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(MONDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (27.02.2024 to 04.03.2024)

Rainfall (mm)	1.3
Maximum Temperature (°C)	30.0-36.5
Minimum Temperature (°C)	17.5-24.6

Forecast (Up to 09.03.2024) 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)
05-03-2024	0	34	23	3	73	23	9	165
06-03-2024	0	35	22	3	71	17	8	75
07-03-2024	0	34	21	3	84	21	8	135
08-03-2024	4	32	22	5	75	28	10	99
09-03-2024	2	32	22	6	89	27	9	135

As per IMD forecast, dry weather is expected in Dhenkanal district during next three days and very light to light rainfall thereafter. The sky will remain partly to generally cloudy. The wind speed is likely to remain 08-10 km/h. The maximum temperature is likely to remain between 32-35°C and minimum temperature between 21-23°C. The maximum RH will remain between 71% to 89% and minimum RH between 17% to 28% during next five days.

Agromet Advisory

General Advisory:

- ❖ Increase the frequency of irrigation in vegetable crops to prevent damage from moisture and high temperature stress.
- ❖ Continue sowing of Cowpea, Cluster bean, Pumpkin, Cucumber and Watermelon.
- ❖ Transplanting of vegetables should be done in afternoon hour to avoid high temperature.
- ❖ Mulching is advised to reduce the evaporation from soil in orchard crops.

PADDY (Summer):

- ❖ Increased temperature may favour the egg laying of stem borer in the main field of rice. To attract the butterflies, place 5 Pheromone Traps/acre, collect the adults and destroy them by burying under soil or by burning.
- ❖ Increased difference between daily maximum and minimum temperature favours the infestation of blast in main field. Spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 80 g/acre or Isoprothiolane 40EC @ 300 ml/acre in 200 litres of water. Repeat the spray at 7-10 days' interval.

GROUNDNUT:

Increase in temperature may enhance red hairy caterpillar and tobacco caterpillar infestation in groundnut. To control, spray Profenophos 50% EC @ 400 ml/ 200 litre of water or Flubendiamide 480 SC @ 40 ml/200 litre of water.

BANANA:

Keeping in view of rise in temperature, farmers are advised to increase the frequency of irrigation in Banana Plantation and mulch the plant basins with dried leaves. Cover the developing bunches with banana leaves.

TOMATO:

overexposed to the sun rays directly. Avoid straight staking techniques. Grow resistant cultivars such as- Arka Vardan, Hisar Lalit, SL-120, Pusa Hybrid-2, NTDR-1, Tomato Tarun F1 and Tomato Tulsi F1.

AMARANTHUS:

Now it is optimum time for sowing of Amaranthus. Lay out small beds of 5 ft. long, 4 ft. wide with bunds all around. 4- 6 kg seeds are required/acre. Because of small size seeds, mix the seeds with coarse sands for easy sowing. Cover the seeds with soil followed by straw to avoid high temperature.

CUCURBITS:

There are chances of infestation of Pumpkin Beetle in cucurbit crops like Pumpkin, Bitter Gourd, Melon and Cucumber crops. To control Red Pumpkin Beetle in Cucurbit crops spray Cyantranilprole 10.26% OD @ 400 ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400 ml/acre.

COWPEA:

Present weather condition favourable for sowing of Cowpea. Some cowpea varieties are Swarna, Swarna harina, Utkal Manik, Pusa Dofasali, Pusa Raturaj, SEB 2, FS-68, K- 585, SGL- 1, Kashi Kanchan 1, Pant Lobia 3, Pant Lobia 4, Goa cowpea 3, Tirupati. Seed treatment is done by mixing fungicides like Vitavax Power @ 2 g/ Kg or Carbendazim @ 2 g/ kg of seed 24 hours before sowing.

ANIMAL HUSBANDRY:

As temperature is increasing provide sufficient clean drinking water with salt to animals. Ensure that the animals are kept under shades.

POULTRY:

During summer, supply plenty of clean and cold drinking water to poultry birds. Increase frequency of feeding. Do not offer feed during day time, offer feed during early morning and evening hours. 20- 30% extra vitamins and trace minerals should be added to feed.

Approved by ADR cum Nodal Officer
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