Shelf Life

Multi-component disinfectant for Agriculture



Product Features

- Proven formulation (ADVANCED NANO SILVER PEROXIDE) with penetration power - a technology based product
- Effective against nematodes
- Effective against all bacterial, fungal, viral diseases
- Eliminates spores
- No residual effect
- Applied for pre-plantation soil fumigation
- Can also be applied by foliar spraying, drenching and through drip for disease prevention and control
- Completely replaces all fungicides - Cost Saving
- Reduces requirement of pesticides by upto 70% - Cost Saving

List of few diseases that can be prevented/treated using Acurosil Nano+

Bacterial	Fire blight, Bacterial Wilt, Bacterial Leaf Spot or Blast, Crown Gall, Cercospora Fruit Spot, Blight, Erwinia Rot, etc.
Fungal	Damping Off , Early Blight, Apple Scab, Powdery Mildew, Panama Wilt, Anthracnose, Crown Rot, Pink Disease, Green Mold, Blue Mold, Black Spot, Downy Mildew, Rust, Black Root Rot, Fusarium Rot, etc
Viruses	Bunchy Top Virus, Streak, Mosaic, Leaf cupping and curling, Spotted Wilt, Crinkle, Phyllody, Yellow Dwarf, etc
Nematodes	Tylenchulus semipenetrans, Xiphinema, Pratylenchus, Longidorus, Paratylenchus hamatus, Rotylenchulus, Criconemella xenoplax, etc

Application & Dosage

Pre-plantation Soil Sterilisation

Pioneers of greenhouse cultivation recommend ACUROSIL NANO+ as a soil sterilant. It provides good control over soil-borne fungus and nematodes, leading to visual improvement in plant health of crops grown in sterilized beds.

Method of application:

1. Wet the beds with irrigation water upto 75% water holding capacity of soil
2. In pH neutral irrigation water, mix 30 ml ACUROSIL NANO+ in 1 ltr of water
3. Do not mix any chemical with this, since this solution is very reactive
4. Apply this solution @ 1 litre / m²
5. Leave this field undisturbed for 12 hours

You soil is now ready for plantation

Dosage: 120 kg to 150 kg per acre of plantation area

Preventive and Curative Treatment

By Drenching

2 to 5ml solution of ACUROSIL NANO+ per litre of water is used for drenching. Frequency of drenching may be from twice a week to twice a month depending on the current status of the crop, disease history of the crop, the plantation area or of the nearby fields. Frequency also varies according to weather and age of the crop.

By Foliar Spraying

1 to 3ml solution of ACUROSIL NANO+ per litre of water is used to prepare a solution which can be used as a foliar spray. The frequency of such spraying could vary depending on variety of factors and farmer should take advise of ACURO agronomist to decide spray schedule.

By Drip Irrigation

1 to 2ml solution of ACUROSIL NANO+ per litre of irrigation water is with fed to the plants through drip irrigation system. Using this solution once a fortnight leads to elimination of biofilm in the drip pipelines and prevention of clogging of nozzles due to slime build-up.

Using ACUROSIL NANO+ as a preventive treatment eliminates requirement of fungicides and reduces consumption of insecticides by 50-60%

Seed Treatment

2ml solution of ACUROSIL NANO+ in 1 litre of water is used for antibacterial and fungicidal treatment (or "dressing") prior to planting. Seed treatment greatly enhances germination and reduces plant mortality.

Post Harvest : Increases Shelf Life

Post harvest losses can be minimized by suitable post-harvest measures to increase the shelf life of fruits and vegetables by inhibiting bacterial and mould growth. Washing with fungicides/chemicals can leave bad taste and undesirable residual toxicity on the produce which can lead to consumer rejection. With strict environmental regulation and controls imposed by most importing countries on pesticide residue levels in force, its imperative to adopt eco-friendly treatments. ACUROSIL NANO+ is an eco-friendly; non-toxic alternative to fungicides / chemicals currently used as post-harvest treatments for domestic marketing and export trade.

Recommended Dosage: 2.5 - 5.0 ml per liter of water.

Tools and General Sterilization

2 to 5 ml solution of ACUROSIL NANO+ per litre of water is used for sterilisation and disinfection of all kinds of tools and implements used in agriculture like sowing tray, cutting knives, scissors, boots, clothes, etc. It can also be used for sterilization and antifouling treatment of RO plants.

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Eco Friendly Product

