



Sher-e-Kashmir
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Directorate of Extension

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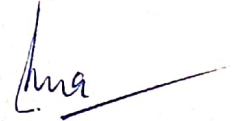
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Advisory for Rice Seed sowing & Nursery management

1. Normal sowing time in the Valley extends from 3rd week of April to second week of May.
2. A well drained area of 1/20th of the area to be transplanted is selected for nursery (For one hectare land, a nursery area of one kanal is required).
3. The nursery beds should be of 1.0-1.5 meter width and of any convenient length. This helps in easy manual weeding.
4. Plough the nursery area 2-3 times and puddle it in 2-3cm of water.
5. Seed should be sown at seed rate of 3 kg per kanal for transplanted rice in lower belts and 4 kg per kanal for higher belts of the valley.
6. Pre-sowing treatment by overnight soaking of seeds in 0.06% suspension of Tricyclazole 75 WP or 0.1% Carbendazim 50WP is highly recommended.
7. Soak the seeds in water for 24 hours and incubate for 36 to 48 hours. Seeds should not be over-sprouted. Length of the sprout shall be less than the length of grain itself.
8. Apply 1.5-2 kg well decomposed farmyard manure plus 0.5 kg of ash/m² of nursery area for better growth of seedling and building soil quality. Also apply 275g Urea, 450g DAP and 200g MOP per marla (25 m²) of nursery as basal dose.
9. Broadcast pre-germinated seeds uniformly in seed bed and maintain 2-3cm of water till pre-germinated seeds are established in the bed.
10. Keep the nursery beds free from weeds either with hand weeding or by herbicide application. Apply Butachlor 5GR @ 75 g per marla (25 m²) at the emergence of first leaf or Pretilachlor 50 EC @ 2ml per liter per marla at 4 days after sowing.
11. Algal growth in the seed bed can be controlled by avoiding incorporation of undecomposed manure at the time of bed preparation.
12. If algal growth is visible, drain out water and drench the seed bed with Copper sulphate (5 g) + Lime (5 g) per liter of water.

13. In case any disease symptom is observed in nursery, spray with Tricyclazole 75WP @ 0.06% (0.6g per liter water).
14. One or two drainage periods of 12-24 hours are beneficial during first few days of nursery establishment.
15. Use water stored in a pond for irrigation. This will raise the temperature of water by a few degrees. Ponding of water can be done in a field adjacent to paddy nursery.
16. Protected nursery under a polythene tunnel is recommended when night temperature falls below 10 °C. Remove the polythene cover during sunny days.
17. Apply 250 g Urea per marla as top dose ten days before uprooting the nursery.
18. The transplanting should be completed between last week of May to 2nd week of June when the rice seedling is 28-30 days old. Any delay in transplanting beyond this date results in a significant yield decline.



Director Extension

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