



# GRAMIN KRISHI MAUSAM SEWA

INDIA METEOROLOGICAL DEPARTMENT

NORTH EASTERN GAHAT ZONE

RRTTS, G.UDAYAGIRI, OUAT, KANDHMAL, ODISHA-762100

MULTIMODEL ENSEMBLE BASED DISTRICT LEVEL WEATHER FORECAST FOR THE STATE: ODISHA

ISSUED ON: 13.04-2018

VALID TILL 08:30 IST OF THE NEXT 5 DAYS



Week No 97

Bulletin No. 64

Dt. 13.04.2018

DISTRICT	Date	Rainfall (mm)	T-MAX (C)	T-MIN (C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
RAYAGADA	14/4/2018	4	38	23	2	85	22	3	188
	15/4/2018	6	38	23	2	76	20	4	206
	16/4/2018	6	38	23	2	70	20	4	208
	17/4/2018	4	38	24	2	70	19	5	179
	18/4/2018	3	38	24	2	77	18	5	184

**WATER MANAGEMENT OF SUMMER RICE** Rice need about 80 to 140 cm. water depending upon the duration of the variety. On an average for one day duration the crop needs about 1cm water.. Tillering, Jointing, Panicle development, flowering and milking stages are the most critical stages for irrigation. Moisture stress at these stages leads to poor yield .Drain out water from the field.

The weather is now optimum for sowing of greens (Leutia sag). Go for land preparation Cover the seeds with soil by hands followed by straw. Because of small sized seeds, mix the seeds with coarse sands for easy sowing. 4- 6 kg seeds are required per acre. Remove the weeds and stubbles. Apply 2 baskets of FYM. Lay out small beds of 5 ft. long, 4 ft. wide with bunds all around. The seedlings are transplanted at a spacing of 75x 30cm. After 12 – 15 days the seedlings are ready for transplanting in the main field. Irrigate the beds and remove the straw after emergence. Cutting is done 1 month after sowing for eating.

Grow the following high yielding short duration varieties of vegetables like okra, bitter gourd, cluster bean,cow pea and ridge gourd. Ridge gourd- Pusa Najdar, Jaypur long, and any local variety. Bitter gourd- Pusa Domousumi, Coimbatore long green, and Arka Harit. Okra-Utkal Gourav, Arka Anamika, Varsha Uphar, Parvani kranti and all available hybrid varieties. Cluster bean-Pusa Naubahar. Cow pea- Arka Garima, Utkal Manik.

Mango stone weevil is a major insect pest for mango at the present stage. Spray Malathion @ 2ml/ litre of water.

In fisheries maintain water depth of 5 ft. in the pond where cultivation is still continuing. Increase the feed up to 2% of the body biomass as the intake will be more with increase in temperature.

**RICE** : Rice crop is at panicle initiation stage. Apply 12 kg N/acre. Field should be saturated before fertilizer application and keep 5 cm standby water after 48 hours of planting. High differential temperature between day and night favours the infestation of Blast. Spray 0.6 g Tricyclazole or 1 ml. Ediphosphos in each litre water. Withhold top dressing of Urea for five days after the spraying. Increased temperature may favour the egg laying of stem borer in rice in the main field. To attract the borer butterflies, place 4 Pheromon Traps/acre, collect the adults and destroy them by burying them under soil or by burning. Spray 2 ml Prophenophos per litre water. Spray 2 ml Bipvin or Fipronil or Hostathion to control Leaf folders.

**BANANA** : Panama wilt in banana has been found. Uproot and burn the affected plant. Soil drenching with 2 g Carbendazim in one litre water thoroughly particularly in root zone. Leaf spot disease in banana. Spray 0.5% Proplconazole mixing with few drops of teepol for effective spraying on leaves. Incidence of banana aphid *Pentalonia nigronervosa*. Spray 1 ml imidacloprid per each liter water on leaf axils at monthly intervals. Nematode infestation resulting in stunted plants with less number of leaves. Apply 30 g Carbofuran/plant or 500 g Neem oil cake/plant.

**Due to likely increase in temperature, efficient water management is essential-** Cover with paper caps on the newly planted vegetable seedlings during day time. Sprinkler irrigation brings down the heat effect. Adopt drip/sprinkler irrigation. Irrigate in alternate rows.

**LIVESTOCK-** Due to forecast of increasing temperature, provide electrolytes in drinking water of poultry in poultry house . Provide sufficient clean drinking water to animals.

For any problem related to agriculture sector, please dial the toll free number 1551.

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