

N-VIRO SOIL

N-VIRO SOIL is a valuable and versatile product manufactured from a combination of municipal waste-water bio-solids and mineral by-products.

N-VIRO SOIL is listed as a Class AA, Exceptional Quality (EQ) bio-solids made with a patented process which kills undesirable bacteria and weed seed without destroying the natural beneficial microbes. The process is Pasteurization, not Sterilization. It is U.S. EPA and FL DEP approved with NO restrictions.

N-VIRO SOIL is also a low cost alternative to lime, Dolomite and other expensive fertilizers. In the use of N-VIRO SOIL, phosphorous is plant available, so no phosphorous needs to be applied in other fertilizers.

By incorporating N-VIRO SOIL into your fertilizer program, using at least two (2) tons to the acre, you won't need more high-cal lime at all.

In using N-VIRO SOIL, the leaching of nitrates and phosphates can be reduced significantly.



Combine GM & AZAKARAN J

COMBINE GM is formulated to suppress parasites and minimize crop damage caused by insects. It sets up a protective barrier, enabling the plant to block parasitic insects without upsetting beneficial insects. This product is a natural biological pesticide. An added benefit is that the canker spore cannot penetrate the leaf as easily as it would if Leafminer is present, thus reducing the risk of both Greening and Canker in citrus.

N-VIRO SOIL

Average Material Analysis

Nitrogen	12 to 15 lbs./ton
Phosphorous	8 to 12 lbs./ton
Potassium	8 to 12 lbs./ton
Calcium	250 to 350 lbs./ton
CCE	17% to 28%
Magnesium	3 to 5 lbs./ton
Sulfur	30 to 40 lbs./ton
Manganese	0.1 lbs./ton
Boron	0.1 lbs./ton
Zinc	0.4 lbs./ton
Organic Matter	6% to 11%
Solids Content	> 60%
Working Density	65 lbs./cubic ft.

Guaranteed Analysis

Grade (.06-0, 4-0)

Total Nitrogen (N)	0.60%
Water Soluble Nitrogen	0.042%
Water Insoluble Nitrogen	0.558%
Available Phosphate (P205)	0.40%

Derived from Biosolids

FLORIDA LICENSE #F1759

**FOR MORE INFORMATION OR TO
SCHEDULE FIELD ASSESSMENTS CALL:**



**Nature Friendly
Products, Inc.**

**GREENING and CANKER
SOLUTION APPLICATIONS**

N-VIRO®

For All Crops, Turf, Grass & Ornamentals

GREENING

Three species of Bacteria Candidatus Liberibacter (Asian, African and American strains) can cause Greening Disease. The bacteria attack the tree's vascular system, restricting nutrient flow and cause localized zones of necrotic phloem scattered throughout the vascular system of the tree.

Symptoms vary according to variety. Some trees may be asymptomatic. Generally, though, symptoms are not expressed for up to three years following infection, but can develop more rapidly in young trees.

Controlling the Disease

Citrus industry experts say that a key element in managing Citrus Greening is to be able to control the insect vector, the Asian Citrus Psyllid (*Diaphorina Citri*).

Citrus Psyllids

The Psyllid is an insect specific to the citrus family, and populations grow when there is the presence of new flush growth on the tree and when temperatures are between 68 and 86 degrees F.



Management of Citrus Greening and Canker

Both Citrus Greening and Citrus Canker are more likely to invade citrus trees with young succulent shoots visible. Young leaf stomata are easily penetrated by wind-driven water carrying canker bacteria. Young leaves can easily be injured by wind or Citrus Leafminer larvae, allowing bacteria to enter. For greening infection, young expanding leaves are more attractive to the citrus psyllid, *Diaphorina Citri*, which is the primary vector.

NATURE FRIENDLY PRODUCTS, INC. has implemented a spray and nutritional program in the management of greening and canker that has produced evidence of effectiveness. Frequent sprays with Nature Friendly materials are recommended to suppress canker, psyllid populations and prevent psyllid feeding on citrus. Recommendations include nutritional with foliar and ground materials for a continual feeding of nutrients.

FOLIAR SPRAYS FOR GREENING AND CANKER

Recommended: Eight Sprays

METHOD FOR SPRAYING

1st Spray: Spray only every other middle.

Each following application, spray the alternate middles.

This is equivalent to 4 sprays when spraying both sides of the tree.

Citrus Spray Oil at 1% Oil mix will be used in every spray tank.

Example:

In 500 gallon tank use 5 gallons of oil.
In 1000 gallon tank use 10 gallons of oil

Spray Schedule

1st Spray	2nd Week of February
2nd Spray	Last Week of March
3rd Spray	2nd Week of May
4th Spray	Last Week of June
5th Spray	Last Week of July
6th Spray	3rd Week of September
7th Spray	Last Week of October
8th Spray	Last Week of November