

## Rice :: SRI Cultivation :: Nursery Management

### Nursery Management

- Seed Rate - 5 - 7 kg/ha for single seedling per hill

#### Preparation of nursery area:

- Prepare 100 m<sup>2</sup> (2.50 cents) nurseries to plant 1 ha.
- Spread a plastic sheet or used polythene gunny bags on the shallow raised bed to prevent roots growing deep into soil.

#### Preparation of soil Mixture :

- 4 m<sup>3</sup> of soil mix is needed for each 100 m<sup>2</sup> (2.50 cents) of nursery.
- Mix 70% soil + 20% well-decomposed pressmud / bio-gas slurry / FYM + 10% rice hull. Add the soil mixture 1.5 kg of powdered DAP or 2 kg 17-17-17 complex fertilizer.



Preparation of soil Mixture

#### Blending Soil Mixture

**Filling in soil mixture :** Place a wooden frame of 0.5 m long, 1 m wide and 4 cm deep divided into 4 equal segments on the plastic sheet.

**Fill the frame almost to the top with the soil mixture. :** Soak the seeds for 24 h, drain and incubate the soaked seeds for 24 h, sow when the seeds sprout and radical (seed root) grows to 2-3 mm long.

**Pre-germinating the seeds 2 days before sowing :** Soak the seeds for 24 h, drain and incubate the soaked seeds for 24 h, sow when the seeds sprout and radical (seed root) grows to 2-3 mm long.

**Soil application of biofertilizers :** Application of Azospirillum @ 2 kg and mycorrhizal fungi @ 5 kg for 100 m<sup>2</sup> nursery area



Blending Soil Mixture

#### Sowing :

- Sow the pre-germinated seeds weighing 90 -100 g/m<sup>2</sup> uniformly.
- Cover them with dry soil to a thickness of 5 mm.
- Sprinkle water immediately using rose can to soak the bed.



Sowing Sprouted Seeds

#### Watering:

- Water the nursery with rosecan as and when needed (twice or thrice a day) to keep the soil moist.
- Protect the nursery from heavy rains for the first 5 DAS. At 6 DAS, maintain thin film of water all around the seedling mats.
- Drain the water 2 days before removing the seedling mats for transplanting.



Watering with RoseCan