

Application Guide Others Using Masinag Organic Fertilizer

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Application Guide for Cassava Using Masinag Organic Fertilizer

Land Area: 1 hectare

Land Preparation

- a. Prepare the land properly for the ideal growth of cassava. It is recommended to do 1 plowing and 1-2 harrowing operations with 7-10 days interval.
- b. For 1 hectare, broadcast 20 bags of chicken manure or organic compost a day before plowing.
- c. Build furrows with 1m distance to each other.
- d. Spray 1% Masinag solution (1L of Masinag diluted to 100L of water) within the furrows a day before planting.

Preparation of Cuttings

- a. Cut the cassava stem, 15-20 cm long.
- b. Soak the cuttings in 1% Masinag solution (10ml of Masinag diluted to 1L of water) for 1 hour before planting.

Planting and Nutrient Management

- a. Plant 1 cutting per hill with a distance of 100cm per hill. Laid them flat in the furrow and cover with 3-5cm pulverized soil.
- b. 15 days after planting (DAP), spray 1% Masinag solution (1L Masinag diluted to 100L of water) directly to the cassava leaves and soil.
- c. Repeat the foliar spraying of 1% Masinag solution (1L of Masinag diluted to 100L of water) once a month up to the 6th month.

Note: Ready for harvest at 8-9 months.

Application Guide for Coconut Using Masing Organic Fertilizer

Land Area: 1 hectare

Spacing: 10m x 10m

Nursery

- a. Coconuts must be well-dried.
- b. Remove the calyx of the coconuts.
- c. Prepare 1% Masing solution (1L of Masing is diluted to 100L of water).
- d. Soak the coconuts on the prepared solution for 10 minutes.
- e. Prepare the seed bed with a depth of 1foot and an area around 3 m².
- f. Line soaked coconuts upright, pointing the calyx upward while the lower portion touching the ground. Cover them with soil.
- g. Water coconuts with 1% Masing solution (Use the excess from soaking).
- h. Water coconuts once a week. On the 3rd week, water them with 1% Masing solution (1L of Masing diluted to 100L of water). Do this for 4 months for faster germination.
- i. Continue watering coconuts with 1% Masing solution (1L of Masing diluted to 100L of water) twice a month, for 2 consecutive months.
- j. Coconuts ready for transplanting thereafter.

Transplanting

- a. Prepare holes with a depth of 3 feet and a diameter of 3 feet.
- b. Put 200 grams of chicken manure or compost into the holes.
- c. Prepare 1% Masing solution (1L of Masing diluted to 100L of water). Spray the prepared solution into the holes.
- d. Plant the coconuts in a straight line then cover with soil.
- e. Water 1% Masing solution (1L of Masing diluted to 100L of water) once a month.

Fruiting

- a. On the 1st month, prepare Masing solution at 1:50 dilution. Spray the prepared solution directly to the leaves and trunks of the coconuts.
- b. On the 2nd month, prepare 1% Masing solution (1L of Masing diluted to 100L of water). Spray the prepared solution directly on the leaves and trunks of the coconuts
- c. Spray 1% Masing solution (1L of Masing diluted to 100L of water) every 2 months thereafter.

Application Guide for Oil Palm Production

Using Masinag Organic Fertilizer

Nursery

- a. Use quality seeds for seedlings.
- b. Mix 50 kilos of chicken manure or 100 kilos of compost per ton of soil (potting medium).
- c. While mixing the potting medium, add 20 liters of 1% Masinag solution (1L of Masinag diluted to 100L of water).
- d. Once mixed, transfer the potting medium to seed beds or polyethylene bag.
- e. Soak the seeds to 1% Masinag solution (10ml of Masinag diluted to 1L of water) for 1-2 hours.

Planting

- a. Sow the seed singly on the seed bed, or polyethylene bag.
- b. Once the seedlings emerge, spray 1% Masinag solution (1L of Masinag diluted to 100L of water) directly to the leaves once a month, up to the 5th month.
- c. Water the seedlings with Masinag solution at 1:50 dilution (1L of Masinag diluted to 50L of water) once a month up to transplanting.

Transplanting

- a. It is advisable to transplant well-grown seedling (12-14 months old).
- b. Prepare holes where the seedlings will be planted.
- c. Apply 500g of chicken manure or 1 kg of compost or 100g of 14-14-14 at the bottom of the hole then cover it with 3-5cm pulverized soil to avoid direct contact of the seedling's roots to the fertilizer.
- d. Water the holes with 1% Masinag solution (1L of Masinag diluted to 100L of water) around 1 liter.
- e. Plant the seedlings into the holes.

Nutrient Management/Fruiting

- a. Spray the transplanted Oil Palm once a month with 1% Masinag solution (1L of Masinag diluted to 100L of water).
- b. Apply complete fertilizer (14-14-14) every 6 months.

Application Guide for Sugarcane Using Masinag Organic Fertilizer

Land Area: 1 hectare

Land Preparation

- a. For 1 hectare, broadcast 15 bags of chicken manure or organic compost before plowing.
- b. Spray 1% Masinag solution (1L of Masinag diluted to 100L of water) within the furrows before planting.

Cane Preparation

- a. Soak the cane points in 1% Masinag solution (1L of Masinag diluted to 100L of water) for about 24- 48hours to hasten germination.
- b. After soaking the cane, incubate for 2 days by placing them under the shade and covering with moist rice straw or any similar materials.

Planting and Nutrient Management

- a. Plant immediately after making the furrows to take advantage of the available soil moisture for higher percentage of germination.
- b. Plant 3 canes for every lineal meter of the furrow with 1m distance between furrows.
- c. 10 days after planting (DAP), spray 1% Masinag solution (1L of Masinag diluted to 100L of water) directly to the sugarcane leaves and soil.
- d. Spray 1% Masinag solution (1L of Masinag diluted to 100L of water), 1-2 days after every application of inorganic fertilizer; 1st to 2nd side dress fertilizer application.

Note: Using Masinag can reduce the inorganic chemical fertilizer input up to 10-50%

Application Guide for Various Vegetables Using Masinag Organic Fertilizer

Land Area: 1 hectare

Recommended for: pepper, eggplant, tomato, ladyfinger, beans, cucumber, squash, bottle gourd, sponge gourd and bitter gourd.

Land Preparation

- a. For 1 hectare, broadcast 20 bags of chicken manure a day before plowing the land.
- b. Spray 1% Masinag solution (1L of Masinag diluted to 100L of water) within the furrows before planting.

Direct Seeding

- a. Prepare 1% Masinag solution (10ml of Masinag diluted to 1L of water).
- b. Soak the seeds on the prepared solution for 10 minutes before planting.
- c. 10 days after planting (DAP), spray 1% Masinag solution (1L of Masinag diluted to 100L of water) directly to the leaves and soil.
- d. Continue the foliar spraying using Masinag at 1:80 dilution (1L of Masinag diluted to 80L of water) with 15 days interval up to 3rd- 4th priming.

Transplanted

- a. Prepare 1% Masinag solution (10ml of Masinag diluted to 1L of water).
- b. Gently pull the 7-day old seedling from the seedling tray. Soak the roots for 10 seconds on the prepared solution before transplanting.
- c. 5-7 days after transplanting (DAT), spray 1% Masinag solution (1L of Masinag diluted to 100L of water) directly to the leaves and soil.
- d. Continue the foliar spraying using Masinag at 1:80 dilution (1L of Masinag diluted to 80L of water) with 20 days interval up to 3rd- 4th priming.

Application Guide for Fruit Bearing Trees Using Masinag Organic Fertilizer

Watering

- a. Prepare 1% Masinag solution (1L of Masinag diluted to 100L of water).
- b. Water trees with the prepared solution at about 5L per tree, if big or 3L, if small.
- c. Water trees with 1% Masinag solution (1L of Masinag diluted to 100L of water) every week for 3 consecutive weeks.

Foliar Application

- a. Prepare Masinag solution at 1:80 dilution (1L of Masinag diluted to 80L of water).
- b. Spray the prepared solution directly to the leaves, branches and roots.
- c. Spray Masinag solution at 1:80 dilution (1L of Masinag diluted to 80L of water) once a month until flowers and fruits are visible (3 to 6 months).

Hermosa Plant Disease Control Application

- a. Prepare 1% Hermosa solution (1L of Hermosa diluted to 100L of water).
- b. Spray the prepared solution directly to the leaves, branches and fruits.
- c. Apply once a month or as necessary.

Note: Wait for a bountiful harvest.