



Lowland Rice Production Using Masinag Organic

Land Area: 1 hectare

A. SEEDLING PRODUCTION

1. Soak rice seeds in 1% Masinag solution (mix 1 liter Masinag Organic into 100 liters of water) for 18-24 hours for pre-germination to enhance germination of seeds.
2. After hours of soaking, remove the seeds and incubate for 24 hours. Do not throw the Masinag solution, set aside. 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 these instructions below:

1. 5 days after seed broadcasting spray 1% Masinag solution (mix 1 liter Masinag Organic for every 100 li of water).
2. 10 days after seed broadcasting, apply ammonium sulfate (21-0-0-24) at recommended rate (farmers practice).
3. 12 days after seed broadcasting spray 1% Masinag solution (mix 1 liter Masinag Organic for every 100 li of water). Be sure the schedule of transplanting will push through.

B. LAND PREPARATION

1. Irrigate the field, plow once and harrow 2-3 times at 5-7 days interval.
2. Broadcast 20 bags of organic materials available on the last harrowing.
3. Let the field stand for 5 days.
4. Level the field and apply 1% Masinag solution (solution where seeds were being soaked) at **1st spraying**. This time, the seedlings are ready for transplanting.

C. TRANSPLANTING

1. Transplant 17-21 day-old seedling. At a distance of 20 x 20 cm between rows and hills, respectively.

D. NUTRIENT MANAGEMENT

1. 5-7 days after transplanting (DAT) **2nd spraying** of 1% Masinag solution (mix 1 liter Masinag Organic for every 100 li of water).
2. 10-12 DAT, apply 3 bags of complete fertilizer (14-14-14) per hectare.
3. 19-21 DAT, **3rd spraying** of 1% Masinag solution (mix 1 liter Masinag Organic for every 100 li of water).
4. 25-30 DAT, broadcast 2 bags Urea fertilizer (46-0-0) per hectare.
5. 45-55 DAT (panicle initiation), **4th spraying** of 1% Masinag solution (mix 1 liter Masinag Organic for every 100 li of water).
6. **5th spraying** of Masinag Organic—spray after flowering stage (optional depending on cropstand, ie, if yellowing of leaves is observed, spray 1% Masinag solution (mix 1 liter Masinag Organic for every 100 li of water).