

Agronomic Practices Guide

For Maize

Date: 8/27/2025

Introduction

This guide provides recommended agronomic practices for growing Maize in your specific conditions. Following these guidelines will help maximize yield and crop quality.

Land Preparation

- Plow the field to a depth of 20-25 cm
- Remove weeds, stones, and plant debris
- Level the field for uniform irrigation

Soil Amendments

- Apply well-decomposed organic manure at 10-15 tons/ha
- Incorporate into soil 2-3 weeks before planting

Fertilizer Application

Base Application:

- Nitrogen (N): Apply Urea at 30-50 kg/ha
- Phosphorus (P): Apply Triple Super Phosphate (TSP) at 15-25 kg/ha
- Potassium (K): Apply Muriate of Potash (MOP) at 30-60 kg/ha

Top Dressing:

- Apply nitrogen in 2 splits: 3-4 weeks after planting and at flowering stage

Planting Information

- Follow recommended seed rate and spacing for your specific crop
- Maintain proper planting depth according to seed size

Irrigation Management

- Irrigate based on soil moisture conditions and crop water requirements
- Avoid water stress during critical growth stages

Pest and Disease Management

- Practice crop rotation to break pest and disease cycles
- Regular field monitoring for early detection of pests and diseases
- Use resistant varieties when available
- Apply appropriate pesticides only when necessary and follow label instructions
- Consider integrated pest management (IPM) approaches

This guide is based on AI recommendations and general agronomic practices.

Consult with local agricultural extension services for specific advice.

Harvesting

- Harvest at proper maturity for best quality and yield