

# Pathology

Pathology is the study and diagnosis of disease (from the greek *pathos*).

# Phytopathology

Phyton + Pathos + Logos = Plant + Suffering/ailments + Study/knowledge

# Disease

Disease is an abnormal (unhealthy) condition that triggers a response from a plant (symptoms)

# Parasite

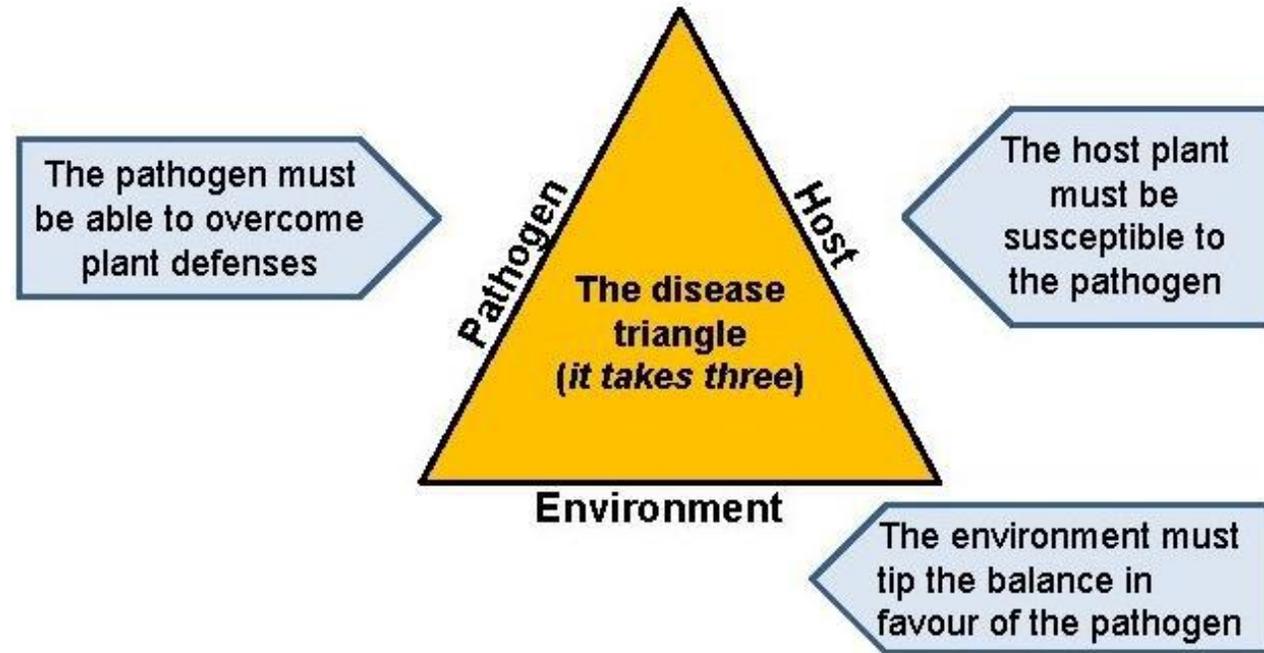
A parasite is an organism that lives **inside** or **on** another organism, called **host** organism, getting its food from, or at the expense of, its host.

# Pathogen

Pathogens are **disease** causing agents after infection

Usually, all pathogens are also parasites, but not *vice versa*.

# The Plant Disease Triangle (PDT)



Plant disease occurs when a **virulent pathogen** comes into contact with a **susceptible host** at a time when the **environment** is **favorable** for the development of disease.

# Tolerance

Tolerance is the host's ability to reduce the effect of infection on its fitness regardless of the level of pathogen multiplication

# Susceptibility

Susceptibility is the inability of a plant variety to restrict the growth and development of a specified pest or pathogen

# Diagnosis

Diagnosis is the process of determining the cause of a plant disease/disorder

# Defence

Defence is the capability of plants to protect themselves against pathogens

# Eustress

Eustress is a form of stress having a beneficial effect on health = stress factor has a positive effect (priming) on plants

# Distress

Distress is a form of stress that cause any unfavorable condition = stress factor that has a negative effect on plants