

Fusarium

Natural Habitats Soil • Plant pathogen causing root rot, stem rot, and wilt of many ornamental and crop plants.

Suitable Substrates in the Indoor Environment Often found in humidifiers • Wet, cellulose-based building materials

Water Activity $A_w=0.86-0.91$

Mode of Dissemination Insects • Water droplets, rain • Wind when spores become dry

Allergenic Potential Type I allergies (hay fever, asthma)

Potential Opportunist or Pathogen Esophageal cancer is believed to happen after consumption of *F. moniliforme* infected corn • Keratitis • Endophthalmitis • Onychomycosis • Cutaneous infections • Mycetoma • Sinusitis • Pulmonary infections • Endocarditis • Peritonitis • Central venous catheter infections • Septic arthritis • Neurological disease in horses after consumption of *F. moniliforme* infected corn • Respiratory disease in pigs after consumption of *F. moniliforme* infected corn

Industrial Uses Biological Weapon

Potential Toxins Produced Trichothecenes • Zearalenone • Fumonisin

Other Comments Major plant pathogen



LAB SERVICES: Asbestos, Mold, Bacteria, Industrial Hygiene, Metals, Allergens, PCR-Polymerase Chain Reaction (DNA), Silica, Volatiles Scan, Formaldehyde by HPLC, Water and Materials Testing.



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