

Time of Application : 1/3rd Urea as basal; 1/3rd Urea at the time of Tillering (20-25 days) and remaining part of Urea is to be applied at Panicle Initiations (40-45 days) stage. Whole SSP and MOP is to be applied into the soil at final land preparation.

Spacing : Row to row is 15-25 cm. Plant to plant 10-20 cm

Depth of planting : 3-5 cm

Number of seedlings/hill : 2-3 numbers

Gap filling : The dead hills are to be retransplanted within 7-10 days of transplanting.

Weeding : Two (2) weedings are to be given preferably at 20-25 and 40-45 days after transplanting. Rotary weeder (Japanese paddy weeder) or cono weeder can also be used after top dressing to incorporate the urea with the soil in between lines.

Butachlor granule @ 30 kg/ha can be applied with in 2 to 3 days of transplanting in 3-4 cm of standing water. If granules not available Butachlor liquid @ 1.5 kg a.i/ha mixed with 400 ltr of water (400ml/bigha) or Pendimethalin @ 1.0 kg a.i/ha in 400 ltrs of water may also be applied.

Diseases Control :

a. Bavistin---1g/lit b. Hinosan---1ml/lit

Insect& pest : a. Chloropyriphos---1-1.5ml/lit b. Monocrotophos---1-1.5ml/lit c.

Stem borer/Nematode : Furadon---3g/sq.m Thimet 10 G---1g/sq.m

Gandhi : Malathion 5% Dust---3-4 kg/bigha

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Krishi Vigyan Kendra, Tura
ICAR RC for NEH Region
Sangsangiri, West Garo Hills District
Meghalaya -794005
Ph-03651-222535(O)

PACKAGE OF PRACTICES FOR SALI RICE



Mokidul Islam, L.K. Nath
and Tanmay Samajdar



Krishi Vigyan Kendra, Tura
ICAR RC for NEH Region
Sangsangiri, West Garo Hills District
Meghalaya -794005
Ph-03651-222535(O)

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Sali rice is the most important and major crop of North-Eastern States with an average productivity of 1.5 t/ha which is lower than national average. So, the productivity of Sali paddy can be increased with the adoption of improved establishment methods, HYVs with all other agronomic practices.

Land Selection : Low lying typical sali areas or irrigation command areas are to be selected.

Variety :

| Variety | Duration (days) | Yield(q/ha) |
|---------------------------|-----------------|-------------|
| Ranjit | 150-155 | 45-50 |
| Bahadur | 150-155 | 45-50 |
| Aghoni Bora | 150-155 | 45-50 |
| Keteki Joha | 150-155 | 34-36 |
| Mahsuri | 150-160 | 40-45 |
| Shahsarang | 130-140 | 40-42 |
| Satyanranjan | 130-135 | 38-42 |
| Basundhara | 130-135 | 38-42 |
| Disang/Luit/Kopili/Kolong | 90-95 | 28-35 |

Sowing Time : May/June

Transplanting Time : June/July

- (A) **Seed Selection :** Select the healthy seeds by rejecting the floating ones using 2.5 % salt solution i.e. 250 gm of common salt in 10 liters of water for 5 minutes. Wash the seeds several times in clean water and dry in shade.
- (B) **Seed treatment :** (a) Wet method: After selection of the seeds are to be soaked directly in any one of the following fungicidal solution for 24 hrs.

Fungicide Concentration

Bavistin-----1.0 gm/lit of water

Captaf-----2.5 gm/lit of water

Foltaf-----2.5 gm/lit of water

Diethan M-45----2.5 gm/lit of water

One (1) litre of fungicidal solution is required to treat one (1) kg of seed.

- b) Dry method: Seeds and any one of the following fungicides are to be put in a closed container and then agitated for 5 minutes for thorough mixing

Fungicides Concentration

Bavistin-----2.0 gm/kg of seed

Diethan M-45-----2.5 gm/kg of seed

Foltaf-----2.5 gm/kg of seed

Captaf-----2.5 gm/kg of seed

(C) **Raising of Seedlings :**

- (a) **Seed bed preparation:** Flat seed bed is recommended. Beds should be 125 cm wide and 10 m long with 30 cm gap between 2 beds. 6-8 such beds are required for transplanting of 1 bigha land. 20-30 kg cow dung/Compost; 80 gm of Urea; 80 gm of SSP and 40 gm of MOP / bed should be applied.
- (b) **Seed Rate :** Pre-germinated seeds are to be sown @ 650-1000 gm /bed. Seeds required for transplanting of 1 hectare main filed is 40-45 kg (5-6 kg / bigha)
- (c) **Plant protection in Seed beds:** (i) Spraying with Bavistin@1 gm/lit of water or Hinosan @ 1 ml/lit of water is to be done as soon as 1 or 2 blast spots are seen.
- (ii) In Root -Knot Nematode and Stem Borer endemic areas Furadon 3 G @ 3 gm/sq m or Thimet 10 G @ 1 gm/ sq m or Basudin 10 G @ 1 gm/sq.m is to be applied after 5 days of sowing.

Generally an insecticidal spray at 5-7 days after sowing is effective against most insect-pests.

Insecticide Dosage (ml/10 sq.metre)

Chloropyriphos20EC----- 0.10

Quinalphos25EC----- 0.15

Monocrotophos36EC----- 0.12

Phosphamidon100EC----- 0.07

Endosulfan35EC----- 0.14

High volume spray : 400ml of water/10 sq meter.

Low volume spray : 100ml of water/10 sq meter.

- (d) **Preparation of seedling for initial protection in the main field :** After washing the roots of uprooted seedlings the roots portion is to be dipped in 0.02% solution of Chloropyriphos (1 ml/ltr of water) along with 1% urea (10 g/lit of water) for 3hrs as a protective measure against stem borer, gall midge and hoppers. Alternatively, Furadon 3G @ 3gm/sq metre or Thimet 10g @ 1gm/sq m is to be applied in the seed bed 5 to 7 days before uprooting of the seedlings. Alternatively spray 0.05% (2.5ml/ltr) Chloropyriphos in the nursery 5 days before uprooting of seedlings.
- (e) **Age of seedlings :** 5 to 6 leaf stage (25 to 30 days) is suitable for transplanting.

Field Preparation : The field should be plough 3 to 4 times followed by laddering. Leveling should be done properly to retain water uniformly in the field.

Fertilizer Management : 80-60-40 NPK kg/ha and 12-15 quintal FYM/bigha is to be applied.