



Protocol for Transplanted Rice

The Masinag Organic Fertilizer

Land Area—1 hectare

A. SEEDLING PRODUCTION

1. Soak rice seeds in 1% Masinag solution (dilute 1 liter Masinag Organic Fertilizer into 100 liters of water) for 18-24 hours to enhance germination rate.
2. After 24 hours of soaking, remove the seeds and incubate for 24 hours. Set aside the Masinag solution. Spray it on the seed bed prior to seed broadcasting.
3. Broadcast the pre-emerged seeds in seed bed.

NOTE: If seeds are not soaked in Masinag follow the instructions below:

1. 5 days after seed broadcasting, spray 1% Masinag solution.
2. 10 days after seed broadcasting, apply ammonium sulfate (21-0-0-24S) at recommended rate.
3. 5 days before transplanting, spray the seedlings with 1% Masinag solution.

B. LAND PREPARATION

1. Irrigate the field, plow once and harrow 2-3 times at 5-7 days interval.
2. Broadcast 20 bags of chicken manure or compost at the last harrowing.
3. Let the field stand for 5 days.
4. Level the field and apply 1% Masinag solution (apply the solution used for soaking seeds) at **first spraying**. This time, the seedlings are ready for transplanting.

C. TRANSPLANTING

1. Transplant 17 day-old seedlings at a distance of 20x20cm between rows and hills, respectively.

D. NUTRIENT MANAGEMENT

1. **Second spraying** 5-7 days after transplanting (DAT), dilute 1 liter of Masinag Organic fertilizer into 100 liters of water (1% Masinag solution) or equivalent to 1 can of small “ligo” sardines per 16 liters knapsack sprayer.
2. 10-12 days after transplanting (DAT), broadcast 2-3 bags of Complete Fertilizer (14-14-14) per hectare.
3. **Third spraying** 19-21 days after transplanting (DAT), dilute 1 liter of Masinag Organic Fertilizer into 100 liters of water (1 % Masinag solution).
4. 25-30 DAT, broadcast 2 bags of Urea fertilizer (46-0-0) per hectare.
5. **Fourth spraying** 45-55 days after transplanting (DAT) at panicle initiation, dilute 1 liter of Masinag into 100 liters of water (1% Masinag solution).
6. **Fifth spraying** at flowering stage (optional depending on crop stand). If yellowing of leaves are observed, spray 1% Masinag solution.