



Soil Application – *for Nematode Resistant Management on Turf,
Landscape & Nursery Crops*

Guaranteed Analysis:

Total Zinc as (Zn)	1.60 %
1.60% water soluble zinc	
Total Manganese as (Mn)	0.76 %
0.76% water soluble manganese	
Total Iron as (Fe)	1.00 %
1.00% water soluble iron	
Total Copper as (Cu)	0.95 %
0.95% water soluble copper	
Total Sulfur as (S)	1.50 %
1.50% combined sulfur	

Derived from: Copper Sulfate, Manganese Sulfate,
Zinc Sulfate and Ferrous Sulfate.

Micronutrients above allow the plant to utilize and uptake the formulation
to build its defense mechanism against the attack from nematodes.

Additional Ingredients:

- Blend of propriety bacterial fermentation
- Specific amino acid and enzymes
- Biopolymers for maximum plant intake
- Surfactants

F1650

Store between 40° - 110° F

SHAKE WELL BEFORE USING

Direction for Use:

Tenant T&O™ is a GeneResponder™ Nutrient Technology that when applied to the soil helps a plant's root system repel and/or resist nematodes. Nematode infestations and make it difficult to grow quality turf, landscape and nursery plants. Soil nematodes that are found most frequently in turfgrasses and landscapes are ring, stunt, spiral, lance, root-knot, stubby-root and sting. While both the sting and the stubby-root nematodes have been shown to cause severe damage on turfgrasses, the sting nematode is the most damaging and frequently occurs in the sandy soils or on USGA standard greens. Plant parasitic nematodes that reproduce and feed on plants while their bodies remain in the soil are termed ectoparasites. Nematodes that move into the plant tissue to feed and reproduce are termed endoparasites. Tenant T&O aids the plant to resist both of these species.

Tenant T&O can enter the plant through foliage or roots, however it is better to apply Tenant T&O to the soil or by irrigating it into the soil thus allowing the product to move more freely throughout the root zone. Tenant T&O does not kill or eliminate the nematodes from the soil profile. Once in the plant, Tenant T&O will resist or repel both ectoparasites and endoparasites from the root zone. Testing the soil for the presence of these types of nematodes prior to the application of Tenant T&O is a good cultural practice. However, do not expect to see a reduction of nematode levels in the soil after application. Tenant T&O is not a nematicide. Instead look for healthy higher quality turf that shows lack of feeding on the root tissues of the plant.

Under heavy nematode damage, the plant will suffer from phosphorous deficiency, since it is difficult for phosphorous to enter the plant without root hairs. After application, Tenant T&O helps the plant resist the nematodes allowing the root hairs to improve. As the root hairs are restored, photosynthesis, respiration and transpiration are improved and the overall health of the plant is improved.

Types of Nematodes - Ectoparasites and endoparasites that affect roots are:

<i>Sting</i>	<i>Stubby-Root</i>	<i>Stunt</i>	<i>Ring</i>
<i>Lance</i>	<i>Root-Knot</i>	<i>Spiral</i>	

Temperature of Nematodes Influence:

Nematodes are active under a wide range of soil temperature. High soil temperatures will show greater effects on the plant because it inhibits the transpiration of water throughout the plant. While lower soil temperatures will have less effect on the plant due to less water movement in the plant respiration and transpiration cycles. Tenant T&O can be applied throughout the year once soil temperature reaches 50° F in the top 4 inches of the soil.

Tenant T&O Application Rates:

Apply Tenant T&O at a rate of 32 oz./acre (1 qt./acre) in 50 -100 gallons of water. Make second application of 32 oz./acre in 120 -150 days after the initial application. Apply on the soil surface of home lawns, commercial turf, sports fields, sod farms, golf greens, tees, fairways, city parks, greenscapes around schools, nursery containers, field-grown nursery crops and landscape situations in general. Water Tenant T&O into the soil with ¼ to ½ inch of water after application to allow it to be absorbed into the plant from the root system.

It is best, if the application of Tenant T&O is applied prior to heavy infestation of nematode activity in the soil.

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