ChecklistGuro

Soil Testing Results Review

Initial Information & Lab Details

Verify details of the soil sample and lab to ensure accuracy and traceability.

Sample ID (Lab Assigned)

Write something...

Field Name/Location

Write something...

Sample Collection Date

Enter date...

Lab Name

Write something...

Report Date

Write something...

Sample Depth (inches/cm)

Enter a number...

Sample Type (e.g., Composite, Profile)

- [ ] Composite
- [ ] Profile
- [ ] Surface
- [ ] Subsoil

Notes/Comments on Sampling (e.g., unusual conditions)

Write something...

Macronutrient Review (N, P, K)

Assess levels of Nitrogen, Phosphorus, and Potassium, comparing them to crop-specific requirements and optimal ranges.

Nitrogen (N) Level (ppm/kg)

Enter a number...

Phosphorus (P) Level (ppm/kg)

Enter a number...

Potassium (K) Level (ppm/kg)

Enter a number...

Nitrogen Form (if applicable)

- [ ] Ammonium
- [ ] Nitrate
- [ ] Organic
- [ ] Unknown

Nitrogen Index (if applicable, based on lab recommendation)

Enter a number...

Nitrogen Deficiency/Sufficiency?

- [ ] Deficient
- [ ] Sufficient
- [ ] Excessive

Notes on P and K levels and availability

Write something...

Phosphorus Saturation Percentage (if available)

Enter a number...

pH & Salinity Assessment

Evaluate soil pH and salinity levels for impact on nutrient availability and crop health.

Current Soil pH

Enter a number...

Electrical Conductivity (EC) - Salinity (dS/m)

Enter a number...

Soil Type (Influence on pH buffering)

- [ ] Sandy
- [ ] Loamy
- [ ] Clay
- [ ] Silty
- [ ] Organic

Irrigation Water pH (if applicable)

- [ ] Not Applicable
- [ ] Less than 6.0
- [ ] 6.0 - 7.0
- [ ] 7.0 - 7.5
- [ ] Greater than 7.5

Notes on Visual Observations (e.g., white crust on soil surface)

Write something...

Target Soil pH (for this crop)

Enter a number...

pH Issue?

- [ ] No
- [ ] Minor Adjustment Needed
- [ ] Significant Adjustment Needed
- [ ] Salinity Issue Present

Micronutrient Review (Fe, Mn, Zn, Cu, B, Mo)

Analyze micronutrient levels and identify potential deficiencies or toxicities.

Iron (Fe) - ppm

Enter a number...

Manganese (Mn) - ppm

Enter a number...

Zinc (Zn) - ppm

Enter a number...

Copper (Cu) - ppm

Enter a number...

Boron (B) - ppm

Enter a number...

Molybdenum (Mo) - ppm

Enter a number...

Iron Deficiency Symptoms Observed?

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

Notes on Micronutrient Status & Potential Interactions

Write something...

Organic Matter & Soil Health Indicators

Review organic matter content, cation exchange capacity (CEC), and other indicators of soil health and structure.

Organic Matter (%)

Enter a number...

Cation Exchange Capacity (CEC) (meq/100g)

Enter a number...

Bulk Density (g/cm³)

Enter a number...

Soil Aggregate Stability Score (visual assessment, 1-5)

Enter a number...

Visual Assessment of Soil Structure

- [ ] Platy
- [ ] Blocky
- [ ] Granular
- [ ] Massive
- [ ] Crumbly

Notes on Field Observations (e.g., visual signs of compaction, waterlogging)

Write something...

Presence of Earthworms (approximate count)

- [ ] 0-5
- [ ] 6-15
- [ ] 16-30
- [ ] 31+

Signs of Soil Degradation (select all that apply)

- [ ] Erosion
- [ ] Compaction
- [ ] Crusting
- [ ] Waterlogging
- [ ] Nutrient Depletion
- [ ] None Observed

Contaminant Screening & Heavy Metals

Check for the presence of contaminants like heavy metals (lead, arsenic, cadmium) and other potential pollutants.

Presence of Lead (Pb) Detected?

- [ ] Yes
- [ ] No
- [ ] ND (Not Detected)

Lead (Pb) Concentration (mg/kg)

Enter a number...

Presence of Arsenic (As) Detected?

- [ ] Yes
- [ ] No
- [ ] ND (Not Detected)

Arsenic (As) Concentration (mg/kg)

Enter a number...

Presence of Cadmium (Cd) Detected?

- [ ] Yes
- [ ] No
- [ ] ND (Not Detected)

Cadmium (Cd) Concentration (mg/kg)

Enter a number...

Additional Contaminants Screened (if any)

Write something...

Lab Report (Contaminant Screening)

Upload File

Recommendations & Action Plan

Formulate recommendations based on the results and create a plan for corrective actions (fertilization, amendments, etc.).

Summary of Key Deficiencies/Excesses

Write something...

Recommended Fertilizer Types

- [ ] Organic Fertilizer
- [ ] Synthetic Fertilizer
- [ ] Compost
- [ ] Manure
- [ ] No Fertilizer Needed

Recommended Nitrogen Application Rate (kg/ha)

Enter a number...

Recommended Phosphorus Application Rate (kg/ha)

Enter a number...

Recommended Potassium Application Rate (kg/ha)

Enter a number...

Application Method

- [ ] Broadcasting
- [ ] Banding
- [ ] Side Dressing
- [ ] Foliar Spray

Planned Application Date

Enter date...

Additional Notes & Considerations (e.g., weather conditions, irrigation schedule)

Write something...

Supporting Documentation (e.g., fertilizer product labels, application maps)

Upload File

Record Keeping & Documentation

Ensure all results, recommendations, and actions taken are properly documented and archived for future reference.

Date of Review

Enter date...

Reviewer Name

Write something...

Reviewer Title/Role

Write something...

Summary of Findings & Recommendations

Write something...

Original Soil Test Report (PDF)

Upload File

Action Items and Planned Corrective Measures

Write something...

Date of Next Soil Test (if applicable)

Enter date...

Report Status

- [ ] Draft
- [ ] Reviewed
- [ ] Approved
- [ ] Finalized

Notes/Comments (e.g., deviations from recommendations, unexpected results)

Write something...