

Agro Advisory Service for Rice
ICAR - National Rice Research Institute, Cuttack-753006

Strategies for first fortnight of January 2017

- Rice varieties like Naveen, Satabdi, Chandan, CR Dhan 601, Lalat, MTU 1010, MTU 1001, Luna sankhi (for coastal saline areas) and hybrids like Ajay and Rajalaxmi can be grown as transplanted summer rice. In case of wet direct sown summer rice, varieties like Naveen, Satabdi, Khandagiri, MTU 1010 can be taken up.
- Seed rate for transplanting one acre of main field is 16 to 18 kg for high yielding varieties and 5 to 6 kg for hybrids.
- Treat the seeds with Carbendazim 50 WP (Bavistin) @ 2 g per kg of seeds in a litre of water. Soak the seeds in water for 10 hours and drain the excess water for protection of the seedlings from fungal disease up to 40 days after sowing. Keep the soaked seed in gunny bag in a dark place and cover with extra gunnies for 24 h for sprouting.
- Nursery sowing of pre-germinated seeds of HYVs/hybrids on flat leveled nursery beds should be completed immediately. In case of varieties, apply fertilizer @ 10:10:10 kg N:P₂O₅:K₂O per 320 m² area for raising seedlings to transplant 1 acre of main field area. In case of hybrids, use 20-25 g of pre-germinated seeds per m² and a nursery area of 240 m² is required for 1 acre of main field. Irrigate with a thin film of water two to three days after sowing of sprouted seeds and with light irrigation afterwards.
- For transplanted as well as wet direct sown summer rice, main field preparation should be done by doing initial shallow tillage after the harvest of wet season rice followed by ponding of water and puddling. Do the second puddling after 7-10 days and level the field properly to facilitate uniform crop stand
- Fertilizer dose for varieties is 40:20:20 kg N:P₂O₅:K₂O/acre and apply 1/4th of N, full dose of P₂O₅ and 2/3rd of K₂O as basal dose. In case of hybrids, the fertilizer dose is 48:24:24 kg N:P₂O₅:K₂O/ acre and apply 1/4th of N, full dose of P₂O₅ and 3/4th of K₂O as basal dose.
- Line transplant of 25-30 days old seedlings @ 2-3 seedlings/hill with spacing of 15 x 15 cm g in case of varieties and @ 1-2 seedlings/hill with spacing of 15 x 15 cm for hybrids.
- In transplanted rice, if mixed population of weeds (grasses, sedges and broadleaved weeds) are present; apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR (Londax power) @ 4 kg/acre at 5 - 8 days after transplanting. Mix the granular herbicide with 12 kg sand/acre and broadcast it uniformly in the field.
- In wet direct-sown rice, if mixed population of weeds (grasses, sedges and broadleaved weeds) are present, spray of tank-mix of Fenoxaprop-p-ethyl 9 EC + Ethoxysulfuron 15 WDG (whip super + Sunrice) @ 250 ml + 40 g/acre by mixing it in 140 litres of water using knapsack sprayer at 15 days after sowing or at 3-4 leaf stage of the weeds.

Agro Advisory Service for Rice [For Assam]

Strategies for first fortnight of January 2017

***Boro* rice:**

- For late *boro* rice crop, sowing of seeds (pre-germinated) of medium and mid-early varieties like Chandrama, CR Boro Dhan 2, CR Dhan 601, Abhishek and Naveen should be done in flat seed beds (size, 125 cm x 10 m) which are spaced 30 cm apart.
- Seed rate for transplanting one ha of main field is 40 to 45 kg. Seeds should be treated with Carbendazim 50 WP @ 1 g/lit of water/kg of seeds before sowing.
- During the cold period, seeds/seedlings in the nursery bed should be covered with low poly-tunnels (height: 75 cm, width: 125 cm, length: as per convenience). The poly-tunnel should be removed for 1 to 2 hours starting from 1 week before uprooting and the duration of removal should be gradually increased.
- Apply light irrigation to the nursery beds twice a week.
- If warranted, spray the nursery beds with Carbendazim 50 WP (Bavistin) @ 2g/l or Tricyclazole 75 WP (Beam) @ 400 g/ha.
- Main field preparation should be started for transplanting of the *boro* rice crop.
- Spray *boro* rice nursery beds with chlorpyrifos 20 EC @ 2 ml/l or apply carbofuran 3G @ 3 g/sqm at five to seven days before uprooting the seedlings.