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## Modified Dapog Preparation

**1** Prepare the following:

- ✓ 10-12 kg of hybrid or 12-15 kg of inbred seeds per hectare
- ✓ 5-6 sacks of rice straw which must be free from other seeds to prevent any off-types
- ✓ 5-6 sacks of rice hull
- ✓ 26-28 sheets of plastic nets with 1.5m x0.75m size



**2** Soak seeds in clean water for 12-24 hours. Change soaking water every 5-6 hours to avoid contamination.



**3** Incubate seeds at 30 0C for 24-36 hours or until the root emerges.

**4** Prepare the seedbed:

- ✓ Prepare an area of about 25 m length for hybrid and 30 m length for inbred and 1 m width as seedbed.
- ✓ Elevate the seedbed about 2-3 inches height and make a canal on both sides to facilitate drainage in case of excess water.



**5** Scatter evenly the rice hull on the bed about 2-3 cm thick. This step is necessary for the right amount of aeration and to prevent the roots from contact with the soil.

**6** Place the double plastic net on top of rice hull. This will later facilitate convenience during transplanting.

**7** Sow the pre-germinated seeds on the top of plastic net.

**8** Cover the seeds with rice straw about 2-3 cm thick to avoid direct heat during sprouting.



**9** Irrigate the bed up to the plastic net and manually sprinkle with water twice a day. It should be done 4 days after sowing to maintain sufficient moisture.



**10** After 5 days, remove the rice straw to facilitate uniform height growth and receipt of enough sunlight.

**11** Apply ammonium sulfate (21-0-0-12S) fertilizer with 10;1 kg seed: fertilizer. Immediately sprinkle with water to avoid seedling burn.



**12** After 5 days, irrigate the seedbed about 2-3 cm water depth. It should be done from 5 days up to 9 days after sowing.

**13** After 10-12 days, the seedlings are ready to transplant. Carefully separate the two plastic nets, to remove some rice hull and soils attached to the roots.

**14** Transport the plastic net with seedlings at the planting area.

**15** Carefully detached the seedlings in plastic net and directly distribute in the field by placing in wetbed bundle-like.

**16** Transplant 1-2 seedlings per hill with 20cm x 20cm planting distance. Replant within 7 days.

## Modified Dapog

### Advantages

- ✓ smaller seedbed area
- ✓ seedlings are ready for transplanting in a shorter period
- ✓ seedlings recover faster after transplanting
- ✓ less expensive

### Disadvantages

- ▶ needs intensive water management
- ▶ more difficult to transplant
- ▶ seedlings are less competitive against weeds
- ▶ more susceptible to golden kuhol