

Application Guide for Corn Production Using Masing Organic Fertilizer

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Application Guide for Corn Production (50% Organic)

Using Masing Organic Fertilizer

Land Area: 1 hectare

Land Preparation

- a. For 1 hectare, broadcast 15-20 bags of chicken manure or compost before plowing.
- b. Plow the soil 3 weeks before planting. For sandy loam or light soil, 1 plowing and 1 harrowing is recommended. For clay or heavy soil, 1 plowing and 2 harrowing with 7-10 days interval is recommended.
- c. Build furrows with a 75cm distance from each other and 8cm depth for wet season and 10cm depth for dry season.
- d. Prepare 1% Masing solution (1L of Masing diluted to 100L of water). Spray it within furrows before planting.

Seed Preparation

- a. Prepare 1% Masing solution (1L of Masing diluted to 100L of water).
- b. Soak the seeds on the prepared solution for 30 minutes.
- c. Keep Masing solution for future use.

Planting

- a. Plant 1 seed per hill with 15-20 cm distance and cover it with 2-3 cm thick pulverized soil, planting distance vary depending to the variety of corn used.

Nutrient Management

- a. 5 days after seed emergence (DAE), spray Masing solution (used during seed preparation) directly on the leaves.
- b. 10 DAE, spray 1% Masing solution (1L of Masing diluted to 100L of water) then apply 4 bags of complete fertilizer (14-14-14).
- c. 20-25 DAE, spray 1% Masing solution (1L of Masing diluted to 100L of water) directly to the leaves.
- d. 28 DAE, apply 2 bags of Urea (46-0-0) at 3-4cm distance away from the plant then cover it with soil.
- e. 30 DAE, spray 1% Masing solution (1L of Masing diluted to 100L of water) directly to the leaves

Application Guide for Corn Production (100% Organic)

Using Masinag Organic Fertilizer

Land Area: 1 hectare

Land Preparation

- a. For 1 hectare, broadcast 15-20 bags of chicken manure or compost before plowing.
- b. Plow the soil 3 weeks before planting. For sandy loam or light soil, 1 plowing and 1 harrowing is recommended. For clay or heavy soil, 1 plowing and 2 harrowing with 7-10 days interval is recommended.
- c. Build furrows with a 75cm distance from each other and 8cm depth for wet season and 10cm depth for dry season.
- d. Prepare 1% Masinag solution (1L of Masinag diluted to 100L of water). Spray it within furrows before planting.

Seed Preparation

- a. Prepare 1% Masinag solution (1L of Masinag diluted to 100L of water).
- b. Soak the seeds on the prepared solution for 30 minutes.
- c. Keep Masinag solution for future use.

Planting

- a. Plant 1 seed per hill with 15-20 cm distance and cover it with 2-3 cm thick pulverized soil, planting distance vary depending to the variety of corn used.

Nutrient Management

- a. 5 days after seed emergence (DAE), spray Masinag solution (used during seed preparation) directly on the leaves.
- b. 10 DAE, spray 1.5% Masinag solution (1.5L of Masinag diluted to 100L of water) then apply 4 bags of complete fertilizer (14-14-14).
- c. 20-25 DAE, spray 1.5% Masinag solution (1.5L of Masinag diluted to 100L of water) directly to the leaves.
- d. 30 DAE, spray 1% Masinag solution (1L of Masinag diluted to 100L of water) directly to the leaves.
- e. 40 DAE, spray 1% Masinag solution (1L of Masinag diluted to 100L of water) directly to the leaves.