

Biological Control Of Plant Parasitic Nematodes Soil Ecosystem Management In Sustainable Agriculture

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Biological Control Of Plant Parasitic

Twenty years have elapsed since that last book was published dedicated to biological control of nematodes and to this day a robust commercially successful biological control agent for plant parasitic nematodes is not routinely used.

Biological Control of Plant-Parasitic Nematodes ...

Biological Control of Plant-Parasitic Nematodes: An Ecological Perspective, a Review of Progress and Opportunities for Further Research Pages 1-38 Stirling, Graham R.

Biological Control of Plant-Parasitic Nematodes ...

the biological control of plant-parasitic nematodes has been widely studied in numerous crops, as maize (Alvarado-Herrejón et al., 2019), and even in energy crops such as switchgrass

(PDF) Biological Control of Plant-Parasitic Nematodes by ...

Biological Control of Plant-parasitic Nematodes (2nd edition). BOOK REVIEW. G.R. Stirling., 510pp. ISBN 1-78064-415-9. 2014. Wallingford, UK. CAB International.

(PDF) Biological Control of Plant-parasitic Nematodes (2nd ...

Annual Review of Phytopathology Management of the Antagonistic Potential in Agricultural Ecosystems for the Biological Control of Plant Parasitic Nematodes R A Sikora Annual Review of Phytopathology Plant-Parasitic Nematodes and Food Security in Sub-Saharan Africa Danny L. Coyne, Laura Cortada, Johnathan J. Dalzell, ...

Biological Control of Plant-Parasitic Nematodes | Annual ...

Plant invasions cause biodiversity loss and degradation in ecosystems worldwide. The invasive species involved may be introduced, or native invaders, and controlling them is a major global challenge. Here, we highlight an emerging role for native parasitic plants in suppressing invasive species, thus aiding in restoration of affected habitats.

Native parasitic plants: Biological control for plant ...

Abstract. Biological control of plant-parasitic nematodes can be accomplished either by application of antagonistic organisms, conservation and enhancement of indigenous antagonists, or a combination of both strategies.

Utilization of Biological Control for Managing Plant ...

Biological control is an important component of all nematode management programs, and with a particular focus on integrated soil biology management, this book describes tools available to farmers to enhance the activity of natural enemies, and utilize soil biological processes to reduce losses from nematodes.

Biological Control of Plant-Parasitic Nematodes: Soil ...

Biological control or biocontrol is a method of controlling pests such as insects, mites, weeds and plant diseases using other organisms. It relies on predation, parasitism, herbivory, or other natural mechanisms, but typically also involves an active human management role.It can be an important component of integrated pest management (IPM) programs.

Biological pest control - Wikipedia

Parasitic plant, plant that obtains all or part of its nutrition from another plant (the host) without contributing to the benefit of the host and, in some cases, causing extreme damage to the host. The defining structural feature of a parasitic plant is the haustorium, a specialized organ that penetrates the host and forms a vascular union between the plants.

Parasitic plant | botany | Britannica

Plant-parasitic nematodes are one of multiple causes of soil-related sub-optimal crop performance. This book integrates soil health and sustainable agriculture with nematode ecology and suppressive services provided by the soil food web to provide holistic solutions. Biological control is an important component of all nematode management programmes, and with a particular focus on integrated ...

Biological Control of Plant-parasitic Nematodes - CABI.org

Plant-parasitic-nematodes represent a major threat to the agricultural production of different crops worldwide. Due to the high toxicity of chemical nematicides, it is necessary to develop new control strategies against nematodes. In this respect, filamentous fungi can be an interesting biocontrol alternative. The genus *Trichoderma*, mycorrhizal and endophytic fungi are the main groups of ...

Frontiers | Biological Control of Plant-Parasitic ...

Parasites (ectoparasites or endoparasites) are a major cause of diseases in man, his livestock and crops, leading to poor yield and great economic loss. To overcome some of the major limitations of chemical control methods such as rising resistance, environmental and health risks, and the adverse effect on non-target organisms, biological control (biocontrol) is now at the forefront of ...

Biological Control of Parasites | IntechOpen

Biological control is understood here in the classical sense, which is precisely defined by De Bach (1964) as 'the action of parasites, predators or pathogens in maintaining another organism's population density at a lower average than would occur in their absence'.

Prospects for the biological control of plant-parasitic ...

parasites lags for behind for plant pests. Among the discouraging remarks are statements that natural enemies are not efficient for biological control, because the population of parasites is so large and that there is little potential for biological control (Cole., 1965).

Biological Control of Parasites - IntechOpen

biological control. Even in the related fields of plant pathology, where interest in biocontrol quickened during the last decade or so, biological control now offers answers to many serious disease problems in modern agriculture. The relatively recent recognition of the importance of plant parasitic nematodes, the need to

BIOLOGICAL CONTROL OF PLANT-PARASITIC NEMATODES

Biological Control of Plant Pathogens The Plant Health Instructor. DOI: 10.1094/PHI-A-2006-1117-02.Updated 2011 Kamal Krishna Pal*Visiting Scholar, Department of Plant Pathology, Ohio State University, OARDC, Wooster, OH *Permanent address: National...

Biological Control of Plant Pathogens

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