Water Management

- Keep the field under saturated condition for a week after transplanting for better seedling establishment.
- Thereafter, maintain a water level of 3-5 cm during the entire crop growth period until 15 days after milk formation stage. However, the field should be drained prior to top dressing of fertilizer and irrigate after 24-36 hours.

Insect and Disease Control

- Soak the seedlings in a solution of 1 ml Chlorpyriphos (20EC) in 1 ltr of water overnight before transplanting.
- Use Carbofuran at 30 kg/ha against stem borer and leaf folder.
- If sheath blight appears, avoid N application at panicle initiation stage.
- Spray Validamycin at 3.0 ml/ltr or Propiconazole (25%) at 1.0 ml/ltr in 500 ltr of water/ha after appearance of the disease symptoms or immediately after first top-dressing.
- Keep the field bunds clean to minimize disease and pest attack.

Harvesting, Drying & Storage

- Harvest the crop 30-35 days after flowering when stalks are still green to avoid grain shattering. Moisture content of paddy grain should be 20-24% at time of harvest.
- Thresh the produce immediately after the harvest and dry the grains in shade up to 12% moisture content for seed purpose and 14% for milling.
- Grains can be milled in traditional huller but for higher price use rubberized shelter for milling.

Cropping System

- After harvest of the rice crop in the first week of December, green gram can be grown with the residual soil moisture.

Swarna-Sub1

A promising high yielding rice variety for flood-prone rainfed shallow lowlands of coastal Odisha

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Swarna-Sub1 was developed under a collaborative programme of Indian Council of Agricultural Research, (ICAR), New Delhi & International Rice Research Institute, (IRRI), Philippines. It was released by the Orissa State Seed Sub-Committee on Crop Standards after three years of rigorous testing in the target environment. Swarna-Sub1 is a semi-dwarf (105-110 cm) variety and matures in 140 days under direct seeded condition and 145 days under transplanted condition. Swarna-Sub1 has medium slender grain with 66.5% head rice recovery (HRR) and elongation ratio of 1.76. It yields 4.5-5.5 t/ha under normal condition while the yield reduces to 3.0 - 4.0 t/ha under the stress situations.
Land Preparation

- Use compost under every 7-10 day to avoid disease
- Prevent the risk of disease by rotating crops
- Prevent the use of 7-10 day before another disease

Recommended Cultural Practices

- Follow the recommended practices of cover crops
- Ensure the land is located on the edge of the field
- Prevent the use of compost under every 7-10 day