

Agro Advisory Service for Rice
ICAR - National Rice Research Institute, Cuttack – 753 006

Strategies for Second fortnight of January 2017

- Transplanting of dry season rice should be completed by end of January.
- 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. Otherwise Customized Leaf Color Chart may be used for efficient Nitrogen management.
- Line transplant of 25-30 days old seedlings @ 2-3 seedlings/hill with spacing of 15 x 15 cm 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 liters 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 the 2nd fortnight of January 2017

Boro rice

- During the cold period, *boro* rice seedlings in the nursery beds should be covered with low poly-tunnels (height: 75 cm, width: 125 cm, length: as per convenience). The polytunnel 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 against leaf blast.
- Spray *boro* rice nursery beds with chlorpyrifos 20 EC @ 2 ml/l or apply carbofuran 3G @ 3 g/sqm five to seven days before uprooting the seedlings.
- Transplanting of 45 to 50 days old *boro* rice seedlings in the main field should be taken up. Clip-off seedling leaf tips before transplanting in order to reduce insect-pest infestation in the main field.
- In *bakanae* endemic areas, seedling root dip for 1 hour in suspension of *Pseudomonas fluorescence* formulation just before transplanting should be practiced.
- At the time of final puddling, apply 9 kg urea, 27 kg SSP and 6 kg MOP per bigha as the basal dose of fertilizers.
- Spray herbicide Pyrazosulfuron ethyl 10 WP @ 200 g per ha in 500 litres of water at 5-7 days after transplanting of *boro* rice to control weeds.