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DiTera®

Some commonly asked questions on the use of DiTera:

1. How does DiTera work?

DiTera is a fermentation product based upon a naturally occurring microorganism (*Myrothecium spp.*) which was originally isolated from a cyst nematode. DiTera kills adult nematodes on contact. Depending on concentration, DiTera can also inhibit hatching and development of nematode eggs, modify the behavioral orientation of nematodes to plant roots and alter the plant's rhizosphere microbiology, thus contributing to an overall reduction of nematode damage.

2. What nematode species does DiTera control?

Research has shown that DiTera is effective against a number of plant-infecting nematode species, including root-knot, cyst, lesion, stubby root, sting and several others.

3. When is DiTera applied?

DiTera has a number of flexible application options, including pre- or post-plant treatment. The actual treatment should be based on crop, state of crop development, nematode count, nematode population cycle, soil type and other environmental factors.

4. How serious is the nematode problem?

Plant parasitic nematodes can infect numerous crops and cause significant reduction in crop yield and quality of produce. Nematodes also can cause significant damage in turfgrass. According to the Society of Nematologists, nematodes cause \$6 billion in damage annually in the United States. Nematodes generally feed on the plant roots, which in turn affect nutrient absorption. In addition, nematodes may transmit other pathogens to plants.

5. Is DiTera a replacement for products such as methyl bromide?

DiTera is not a fumigant and does not control weeds, insects or plant disease. Therefore, it is not a direct replacement for methyl bromide or other fumigant nematicides. DiTera is a specific nematicide that can be used as part of an integrated pest management program in conjunction with other pesticides such as herbicides, insecticides and fungicides.

6. What are the benefits of DiTera?

A timely application of DiTera reduces nematode populations below economic threshold levels. Reduction of nematode populations during critical stages in plant development improves overall plant vigor, resulting in yield and quality enhancement. In addition, applications of DiTera may affect some agronomic fertilizer and pesticide programs favorably. Benefits of DiTera for an individual situation should take into account a number of factors, including nematode counts and species; crop type and development; soil type and nutrient levels; and the safety needs of applicators, non-target organisms and the environment.