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ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
Mahisapat, Dhenkanal- 759 013



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Week No.16

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(TUESDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (10.04.2024 to 16.04.2024)

Rainfall (mm)	7.6
Maximum Temperature (°C)	23.9-39.9
Minimum Temperature (°C)	20.4-24.7

Forecast (Up to 21.04.2024) given by Met. Centre, IMD, Bhubaneswar

Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
17-04-2024	0	41	25	0	56	16	9	162
18-04-2024	0	41	25	0	62	12	10	169
19-04-2024	0	42	26	0	81	10	11	158
20-04-2024	0	42	26	1	81	13	9	153
21-04-2024	0	41	24	1	82	16	13	153

As per IMD forecast, dry weather is expected for Dhenkanal district during next five days. The sky will remain clear to mainly clear. The wind speed is likely to remain 09-13 km/h. The maximum temperature is likely to remain between 41-42°C and minimum temperature between 24-26°C. The maximum RH will remain between 56% to 82% and minimum RH between 10% to 16% during next five days.

Agromet Advisory

General Advisory:

- ❖ Farmers are advised to frequently irrigate the crops like sugarcane, summer maize, pulses and vegetables to avoid high temperature stress.
- ❖ Resort to drip and sprinkler irrigation practices wherever possible in the event of limited water availability particularly for commercial crops including fruit orchards and widely spaced vegetables. Sprinkler irrigation brings down the heat effect. For row crops alternate rows may be irrigated.
- ❖ Apply mulches to maintain high moisture status in the soil. Use straw, dry leaves and saw dust for mulching.

Crop	Stage	Agromet Advisory
PADDY (Summer)	Milking / Soft Dough	To control Gundi Bug spray Chlorpyrifos 20% EC @ 400 ml/ acre or Malathion 50 % EC @ 400 ml/ acre by mixing in 200 litre of water. Dusting of Chlorpyrifos 1.5 % D @ 10 kg/acre 3 or Malathion 5 % D.P @ 10 kg/acre should be done uniformly during morning hours, when there is no or minimum wind.
SUGARCANE:	Vegetative	Irrigate the crop at 7-10 days interval in the hot summer depending on the soil texture. The critical period for irrigation is between 45-75 days of planting. Irrigate the crop till the onset of monsoon.
CUCURBITS	Flowering	To manage Fruit fly in cucurbits, prepare a poison bait by mixing 400 g of Isomax and 8 ml Malathion or DDVP in 4

Cucumber, Bitter gourd, Sponge gourd):		@80 nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.
TOMATO/ BRINJAL:	Flowering/ Fruiting	To control Bacterial wilt drench the soil with Streptocycline @ 1.5 g or Plantomycin @ 15 g with Copper Oxychloride @ 30 g/ 10 liters of water.
CHILLI:	Flowering to Fruiting	There are chances of Fruit rot and die back disease incidence in Chilli crop. To manage these disease spray Propineb 70 % WP @ 500 gram/acre or Difenconazole 25 % EC m@ 100-ml/acre or Azoxystrobin 23 % SC @ 200-ml/acre. The fungicide should be sprayed first just before flowering and second at fruit formation stage.
ANIMAL HUSBANDRY:	During scorching heat the animals should be tied under tree shed. If the roof the animal shed is made up of tin or asbestos, then put straw over it and sprinkle water on it from time to time. Cover the windows and doors of the shed with wet gunny bag and remove it after sun set. Do white washing over walls and the roof of the house. If you are keeping high producers then install fans, water sprinklers and other heat reducing instruments. If the animal is succumbed due to heat stress then apply ice and wet clothes over its head and call a Veterinarian as soon as possible.	
POULTRY:	Due to severe heat there is reduction of growth rate and egg production in poultry and if the treatment is not provided in time then the bird may die. While constructing poultry shed keep in mind that the direct sun rays shouldn't enter, there should be proper ventilation, the roof should be high and side walls should be low. Plant pumpkin or similar plants over roof to avoid direct sunlight. Spray water over the poultry birds but keep in mind that the litre material should not get wet. The poultry shed remain cool by hanging wet gunny bag over side walls. The litre should be turned from time to time because it holds heat and increases the temperature inside shed. Plant green plants around the shed.	

**Approved by ADR cum Nodal Officer
GKMS-AMFU, RRTTS
Mahisapat, Dhenkanal**

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