

Agronomy practices for Hybrid Paddy

Seed rate : 6kg/acre

Sowing time : Kharif - June to 15th July

Rabi - Second fortnight of November to 20 December

Nursery management:

Seed Bed: Prepare nursery beds of 1 m width and convenient length

Seed rate: 600 m² nursery area

Fertilizer: 250 Kg FYM, 1.0 Kg N, 0.4 Kg P₂O₅, 0.5 Kg Potash /100 m²

Seed Treatment: Carbendazim (50% WP)/Bavistin/Saaf @ 2-4 g / Kg Seed

Sowing method: Dry bed (Broadcasting & Line sowing) and Wet bed (incubation & Broadcasting) method

Raise thin nursery, use pre-germinated seed.

Fertilizers Management:

Basal : 4 Kg Urea + 6 Kg SSP + 2kg MOP + FYM

Topdressing : 10 days after sowing with 3 kg urea

Main Field:

- **Age of seedlings:** 15- 20 days
- **Seed rate:** (15 kg/ha or 15 gm/ m²) for main field area
- **Spacing:** 20 cm x 15 cm (33 hills / Sq m)
- **Seedlings /Hill :** 1-2
- **Fertilizer dose:** Kharif :40 N : 25 P₂O₅ : 25 K₂O Kg /Acre.
Rabi : 50 N : 25 P₂O₅ : 25 K₂O Kg /Acre
- Time of fertilizer application: Four split doses

Basal : ¼ N + Total P₂O₅ + ½ K₂O

8 days after planting : ¼ N

15 days after planting : ¼ N

PI stage : 1/4N + ½ K₂O



Weed management: Apply Pretilachlor @600 ml/acre between 0-3 days after transplanting

- Butachlor: 2.5 L in 50-75 Kg Sand, broadcasted after one Week as Post Emergence Weedicide
- Pendimethalin: 2 ml/ Litre water 3-4 d after sowing as Pre-emergence weedicide

Disease and Insect Pest management:

1. **Bacterial leaf blight** : Spray Streptocycline 9:1SP 120g + Copper oxychloride 500g/acre at early boot stage (Judicious use of N fertilizer)
2. **False smut and grain discoloration** : Apply Chlorothalonil 75% WP @ 1.6-2 g/l water



3. **Blast** : Apply Tricyclozole 75 WP (0.6 g/ L)

4. **Sheath blight:** Apply Hexaconazole (Contaf) @ 250 ml /ac Propiconazole 25%EC (Tilt) @ 200 ml /ac.



5. **BPH & WBPH** : Spray Thiomethaxam (Actara) @ 50g /ac & Imidacloprid 17.8% SL (Confidor) @ 100 ml /ac.

6. **Stem borer:** Nursery- Apply Rynaxypyr (Ferterra granules) (4kg/ac) at Vegetative stage and Cartap Hydrochloride 4 % G (Caldan granules) (8 -10 kg/ac) at reproductive stage.

