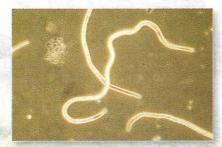


WHAT ARE NEMATODES AND HOW DO THEY AFFECT CROPS?

- · Nematodes are thread-like roundworms invisible to the naked eye.
- They affect many crops including bananas, tobacco, tomatoes, citrus, potatoes, cotton and peanuts.
- Plant pathogenic nematodes attack roots and other plant parts, causing instability (toppling disease), stunting and yield reduction.
- Nematode-infected plants are not only weakened, but their root systems are more susceptible to secondary infections by fungi or bacteria.
- Crops under nematode attack are patchy, weak, sick and low yielding.



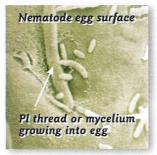
photograph of nematodes taken through a microscope at 400 x magnification



Untreated tomatoes in Kenya with severe nematode damage, that led directly to massive losses in yield and decreased plant stability.



CONTROLLING NEMATODES NATURALLY WITH PL PLUS DOUBLE STRENGTH



When the spores in PI Plus DS are mixed with BCP's specially formulated Growth Medium and put back into the soil, they germinate on the nematode egg surface into fungal threads that penetrate the nematode egg and destroy them from the inside out. (Electron micrograph taken by Rita Holland, MUCAB, Australia.)

HOW EFFECTIVE IS PL PLUS?

PI Plus DS is registered in several African countries, including South Africa, Zimbabwe, Kenya and Mozambique as a nematicide. These registrations are subsequent to 9 years of field research in Australia and the Philippines and a further 4 years of successful field trials in various crops in South Africa.

Citrus

PI Plus DS can be used alone or in rotation with chemical nematicides, improving yield and fruit size. Worker safety has also been significantly improved.

Grapes

PI Plus DS is easily applied to both table and wine grapes; producing crops of high quality and reduced residue risk.

Tobacco

PI Plus DS is being recommended as a replacement for the highly toxic fumigants, which are now being banned in the industry.

Tomatoe

PI Plus DS provides natural control of nematodes thereby extending plant life raising yields and producing higher quality, tasty tomatoes.

Bananas

PI Plus DS is reducing dependency on chemical nematicides and protecting these products from Accelerated Microbial Degradation (AMD).

Vegetables

PI Plus DS is allowing the production of high quality vegetables free from pesticide residues, which are now being demanded by consumers.

Ornamentals

Export flower producers can control nematodes without using toxic pesticides that are banned or heavily restricted by the importing countries.

RECOMMENDED RATES

For effective nematode control with PI Plus DS apply every 3 to 4 months at a rate of 2kgs per hectare, or as recommended.

PI Plus DS comes with a unique "Growth Medium" which increases the sporulation rate of the *Paecilomyces* fungus, which germinate and feed on the nematodes.

PI Plus DS is a living organism and needs to be stored at low temperatures to ensure maximum viability.

APPLICATION

PI Plus DS may be applied through conventional spray, micro and drip irrigation systems, by hand using watering cans, cups etc.



Increased yields and profits are achieved through healthier root systems and reduced plant stress.



Vegetable crops in Kenya thriving with the assistance of PI Plus DS.

CHARACTERISTICS OF PL PLUS DS

IPM Compatible

- May be used in conjunction with specific chemical nematicides.
- · Ideal component in any anti-resistance strategy.

Natural Inhabitant In The Soil

- Overdosing not possible.
- · Does not leach, PI Plus DS becomes part of the soil.

Environmentally Compatible

- · Promotes the re-establishment of beneficial organisms in the soil.
- Particularly well suited for organic farming.
- EcoCert approved.
- · No residues left in the soil.

New Approach To Nematode Control

 This eco-friendly nematicide attacks only plant parasitic nematodes and not any other beneficial nematodes or soil organisms.

Total Safety

- · Safe for farmers, workers, the environment and consumers.
- No residues in crops.
- · Zero MRL and zero PHI.

WARNINGS

- The active ingredient of PI Plus DS is a living organism. The formulated product contains viable spores. With excessive temperatures these spores, like most biological organisms, become less viable leading to reduced efficacy.
- Potency of PI Plus DS is reduced when applied to soils containing high residue levels of fungicides (e.g. copper, mancozeb, captan, metiram, benomyl and pentachloronitrobenzene).
- Use as soon as possible after sealed package is opened.
- Do not leave the powder or mixture standing in the sun.

PRECAUTIONS

- Spray mixture left in the applicator for extended periods, may lead to fungal growth that may cause blockages.
- · Use before expiry date indicated on label.
- Follow good irrigation management practices.
- Ensure spray equipment is clear of contamination and non-compatible fungicides.

OTHER PRODUCTS AVAILABLE FROM BCP

Bb Plus: Spores of the fungus *Beauveria bassiana* that work as a contact

insecticide. This product can control insects such as red spider mites and aphids in gardens, tunnels, glass houses and other methods of

intensive production. Bb Plus is totally non-toxic and IPM compatible.

Bb Weevil: A special formulation of *B. bassiana* for use with traps in the control

of the banana weevil.

Root Plus: Fungal spores formulated as a soil inoculant. When established in

the soil these fungi improve root development, thereby accelerating plant growth. Healthy roots produce healthy plants that yield more and are better equipped to withstand pests, diseases and

environmental stresses.

Tricho Plus: A fungal inoculant that can control many common soil diseases,

especially those associated with 'damping off'. This product also promotes root health and thereby enhanced plant growth and yield.

Green Muscle: A special strain of the fungus *Metarhizium anisoplae* which has been

developed internationally for the control of locusts and grasshoppers. Green Muscle can replace toxic pesticides and is fully supported by

the FAO and environmental organisations.

Orka: A range of products with seaweed and micronutrients which stimulate

many aspects of the growth and development of plants. Highly cost-

effective.

Cytozyme: Tried and trusted over many years throughout the world, this range

includes bio-stimulants, seed dressings and a product that promotes the breakdown of stubble. Increasing fruit and berry size is a significant

function of these products.

Spin: A blend of beneficial fungi that promotes healthy soil structure and

is used to inoculate soils, crop residues, composts and compost

'teas'.

Bac-up: A bacterial soil inoculant that maintains and corrects the microbial

balance in soils and root systems. These are high-performance

strains of selected microbes.

Defender: A beneficial bacteria that defends its space in the root and leaf

environments from invasion by opportunistic pathogens. This microbe also reduces disease incidence by stimulating the natural immune system of a plant otherwise known as SAR (Systemic Activated

Resistance).

Web Starter: This is a unique formulation of activators and bio-stimulants that

promotes the germination and multiplication of beneficial soil microorganisms. Can be used on its own or with any BCP microbial

organisms. Can be used on its own or with any BCP microbial product.

Distributor



Manufactured B

- P.O.Box 15132, Ashwood 3605
- E-mail: info@biocontrol.co.za
- Website: www.biocontrol.co.za

