

Plant Pathology in Cannabis and Medicinal Plant

Classification of plant diseases

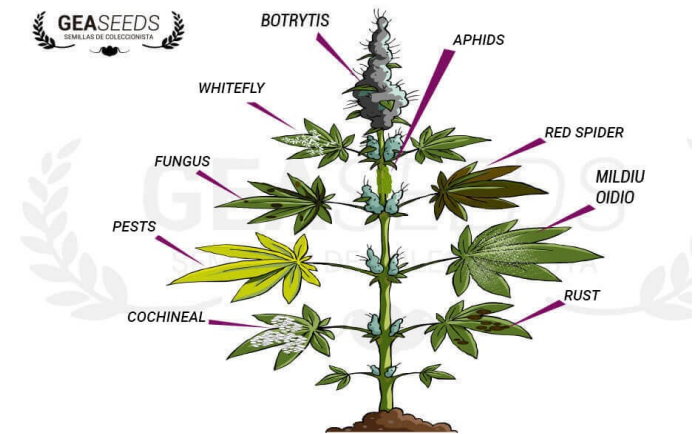
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Classification of plant diseases

classification of plant diseases will rely on the principle of classification to determine the cause and diagnosis out as follows

1. Classification according to the symptoms of bacteria group
2. Classification of diseased plants
3. Classification of diseased plants
4. Damage and epidemic classification
5. Classification of etiology



Classification of plant diseases

1. Classification according to the symptoms of bacteria group

Plant symptoms are commonly used as names, such as root rot, leaf spot, rust, fusarium wilt, etc. This is a complex disease name, which can be caused by a variety of microorganisms. They all have different characteristics, which makes it unnecessary to complete in terms of practicality, such as disease control.



Classification of plant diseases

2. Classification of diseased plants

Use a part of the diseased plants to classify: result disease, stem disease, leaf disease, root disease. This classification is quite complex in detail. Because some diseases can cause any part of plants, this classification is not suitable for scientific work. Because no part shows the structure, physiology and etiology of the diseased plant.



โรคใบเหลือง



โรคเชื้อราในดอก

Classification of plant diseases

3. Classification of diseased plants

This is an extensive division based on plants, which has little benefit in science, including crop diseases, vegetable diseases and fruit tree diseases. Forest disease, ornamental plant disease, lawn disease, etc.



Classification of plant diseases

4. Damage and epidemic classification

The damage to plants is different. Some diseases will kill plants quickly without causing any damage to other plants. The disease that causes the greatest damage must be transmitted from diseased plants to other plants in addition to causing plant death or reducing production. In other regions, the isolation of this disease is very important in national and international cooperation to prevent plant diseases.

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5. Classification of etiology

Plant diseases can be divided into several categories according to the etiology, namely organic and non-organic diseases. According to the nature and symptoms of the disease, the above main causes are divided into subgroups.



Plant disease diagnosis

Plant disease diagnosis is an opinion aimed at determining the cause of plant disease, so as to propose and solve various problems in the planting process. There are five steps below.

1. It is regarded as an infectious disease or non-infectious disease.



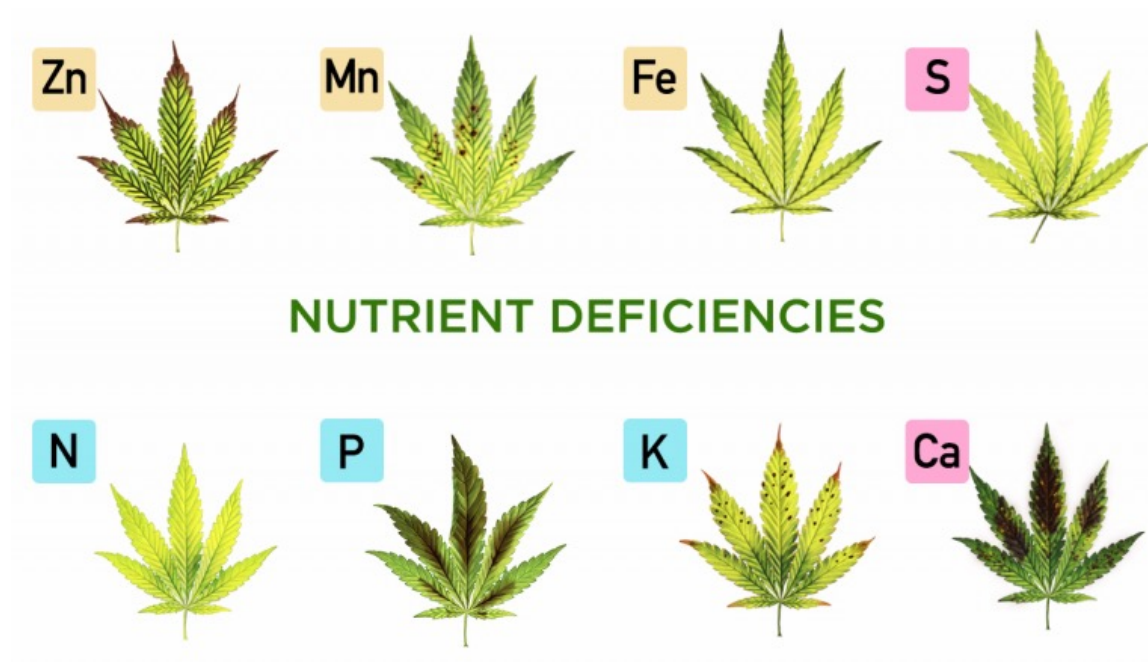
infectious disease



non-infectious disease

Plant disease diagnosis

2. If the pathogen is not found to be the cause of the disease may be diagnosed Disease is a disease caused by non-living things. or unsuitable environment



Plant disease diagnosis

3. If it is caused by an environment-related disease, please check the symptoms of the disease in the known reference documents.
4. If pathogens are found on diseased plants, they must be classified according to the pathogens in the references.
5. If the infection has not been reported before, it must be checked according to Koch (Koch's position).

Plant disease diagnosis by Koch (Koch's Postulates)

1. Check the symptoms and signs of plants to determine the cause of the disease.
2. Collect samples of diseased plants and/or soil in the area and record planting details to isolate bacteria.
3. The isolated bacteria shall be planted on normal plants of the same type and species as Article 2.
4. Isolate bacteria from Article 3, plant them in new normal plants, and then check the performance of diseased plants?

Thank You

The text "Thank You" is rendered in a dark blue, cursive script. Each letter has a gold outline and a black drop shadow, giving it a three-dimensional appearance. The word "Thank" is underlined with a thick, dark blue stroke, and the word "You" is also underlined with a similar stroke. There are decorative clusters of gold stars and dots: one cluster is positioned below the 'h' in "Thank", and another larger cluster is positioned above the 'o' in "You".