



## PROTOCOL FOR CUCUMBER USING MASINAG ORGANIC FERTILIZER

### Land Preparation

1. Select land for planting – clay loam, loam soil, and sandy loam with pH of 6-8
2. Land preparation – 2 to 3 times alternate plowing and harrowing
3. Planting Cucumber – can be planted in zero tillage (that is after rice harvest, holes are made at spacing of m between holes) or can be planted in shallow furrows at a distance of 2 m between furrows  
Prepare 1% Masinag solution (10 ml of Masinag diluted to 1L of water) and soak the seeds For 1 hour before sowing/planting.

### Fertilizer Application

1. At Furrowing apply 20 bags of Organic Fertilizer (compost), before transplanting or at the hole when using plastic mulch.
2. **10 Days** After Planting (DAP) Spray (1% solution or 1L Masinag for every 100 L of water or 160 ml per 16L capacity knapsack sprayer.)
3. **15 DAP** apply 4 bags (complete); 1 bag 0-18-0 (Apply 3 inches away from the roots of the plant)
4. **25-27 DAP** Spray (1% solution or 1 L for every 100L of water or 160 ml per 16L knapsack sprayer).
5. **30-35 DAP** apply 1 bag Urea (Apply 3 inches away from the roots of the plant).
6. **40-45 DAP** Spray (1% solution or 1 L for every 100L of water or 160 ml per 16L knapsack sprayer).
7. **50 DAP** apply ½ bag 0-0-60 (Apply 3 inches away from the roots of the plant).
8. **51 -55 DAP** Spray (1% solution or 1 L for every 100L of water or 160 ml per 16L knapsack sprayer).
9. **56-60 DAP** Spray (1% solution or 1 L for every 100L of water or 160 ml per 16L knapsack sprayer). (Optional, depending on the maturity of the crop)

### Training & Trellising

In ampalaya, start putting up trellis when the plants are about 15 cm high. Train the vines regularly by tying the vines on the trellis. In squash, train or re-orient the vines every along the rows 25 days after planting to facilitate watering and weeding in the field.

### Harvesting

Harvest starts 60-75 Days after Emergence for Ampalaya while in squash fruits mature in 50 - 60 days from fruit setting

