NATIONAL WEBINAR

Inaugural Address

Dr. R. C. Srivastava
Vice-Chancellor, RPCAU

Management of root rot disease of horticultural crops

24th November, 2020
10.30 AM -1.30 PM

Virtual Platform: Cisco webex

Join Meeting

Department of Plant Pathology
PG College of Agriculture & ICAR-AICRP (Fruits)
Dr. Rajendra Prasad Central Agricultural University,
Pusa (Bihar)

About Webinar

Root rot is a serious threat to agriculture especially in horticulture worldwide, continuously reducing yields and posing risk to crop survival. Depending on the causal agent, host susceptibility, and the environmental factors, entire fields can be lost to this disease. Bacterial and viral root rots are less common and not many studies have reported these causal agents. Oomycetes and fungi have been found to be the most commonly widespread root rot pathogens. Reported Oomycetes are Aphanomyces spp., Pythium spp., and Phytophthora spp. Several fungi were reported to cause root rot, including, Rhizoctonia spp., Fusarium spp. and Phoma spp., etc. These diseases are highly influenced by the environment, with a broad range of hosts, hidden underground symptoms, and overwinter structures of many roots rot pathogens, disease control and management are very complex and hard to achieve.

These diseases are highly influenced by the environment, with a broad range of hosts, hidden underground symptoms, and overwinter structures of many roots rot pathogens, disease control and management are very complex and hard to achieve. In Bihar over the last five year, papaya root rot incited by Fusarium solani has been creating havoc to papaya growers of Bihar as this disease cause more than 80% mortality in infected field. To date, no management strategies have been worked out to manage the menace of this disease.

Keeping in view of the disaster of root rot in various horticultural crops the proposed National Webinar on Management of root rots disease of horticultural crops has been planned to invite eminent Plant Pathologists specialized in the management of root rot disease. The outcome of the discussion during the national webinar will be helpful in planning research strategies for proper management of root rot in horticultural crops.

E-CERTIFICATE TO ALL PARTICIPANTS

Dr. Rajendra Prasad Central Agricultural University Pusa (Bihar)

SPEAKERS

24th November, 2020 (10.30 AM -1.30 PM)

Eco-friendly management of soil borne diseases of horticultural crops . Dr. HB Singh, Ex Professor & Head (Mycology & Plant Pathology) BHU, Varanasi

Pythium spp. on vegetable crops: Major challenges and progress in disease management.
Dr. Pratibha Sharma, ICAR- Emeritus Scientist, ICAR

Root rot disease in tropical fruit crops and their management. Dr Subbaraman Sriram, Principal Scientist, IIHR, Bengaluru, Karnataka

Plant Parasitic Nematodes - Root Rot complex and its management in horticultural crops.
Dr SS Vaish, Prof. & Head (Mycology & Plant Path.), BHU, Varanasi

Etiology, symptomatology and integrated management of root rot of papaya incited by *Fusarium solani.* Dr SK Singh, Professor (Plant Pathology) P.I., ICAR-AICRP (Fruits) & Assoc. Director Research II

Dr. Rajendra Prasad Central Agricultural University Pusa (Bihar)

Organizing Team

Conveners

- **Dr Mithilesh Kumar,** Director Research
- **Dr KM Singh,** Dean, PG College of Agriculture
- **Dr SK Jain**, Principal Investigator, NAHEP

Organizing Secretary

- **Dr SK Singh, Professor** (Plant Pathology) & Associate Director Research
  sksingh@rpcau.ac.in. Mob. 8789772425

Programme Coordinators

- **Dr Bimla Rai,** Professor (Plant Pathology) & Head
- **Dr PK Jha,** Professor(Plant Pathology)

Organizing team & Repporteurs

- **Dr Dinesh Rai,** Assistant Professor & Scientist (Plant Pathology)
- **Dr Sangita Sahani,** Assistant Professor & Scientist (Plant Pathology)
- **Dr Ashis Panda,** Assistant Professor & Scientist (Horticulture)

Members

- **Dr Birendra Kumar,** Professor(Plant Pathology)
- **Dr SN Singh,** Associate Professor(Plant Pathology)
- **Dr Phool Chand,** Assistant Professor
- **Dr RK Ranjan ,** Assistant Professor
- **Dr CS Choudhury,** Assistant Professor
- **Dr AK Mishra,** Assistant Professor
- **Dr Minatullah,** Assistant Professor

Technical Support

- **Er Sneh Sansar,** Assistant Engineer
- **Sri Vivek Patel,** Lab Technician

Programme

Topic	Speaker	Time
Welcome address	**Dr Mithilesh Kumar** , Director Research Dr Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar	10.30-10.35 AM
About Webinar	**Dr SK Singh**, Professor (Plant Pathology) Principal Investigator, ICAR-AICRP(Fruits)& Associate Director Research II Dr Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar	10.35-10.40 AM
Inaugural address by Hon'ble Vice Chancellor	**Dr RC Srivastava**, Vice Chancellor Dr Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar	10.40-10.50 AM
Eco-friendly management of soil borne diseases of horticultural crops	**Dr HB Singh**, FNAAS Ex Professor (Plant Pathology) & Head, Department of Mycology& Plant Pathology, IASc, BHU, Varanasi, UP	10.50-11.20 AM
Pythium spp. on vegetable crops: Major challenges and progress in disease management	**Professor (Dr) Pratibha Sharma** ICAR- Emeritus Scientist, Former Pr. Scientist and Professor (ICAR- IARI)	11.20 - 11.50 AM
Root rot disease in tropical fruit crops and their management	**Dr Subbaraman Sriram**, Principal Scientist, IIHR, Bengaluru, Karnataka	11.50-12.10 PM
Plant Parasitic Nematodes and Root Rot complex and its management in context to horticultural crops	**Dr SS Vaish**, Professor (Plant Pathology)& Head, Department of Mycology& Plant Pathology, IASc, BHU, Varanasi, UP	12.10-12.40 PM
Etiology, symptomatology and integrated management of root rot of papaya incited by *Fusarium solani*	**Dr SK Singh**, Professor (Plant Pathology) Principal Investigator, ICAR-AICRP(Fruits)& Associate Director Research II Dr Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar	12.40-1.10 PM
Vote of Thanks	**Dr Bimla Rai** Head, PG Department of Plant Pathology Dr Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar	1.10-1.30 PM