



Gramin Krishi Mausam Sewa
India Meteorological Department, AMFU: Semiliguda
Orissa University of Agriculture & Technology
Regional Research & Technology Transfer Station
Semiliguda, Post Box No: 10, Sunabeda, Koraput-763002



Week No.: 23

AGRO ADVISORY BULLETIN
District - Koraput (Eastern Ghat High Land)

Date: 07.06.2019

Weather condition during last three days

| Date | 04.06.2019 | 05.06.2019 | 06.06.2019 |
|---------------|------------|------------|------------|
| Rainfall (mm) | 65 | 0 | 0 |
| T. Max. (°C) | 27 | 32 | 35 |
| T. Min. (°C) | 19 | 22 | 23 |

Forecast up to 12.06.2019 (According to MC, IMD, Bhubaneswar)

- Possibilities of mainly cloudy sky during next five days.
- During next five days, chances of light rainfall on 12th and moderate rainfall on 8th, 9th & 10th Jun.
- Maximum temperature is expected to be 34-35°C and minimum temperature is expected to be 20-23°C.
- Maximum and minimum relative humidity is expected to be 58-80% and 31-37% respectively.

| Date | 08-06-19 | 09-06-19 | 10-06-19 | 11-06-19 | 12-06-19 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm) | 20 | 30 | 10 | 0 | 5 |
| T. Max. (°C) | 34 | 34 | 34 | 35 | 35 |
| T. Min. (°C) | 21 | 20 | 20 | 22 | 23 |
| Cloud cover | 8 | 8 | 7 | 7 | 6 |
| RH Max. (%) | 76 | 80 | 71 | 58 | 60 |
| RH Min. (%) | 37 | 41 | 37 | 34 | 31 |
| Wind speed (Km/hour) | 6 | 11 | 7 | 10 | 13 |
| Wind direction (°) | 185 | 240 | 227 | 219 | 248 |

Agro Advisory

General Advisory:

- The extended range forecast for the period from 07.06.2019 to 20.06.2019 reveals below normal rainfall in Odisha state.
- As arrival of monsoon is being delayed at Kerala coast indicating late arrival of monsoon in Odisha, the farmers are advised not to go for dry sowing of direct seeded paddy now and wait for pre monsoon showers of rain. When the cumulative rainfall of pre monsoon rain is **80mm, go for sowing of direct seeded paddy.**
- Complete digging of holes for planting of fruit trees before monsoon, so that the planting can be carried out immediately after the onset of monsoon.

Summer ploughing:

- Utilizing current rainfall, summer ploughing should be carried out. The organic manure and compost should be applied and thoroughly mixed with the soil.
- In direct sown rice, Paper Mill Sludge (PMS) should be applied @5q/ha and mixed with soil 10 -15 days before sowing of seeds

Green manuring:

- In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop as the district has received **65 mm** rainfall on 4th Jun.
- In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha.
- Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

Always use the certified Rice seeds and change it in every 3 years.

- Early- Jogesh, Siddant, Hazaridhan, Mandakini, Jyotirmayee, Virendra, Sahabhagidhan Khandagiri, Parijat, Annada
- Medium- MTU- 1001, MTU-1010, Konark, Naveen, Lalat, Pratikshya, Hiranyamayee, Manaswini, Bina 11, Pratibha, Tapaswini, Surendra, Kharavela, Abhisek, Nua Acharmati
- Late- CR-1009, CR-1018, Ranidhan, Mahanadi, Ramachandi, Sarala, Nua Kalajira, Nua Dhusara, Varshadhan, Swarna sub 1, CR Dhan 801
- Fine- CR-1014, BPT-5204.
- Hybrid varieties (Medium duration): CR Dhan 701, NK 5251, JKRH 401, Ajay, Rajalaxmi, Arize 6444G

Direct seeded kharif rice:

- Before sowing treat the seeds with 2 g Bavistin or 2.5 g Mankozeb/kg seeds to protect the crop from blast, Sheath blight, brown spot, sheath rot. Use 25 kg seeds per acre. Basal application of Phosphorus (P) and

Potash (K) fertilizers is advisable.

Nursery bed preparation for kharif transplanted rice:

- The seed bed area is ploughed twice either in dry or wet conditions and then puddle by giving two or three more ploughings. After 10 days, the field is again ploughed twice and levelled.
- When the field is brought to fine soft puddle condition, raised beds (5-6 cm high) of 1 m wide and of convenient length with 45 cm channel all around are constructed. Raised beds are not necessary in areas where water logging is not a problem. Excess water is drained off to maintain a water level just sufficient to cover the soil. The surface of the seed bed is so levelled that there is gradual inclination toward both sides to facilitate drainage of water during the first few days.
- For each 100 m² area of nursery bed, provide 1 kg N, 0.4 kg P₂O₅ and 0.5 kg K₂O. Double the P₂O₅ application in locations where cool temperatures retard the growth of seedlings. The fertilizers are mixed with soil before sowing.
- Sow (broadcast) pre-germinated seeds (soak the seeds for 24 hours, incubate in warm moist conditions for 36-48 hours until germination on a drained bed at the seed rate of 20kg (unsoaked weight basis) per acre. If seeds are sown too closely seedlings will be weak. It will be also more difficult to pull seedlings and there will be more chances of injury to the long roots of adjacent seedlings.
- Before sowing seeds should be treated with Mancozeb @ 2.5g/kg or Bavistin 50WP @ 2g/kg of seeds to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc.

Ragi:

Variety: Bhairabi, Subhra, Nilachala, Godabari, Champabati, OEB 265/532/526/602

- Plain & upland is suitable for Ragi cultivation.
- Spacing row to row 20-25 cm and plant to plant 10 cm. Seed rate 10kg/ha.
- Before sowing seeds should be treated with Mancozeb @ 2.5g/kg or Bavistin 50WP @ 2g/kg of seeds.
- Fertilizer dose: N:P₂O₅:K₂O -50:40:25 kg/ha. Before transplanting apply whole P₂O₅ with 50% of K₂O & N. Rest 50% N should be applied after earthingup & weeding at 15-20 days after transplanting.

Ginger:

- Select high loamy land for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.
- Variety: Suprabha, Suruchi & Suravi should be planted. Seed rate-1800-2000 Kg/ha
- Before sowing dip rhizomes in a slurry of 1g carbendazim, 3g Mancozeb, 1g Plantomycin & 2ml Quinalphous per liter of water for half an hour and dry in the shade.

Vegetables:

- If bacterial wilting observes in tomato and brinjal, apply Plantomycin @ 1.5 g and Copper Oxychloride @ 3 g/litre of water.
- Rising temperature is favorable for attack of fruit and shoot borer in Brinjal Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.

Yam:

- June is the optimum time for yam planting. Grow suitable high yielding varieties of yam like Shreekirti, Shreerupa, Hatikhoj, Shreeshilpi, Small yam: Shreelata, Shreekala, White yam: Shreesubhra, Shreepriya, Shreedhanya. 8-10 quintals yam required for planting in one acre. Cut the yam into pieces of 150-200 g each. Dig out 1.5 ft. x 1.5ft deep holes at 3X3 ft spacing. Apply 5 tons FYM during final land preparation. Apply full P of the recommended fertilizer dose of 32:24:32 kg NPK/acre as basal. Plant the seed material at 5-10 cm sowing depth. Cover the beds with straw mulch of 5 cm height.

Note: Contact nearby State Agriculture Officer or KVK Scientist for necessary help and suggestion.

Dr. Kedareshwar Pradhan
(Nodal Officer)