Naveen
A high-yielding rice variety for irrigated/boro lands
Package of Practices

Water management
- Keep the field under saturated condition for a week after transplanting for establishment and growth of roots.
- Maintain a water level of 3-5 cm during the entire crop growth period after that, the field should be drained prior to top dressing and irrigate after 24-36 hours.
- Drain out water after 15 days from milk formation stage.

Insect and disease control
- This variety is generally free from major pests and diseases. Soak the seedlings with 0.02% Chlorpyriphos overnight before transplanting.
- Use granular systemic insecticide (Carbofuran @ 30 kg/ha) for control if attacked by stem borer and leaf folder.
- If Sheath Blight appears avoid N application near panicle initiation stage spray Sheathmar 3 (Validamycin). Till or any other recommended fungicide @ 2.5 ml/litre at the appearance of disease symptoms or spray solution immediately after first top-dressing.
- Use 500 liter of water/ha for spraying pesticide and keep the field band clean to minimize disease and pest attack.

Harvesting, drying and milling
- Harvest the crop when 80% of the grains in panicles are ripened.
- Thresh immediately after harvesting and dry gradually under shade up to 12% moisture content for seed purpose and 14% for milling.

Crop Rotation
- As this variety is harvested early in the wet season, crops such as rabi rice, maize, potato, vegetables and mustard can be grown after rice.
- It fits very well into the intensive three crop rotations like rice-rice-rice, rice-maize-cowpea, rice-potato-sesame, rice-sunflower-green gram.

Rice variety Naveen (CR 749-20-2, IET 14461) evolved at the Central Rice Research Institute, Indian Council of Agricultural Research, Cuttack, from Sattari/Jaya cross was released by the Orissa State Sub Committee on Crop Standards, Notifications and Release of variety in 2005 and notified in 2006. It is suitable for cultivation in favourable rainfed uplands and irrigated lands during kharif and irrigated land during boro/rabi season in Orissa. It has a semi-dwarf plant type (100-110 cm) and matures in 115 days in kharif under direct seeded condition, and in 118 days under transplanted conditions. During rabi, it matures in 120 days under transplanted conditions. It is resistant to blast and stem borer and tolerant to brown spot. The variety Naveen has medium bold grain with 66.5% Head Rice Recovery and Elongation Ratio of 1.76. It yields 4.50 - 5 t/ha during kharif and 5 to 6 t/ha during rabi.

RECOMMENDED CULTURAL PRACTICES

Land situation
- Wet/kharif Season: Favourable rainfed upland, Medium lands and irrigated lands.
- Dry/rabi boro/dalua seasons: Irrigated lands.

Seedbed preparation

Dry seed bed
- Select suitable land near water source in middle of June and December for kharif and rabi crops, respectively.