Plant Pathology 354 Guide to Laboratory Specimens ALFALFA DISEASES

Seedling Health Problems

Name the pathogen(s)	that	cause(s)	this	disease:

Describe the symptoms of the disease:

Aphanomyces Root Rot

Name the pathogen that causes this disease:

Describe the symptoms of the disease:

Phytophthora Root Rot

Name the pathogen that causes this disease:

Describe the symptoms of the disease:

Violet Root Rot

Name the pathogen that causes this disease:

Describe the symptoms of the disease:

Verticillium Wilt

Name the pathogen that causes this disease:

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Fusarium Wilt

Name the pathogen	that	causes	this	disease:
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Describe the symptoms of the disease:

Crown Rots/Decay

Name the pathogen(s) that causes this disease:

Describe the symptoms of the disease:

Spring Black Stem

Name the pathogen that causes this disease:

Describe the symptoms of the disease:

Root Knot Nematode

Name the pathogen that causes this disease:

Describe the symptoms of the disease:

Common Leaf Spot

Name the pathogen that causes this disease:

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Stemphylium Leaf Spot

Name the pathogen that causes this disease:

Describe the symptoms of the disease:

Downy Mildew

Name the pathogen that causes this disease:

Describe the symptoms of the disease:

Alfalfa Mosaic Virus

Name the pathogen that causes this disease:

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Brown Stem Rot

What pathogen causes the disease?

Describe the symptoms of the disease:
Sudden Death Syndrome
What pathogen causes the disease?
Describe the symptoms/signs of the disease.
Phytophthora Root Rot
What pathogen causes the disease?
Describe the symptoms of the disease:
Soybean Cyst Nematode (SCN)
What pathogen causes the disease? Heterodera glycines
Describe the symptoms/signs of the disease:
Sclerotinia Stem Rot (White Mold)
What pathogen causes this disease?
Describe the symptoms/signs of the disease:

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Brown Spot/Septoria Leaf Spot

Describe the symptoms/signs of the disease:

Green Stem Syndrome/Soybean Virus Diseases

What pathogen(s) cause(s) this disease?

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Seedling Rot/Blight

Eyespot

What pathogen(s) cause(s) the disease?

Describe the symptoms of the disease:

What pathogen causes the disease?

Describe the symptoms of the disease:
Tar Spot
What pathogen causes the disease?
Describe the symptoms of the disease:
Northern Corn Leaf Blight
Northern Corn Leaf Blight What pathogen causes the disease?
What pathogen causes the disease?
What pathogen causes the disease?
What pathogen causes the disease?

Plant Pathology 354 Guide to Laboratory Specimens CORN DISEASES

Northern Corn Leaf Spot

What pathogen causes the disease?

Describe the symptoms of the disease. Compare and contrast these with the symptoms of northern corn leaf <u>blight</u>:

Gray Leaf Spot

What pathogen causes the disease?

Describe the symptoms of the disease:

Genetic Ringspot

What causes the disease?

Describe the symptoms of the disease:

Gibberella Stalk Rot

What pathogen causes the disease?

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Anthracnose Stalk Rot

Note: The pathogen that causes this disease also causes leaf blight as well.			
What pathogens cause the disease?			
Describe the symptoms of the disease:			
Root Lesion Nematode			
What pathogen causes the disease?			
Describe the symptoms of the disease:			
Corn Smut			
What pathogen causes the disease?			
Describe the symptoms of the disease:			
Crazy Top			
What pathogen causes the disease?			
Describe the symptoms of the disease:			
How do you prevent/control this disease?			

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Barley Yellow Dwarf/Red Leaf

What pathogen causes these diseases?
Describe the symptoms of the diseases:
Scab
What pathogen causes the disease?
Describe the symptoms/signs of the disease.
Take-All
What pathogen causes the disease?
Describe the symptoms of the disease:
Eyespot
What pathogen causes the disease?
Describe the symptoms of the disease. Compare and contrast these symptoms with those of take-all.

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Smuts

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What pathogens cause smut disease?
Loose Smut: Stinking Smut (Common Bunt):
Describe the symptoms of both types of smuts. Compare and contrast the two diseases:
Powdery Mildew
1 owdery windew
What pathogen(s) cause(s) powdery mildew?
Describe the symptoms/signs of the disease:
Septoria Leaf Blotch
What pathogen(s) cause(s) the disease?
Describe the symptoms of the disease:
Ergot
What pathogen causes the disease?
Describe the symptoms/signs of the disease:

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Rusts

What pathogen(s) cause(s) the disease?