ChecklistGuro

Soil Testing and Amendment

Planning & Timing

Initial steps and considerations before taking a soil test.

Desired Planting Date/Harvest Time

Enter date...

Crop(s) to be Grown & Anticipated Needs

Write something...

Previous Land Use (e.g., Pasture, Tilled, Forest)

- [ ] Pasture
- [ ] Tilled
- [ ] Forest
- [ ] Cropland
- [ ] Other (Specify)

Expected Soil pH (based on crop needs)

Enter a number...

Any observed issues or concerns (e.g., yellowing leaves, stunted growth)

Write something...

Soil Testing Frequency (based on recommendations)

- [ ] Annually
- [ ] Every 2-3 Years
- [ ] As Needed (e.g., after heavy rain, unusual growth)

Soil Sampling

Proper techniques for collecting representative soil samples.

Number of Soil Cores per Sampling Point

Enter a number...

Description of Sampling Point Location (e.g., field corner, near trees)

Write something...

GPS Coordinates of Sampling Point (optional)

Set My Current Location

Sampling Depth (inches)

- [ ] 0-6 inches
- [ ] 6-12 inches
- [ ] 12-18 inches
- [ ] Other (specify)

Notes on Soil Texture at Sampling Point (e.g., sandy, clayey, loamy)

Write something...

Identify any obvious soil conditions observed (check all that apply)

- [ ] Standing Water
- [ ] Compaction
- [ ] Erosion
- [ ] Presence of Rocks/Debris
- [ ] None Observed

Date of Soil Sampling

Enter date...

Lab Submission & Analysis

Preparing and sending samples to a certified laboratory and understanding the analysis report.

Contact Information (Name, Phone, Email)

Write something...

Sample ID/Project Name (for tracking)

Write something...

Soil Test Package Selected

- [ ] Basic Nutrient Test
- [ ] Full Soil Fertility
- [ ] Organic Matter & Micronutrients
- [ ] Heavy Metals Screening

Number of Samples Submitted

Enter a number...

Copy of Soil Sampling Map (Optional)

Upload File

Sample Submission Date

Enter date...

Special Instructions/Requests (e.g., specific tests, expedited results)

Write something...

Interpreting Results

Understanding the nutrient levels and pH, and identifying potential deficiencies or imbalances.

Overall Assessment of Soil Health

Write something...

pH Level

Enter a number...

Available Nitrogen (N) - ppm/kg

Enter a number...

Available Phosphorus (P) - ppm/kg

Enter a number...

Available Potassium (K) - ppm/kg

Enter a number...

Nitrogen Deficiency?

- [ ] Yes
- [ ] No
- [ ] Uncertain

Phosphorus Deficiency?

- [ ] Yes
- [ ] No
- [ ] Uncertain

Potassium Deficiency?

- [ ] Yes
- [ ] No
- [ ] Uncertain

Notes on Potential Nutrient Imbalances

Write something...

Amendment Selection

Choosing appropriate soil amendments based on test results and crop needs.

Target Crop(s) for Amendment

- [ ] Vegetables
- [ ] Fruits
- [ ] Grains
- [ ] Forage/Pasture
- [ ] Ornamentals
- [ ] Other (Specify)

Desired Soil pH Range

- [ ] 5.5 - 6.0
- [ ] 6.0 - 6.5
- [ ] 6.5 - 7.0
- [ ] 7.0 - 7.5
- [ ] Other (Specify)

Nutrient Deficiencies to Address (Based on Test Results)

- [ ] Nitrogen (N)
- [ ] Phosphorus (P)
- [ ] Potassium (K)
- [ ] Calcium (Ca)
- [ ] Magnesium (Mg)
- [ ] Sulfur (S)
- [ ] Micronutrients (e.g., Iron, Zinc, Manganese)
- [ ] None – Soil is Balanced

Preferred Amendment Type

- [ ] Organic (Compost, Manure, Cover Crops)
- [ ] Inorganic (Fertilizers)
- [ ] Combination

Target Phosphorus Application Rate (lbs/acre or kg/ha)

Enter a number...

Notes on Amendment Selection

Write something...

Amendment Application

Methods and timing for applying soil amendments effectively.

Amount of Amendment (lbs/acre or kg/hectare)

Enter a number...

Application Method

- [ ] Broadcasting
- [ ] Banding
- [ ] Side-dressing
- [ ] Foliar (for certain nutrients)

Application Date

Enter date...

Incorporation Depth (inches/cm)

Enter a number...

Incorporation Method

- [ ] Tillage
- [ ] No-till/Direct seeding
- [ ] Manual Incorporation

Notes on Application Conditions (e.g., weather, equipment used)

Write something...

Post-Amendment Monitoring

Observing plant response and retesting soil to ensure amendment effectiveness.

Date of Amendment Application

Enter date...

Initial Observations After Amendment (e.g., color change, ease of incorporation)

Write something...

Plant Growth Rate (compared to pre-amendment)

Enter a number...

Visible Plant Health Indicators (Select all that apply)

- [ ] Increased Leaf Color
- [ ] Improved Root Development
- [ ] Reduced Nutrient Deficiency Symptoms
- [ ] Improved Yield
- [ ] None Observed

Date of Retest Soil Sample

Enter date...

Notes on Retest Soil Sample Collection

Write something...

Overall Assessment of Amendment Effectiveness

- [ ] Highly Effective
- [ ] Moderately Effective
- [ ] Minimally Effective
- [ ] Not Effective