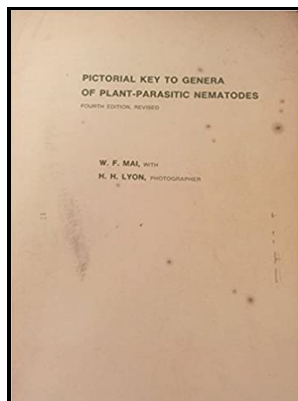


Pictorial key to genera of plant parasitic nematodes

Dept. of Plant Pathology, New York State College of Agriculture, a Unit of the State University of New York, Cornell University - Introduction to Plant



Description: -

-

Fishery management -- Columbia River.

Fish-culture -- Columbia River.

Plant parasites -- Identification.

Plant nematodes -- Identification. Pictorial key to genera of plant parasitic nematodes

-Pictorial key to genera of plant parasitic nematodes

Notes: Includes bibliographical references.

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Pictorial Key Genera Plant Parasitic Nematodes

Sustainable management of plant parasitic nematodes can be achieved through an integration of different tactics that fall into five broad strategies: -
i Preventing introduction and spread of nematodes ii Cultural practices, particularly cropping systems, fallowing, resistant cultivars and organic amendments. At the head of a plant-parasitic nematode is a hollow mouth spear like a hypodermic needle called a stylet Figure 3, 4. Nato ASI Series Series A: Life Sciences , vol 7.

Identification of Nematodes in Areas Where Nematology is Little Developed

Direct damage to plant tissues by shoot-feeding nematodes includes reduced vigor, distortion of plant parts, and death of infected tissues depending upon the nematode species. While biological control agents kill nematodes in controlled laboratory settings, implementation of biological control methods in the field is not done due to the expense and difficulty of growing large amounts of nematode pathogens. Resistant stages also aid the nematode in dispersal.

Plant

Soil fumigants became popular because they did not rely on alternative host crops for rotation; they drastically reduced nematode populations in the soil, and were cost effective for most crops.

Identification of Nematodes in Areas Where Nematology is Little Developed

The EPA is also restricting the use of non-fumigant nematicides. Also included in this group with nematodes are insects, arachnids and crustaceans.

Nematode Diseases of Plants

A general overview of the entire phylum Nemata sometimes called Nematoda , as set out by Maggenti 1981 , is presented first.

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