ChecklistGuro

Nutrient Deficiency Identification Checklist

Visual Symptoms Assessment

Focus on observable plant characteristics like leaf color, size, and shape. This is the first line of investigation.

Leaf Coloration - Overall?

- [ ] Uniform Green
- [ ] Yellowing (Chlorosis)
- [ ] Purple/Reddish Hue
- [ ] Brown/Necrotic Spots
- [ ] Variegation (Mottling)

Describe Leaf Yellowing Pattern (if present)

Write something...

Leaf Size Compared to Healthy Plants?

- [ ] Smaller
- [ ] Larger
- [ ] Normal

Leaf Necrosis Severity (0-10, 0=None, 10=Complete)

Enter a number...

Leaf Shape Abnormalities?

- [ ] Curling
- [ ] Cupping
- [ ] Distortion
- [ ] Stunted
- [ ] None

Describe any unusual growth patterns or stunting.

Write something...

Stem Strength?

- [ ] Weak/Brittle
- [ ] Normal
- [ ] Thick/Stunted

Soil Testing & Analysis

Provides a quantitative assessment of nutrient levels in the soil. Essential for confirmation and precise correction.

pH Level

Enter a number...

Nitrogen (N) - ppm/kg

Enter a number...

Phosphorus (P) - ppm/kg

Enter a number...

Potassium (K) - ppm/kg

Enter a number...

Calcium (Ca) - ppm/kg

Enter a number...

Magnesium (Mg) - ppm/kg

Enter a number...

Sulfur (S) - ppm/kg

Enter a number...

Soil Texture (Sand, Silt, Clay)

- [ ] Sand
- [ ] Silt
- [ ] Clay
- [ ] Loam

Date of Soil Test

Enter date...

Plant Tissue Analysis

Provides a precise measurement of nutrient content *within* the plant tissue, offering a more accurate picture of plant uptake.

Sample Information - Crop Type and Variety

Write something...

Sample Information - Location of Sampled Plant(s)

Write something...

Date of Tissue Sample Collection

Enter date...

Sample Weight (g)

Enter a number...

N Concentration (ppm)

Enter a number...

P Concentration (ppm)

Enter a number...

K Concentration (ppm)

Enter a number...

Ca Concentration (ppm)

Enter a number...

Mg Concentration (ppm)

Enter a number...

Laboratory Notes/Observations

- [ ] Normal
- [ ] Slight Deficiency
- [ ] Deficiency
- [ ] Severe Deficiency
- [ ] Other (Specify in Long Text)

Environmental Factors

Consider external conditions that can mimic nutrient deficiencies or interfere with nutrient uptake (pH, moisture, temperature).

Soil pH Level

Enter a number...

Soil Moisture Content (%)

Enter a number...

Soil Type (e.g., Sandy, Loamy, Clay)

- [ ] Sandy
- [ ] Loamy
- [ ] Clay
- [ ] Silty
- [ ] Peat

Sunlight Exposure (Average Hours/Day)

- [ ] Less than 4 hours
- [ ] 4-6 hours
- [ ] 6-8 hours
- [ ] More than 8 hours

Recent Weather Conditions (e.g., drought, heavy rainfall)

Write something...

Average Daily Temperature (°C/°F)

Enter a number...

Record Keeping & History

Review past fertilizer applications, soil conditions, and any unusual events that could be contributing factors.

Date of Last Fertilizer Application

Enter date...

Amount of Fertilizer Applied (lbs/acre or equivalent)

Enter a number...

Type of Fertilizer Used (e.g., NPK, Organic)

- [ ] NPK
- [ ] Organic
- [ ] Slow-Release
- [ ] Other

Previous Soil Test Results and Recommendations (if available)

Write something...

Previous Pest/Disease Issues?

- [ ] Yes
- [ ] No
- [ ] Unknown

Any unusual weather events impacting crop growth?

Write something...

Crop Yield Last Season (bushels/acre or equivalent)

Enter a number...

Notes on crop rotation history

Write something...

Differential Diagnosis

Ruling out other causes of similar symptoms, such as pests, diseases, or herbicide damage.

Suspected Pest Infestation?

- [ ] Yes
- [ ] No
- [ ] Unsure

Evidence of Disease?

- [ ] Yes
- [ ] No
- [ ] Unsure

Describe any observed pest damage (e.g., chewing, stippling, webbing)

Write something...

Describe any observed disease symptoms (e.g., spots, lesions, wilting)

Write something...

Recent Herbicide Application?

- [ ] Yes
- [ ] No
- [ ] Unknown

Days since last herbicide application (if applicable)

Enter a number...

Describe any unusual environmental factors (e.g., drought, flooding, extreme temperatures)

Write something...

Upload photos of affected plants (for visual comparison)

Upload File