

# Crop Disease Symptom Identification

## Visual Symptoms - Leaves

Assess leaf appearance for common disease indicators.

### Leaf Coloration

- ☐ Yellowing (Chlorosis)
- ☐ Browning (Necrosis)
- ☐ Reddening
- ☐ Purple
- ☐ Mosaic Pattern
- ☐ No Change

### Leaf Spot Type

- ☐ Circular
- ☐ Irregular
- ☐ Angular
- ☐ Target-like
- ☐ None

### Spot Description (Size, Color, Texture)

Write something...

### Number of Affected Leaves

Enter a number...

### Leaf Lesion Type

- ☐ Canker
- ☐ Galls
- ☐ Spots
- ☐ None

### Leaf Curl/Distortion

Write something...

### Leaf Image(s)

 Upload File

### Leaf Pattern

- ☐ Uniform
- ☐ Localized
- ☐ Random

## Visual Symptoms - Stems & Branches

Examine stems and branches for discoloration, lesions, or unusual growths.

### Stem Discoloration?

- ☐ None
- ☐ Yellowing
- ☐ Browning
- ☐ Reddening
- ☐ Blackening
- ☐ Stripes

### Presence of Lesions/Cankers?

- ☐ No
- ☐ Small, sunken lesions
- ☐ Large, sunken lesions
- ☐ Raised lesions
- ☐ Covered in fungal growth

### Describe the appearance of lesions (if present)

Write something...

### Number of stems/branches affected (estimate)

Enter a number...

### Presence of Galls/Swollen Areas?

- ☐ No
- ☐ Small galls
- ☐ Large galls
- ☐ Multiple swollen areas

### If galls present, approximate diameter (cm)

Write something...

### Presence of Crystalline Deposits?

- ☐ No
- ☐ Yes, white and powdery
- ☐ Yes, granular/coarse

### Describe any unusual growths or structures observed on stems/branches

Write something...

## Visual Symptoms - Fruits/Seeds/Pods

Check fruits, seeds, and pods for spots, rot, or deformities.

### Presence of Spots/Lesions?

- ☐ No
- ☐ Yes, Small
- ☐ Yes, Large
- ☐ Yes, Raised
- ☐ Yes, Sunken

### Spot/Lesion Color(s)?

- ☐ Brown
- ☐ Black
- ☐ Yellow
- ☐ Red
- ☐ White
- ☐ Purple
- ☐ Multiple Colors

### Describe Spot/Lesion Characteristics (texture, size, shape)

Write something...

### Approximate Percentage of Fruit/Seed/Pod Affected

Enter a number...

### Fruit/Seed/Pod Deformity?

- ☐ No
- ☐ Slightly Deformed
- ☐ Moderately Deformed
- ☐ Severely Deformed

### Describe Fruit/Seed/Pod Deformity (if present)

Write something...

### Upload Photo of Affected Fruit/Seed/Pod

 Upload File

### Presence of Mold/Fungal Growth?

- ☐ No
- ☐ Yes, White
- ☐ Yes, Gray
- ☐ Yes, Colored

## Plant Growth & Vigor

Evaluate overall plant health, including stunted growth, wilting, and yellowing.

### Overall Growth Rate Compared to Healthy Plants?

- ☐ Significantly Slower
- ☐ Slightly Slower
- ☐ Normal
- ☐ Faster

### Plant Height (cm)

Enter a number...

### Describe any visible stunting or deformation.

Write something...

### Leaf Color - Any Discoloration?

- ☐ No Discoloration
- ☐ Yellowing (Chlorosis)
- ☐ Purple/Red Discoloration
- ☐ Brown Spots/Lesions

### Wilting Observed?

- ☐ No Wilting
- ☐ Mild Wilting
- ☐ Moderate Wilting
- ☐ Severe Wilting

### Describe the overall appearance of the plant's vigor.

Write something...

## Environmental Factors

Consider relevant environmental conditions that might contribute to disease development (humidity, temperature, rainfall).

### Average Daily Temperature (Celsius)

Enter a number...

### Relative Humidity (%)

Enter a number...

### Date of Last Significant Rainfall

Enter date...

### Rainfall Amount (mm) during Last Significant Rainfall

Enter a number...

### Recent Weather Patterns

- ☐ Prolonged Drought
- ☐ Excessive Rainfall
- ☐ Unseasonably Warm
- ☐ Cool and Humid
- ☐ Normal/Average

### Any Unusual or Extreme Weather Events?

Write something...

### Soil Moisture Level

- ☐ Very Dry
- ☐ Dry
- ☐ Slightly Dry
- ☐ Optimal
- ☐ Slightly Wet
- ☐ Wet
- ☐ Very Wet



# Soil Examination (if applicable)

Check the soil for signs of disease, such as discoloration or unusual texture. (Requires specialized knowledge/equipment)

## Soil pH (approximate)

Write something...

## Soil Moisture Level (scale of 1-10)

Enter a number...

## Soil Texture (estimated)

- ☐ Sandy
- ☐ Loamy
- ☐ Clay
- ☐ Silty
- ☐ Organic

## Describe any unusual color or smell observed in the soil.

Write something...

## Upload Photo of Soil

 Upload File

### Possible Soilborne Pathogens (Suspected)

- ☐ Fusarium
- ☐ Rhizoctonia
- ☐ Verticillium
- ☐ Nematodes
- ☐ None Suspected

### Presence of standing water (yes/no)

Write something...

## History & Background

Review the field history - previous crops, fertilization, pesticide use.

### Previous Crop(s) Grown in this Field (Last 2-3 Years)

- ☐ Corn
- ☐ Soybeans
- ☐ Wheat
- ☐ Cotton
- ☐ Rice
- ☐ Barley
- ☐ Oats
- ☐ Other (Specify in LONG\_TEXT)

### If 'Other' selected above, please specify previous crop(s):

Write something...

### Typical Crop Rotation Practices:

- ☐ Consistent Rotation
- ☐ Limited Rotation
- ☐ Monoculture
- ☐ No known rotation

### Number of Years Field has been in Agricultural Use:

Enter a number...

### Last Pesticide Application Date (if any):

Enter date...

### Details of Last Pesticide Application (Product name, concentration, application method):

Write something...

### Soil Type (General Assessment)

- ☐ Sandy
- ☐ Clay
- ☐ Loamy
- ☐ Silty
- ☐ Unknown

### Any Previous Disease Outbreaks Observed in this Field?

- ☐ Bacterial Leaf Spot
- ☐ Powdery Mildew
- ☐ Rust
- ☐ Anthracnose
- ☐ None Observed
- ☐ Other (Specify in LONG\_TEXT)

If 'Other' was selected for previous disease outbreak, please specify:

Write something...

## Comparative Analysis (with Healthy Plants)

Compare affected plants to healthy plants in the same area to highlight differences.

### Are there visibly healthier plants nearby?

- ☐ Yes
- ☐ No
- ☐ Unsure

**Describe the key differences observed between affected and healthy plants. Be specific about symptoms.**

Write something...

**Estimate the percentage of plants exhibiting symptoms within the observed area.**

Enter a number...

**Which of the following symptoms are more pronounced in the affected plants compared to the healthy ones?**

- ☐ Leaf Spotting
- ☐ Wilting
- ☐ Stunted Growth
- ☐ Discoloration
- ☐ Lesions
- ☐ Deformities
- ☐ None

**Note any unusual patterns observed in symptom distribution (e.g., localized, random).**

Write something...

**Is the severity of symptoms similar across all observed affected plants?**

- ☐ Yes
- ☐ No
- ☐ Unsure

## Further Investigation & Diagnostics

Note the need for laboratory testing or expert consultation for definitive identification.

### Suspected Disease Category (e.g., Fungal, Bacterial, Viral)

- ☐ Fungal
- ☐ Bacterial
- ☐ Viral
- ☐ Nutrient Deficiency
- ☐ Insect/Pest Damage
- ☐ Unknown

### Detailed Description of Symptoms

Write something...

### Attach Photos of Affected Plant (Multiple)

 Upload File

### Sample Collection Method (if applicable)

- ☐ Leaf
- ☐ Stem
- ☐ Fruit
- ☐ Root
- ☐ Soil
- ☐ Not Collected

### Notes on Sample Storage (e.g., Refrigerated, Dried)

Write something...

### Temperature of Sample Upon Collection (°C)

Enter a number...

### Date of Sample Collection

Enter date...

### Contact Information of Diagnostic Lab (if applicable)

Write something...