



Maxyield Protocol for Tea Production

1. Purpose

This protocol provides recommendations for the use of Maxyield in tea nurseries and established tea fields to improve root development, nutrient utilization, soil structure, water retention, and overall plant performance.

2. Tea Nursery Application

Soil Preparation

Recommended Rate:

- **10 kg Maxyield mixed with 400 kg nursery soil**

Procedure

1. Prepare clean nursery soil suitable for tea propagation.
2. Thoroughly mix **10 kg Maxyield** with **400 kg soil**.
3. Fill polybags or nursery containers with the prepared mixture.
4. Water the nursery beds or polybags before planting.
5. Plant tea cuttings or seedlings according to standard nursery practices.

Benefits

- Enhanced root development.
 - Improved nutrient uptake.
 - Better moisture retention.
 - Stronger and more uniform seedlings.
 - Reduced transplant shock after field establishment.
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3. Field Application – New Tea Plantings

Plant Population

Typical tea plant density:

- **3,500–4,500 plants per acre**
- **Approximately 10,000 plants per hectare**

This corresponds to an application rate of approximately:



- **10–12 grams of Maxyield per plant**

Recommended Application Rate

- **40–50 kg Maxyield per acre**
- **100–125 kg Maxyield per hectare**

Application Method

Apply Maxyield:

- In planting holes during transplanting, or
- Along the planting row before planting.

Ensure Maxyield is incorporated into the soil around the root zone.

Alternative Root Dip Method

For large-scale planting operations, Maxyield may be dissolved or suspended in water to prepare a root dip solution.

1. Prepare a Maxyield suspension in clean water.
2. Dip seedling root balls before transplanting.
3. Plant immediately after treatment.

This method improves root-soil contact and promotes rapid establishment.

4. Established Tea Fields

Standard Annual Application

Recommended Rate:

- **40–50 kg Maxyield per acre**
- **100–125 kg Maxyield per hectare**

Apply together with the fertilizer program and distribute evenly across the field.

Timing

Applications are recommended:

- At the beginning of the rainy season.
- Together with fertilizer applications.



- Following pruning cycles where applicable.
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5. Split Applications

Where fertilizer is applied multiple times during the year, Maxyield can be split accordingly.

Recommended Split Program

- **30–40 kg Maxyield per acre per application**
- **75–100 kg Maxyield per hectare per application**

Apply simultaneously with each fertilizer application.

Examples

Number of Applications	Rate per Application
1 application	40–50 kg/acre (100–125 kg/ha)
2 applications	30–40 kg/acre (75–100 kg/ha) each
3 applications	30–40 kg/acre (75–100 kg/ha) each

Split applications maintain continuous improvement of:

- Soil biological activity
 - Nutrient availability
 - Root growth
 - Water retention capacity
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6. Agronomic Benefits

Maxyield supports:

- ✓ Improved root development
- ✓ Enhanced nutrient use efficiency
- ✓ Better water retention and drought resilience
- ✓ Increased microbial activity in the soil



- ✓ Improved soil structure and aeration
 - ✓ Reduced fertilizer losses
 - ✓ Stronger plant establishment
 - ✓ Improved crop uniformity and productivity
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Recommended Maxyield Program for Tea

Production Stage	Application Rate
Nursery Soil Preparation	10 kg / 400 kg soil
New Tea Planting	40–50 kg/acre (100–125 kg/ha)
Established Tea Fields	40–50 kg/acre (100–125 kg/ha)
Split Applications	30–40 kg/acre (75–100 kg/ha) per application
Tea Plant Density	3,500–4,500 plants/acre (approx. 10,000 plants/ha)
Application per Plant	10–12 g per plant

Maxyield – Improving Soil Health, Root Development and Tea Productivity.