# Fusarium

**Natural Habitat**
- 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**
- Aw=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
- Fumonisins

**Other Comments**
- Major plant pathogen

**References**