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Week No.17

Bulletin No.34
Dt. 26.04.2024
(FRIDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (20.04.2024 to 26.04.2024)

| | |
|---------------------------------|------------------|
| Rainfall (mm) | 0.0 |
| Maximum Temperature (°C) | 39.7-43.7 |
| Minimum Temperature (°C) | 24.5-28.1 |

Forecast (Up to 01.05.2024) given by Met. Centre, IMD, Bhubaneswar

| Date | Rainfall (mm) | T-MAX (oC) | T-MIN (oC) | Cloud Cover | Rh Max (%) | Rh Min (%) | Wind speed (kmph) | Wind Direction (deg) |
|-------------|----------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------------|-----------------------------|
| 27-04-2024 | 0 | 43 | 27 | 1 | 63 | 12 | 11 | 169 |
| 28-04-2024 | 0 | 43 | 27 | 1 | 70 | 10 | 9 | 202 |
| 29-04-2024 | 0 | 44 | 27 | 1 | 71 | 12 | 10 | 158 |
| 30-04-2024 | 0 | 43 | 26 | 0 | 75 | 10 | 11 | 161 |
| 01-05-2024 | 0 | 42 | 25 | 1 | 57 | 9 | 12 | 202 |

As per IMD forecast, the Dhenkanal district is likely to dry during next 5 days. The sky will remain clear to mainly clear. The wind speed is likely to remain 09-12 km/h. The maximum and minimum temperature will likely to decrease gradually during next five days. The maximum RH will remain between 63% to 75% and minimum RH between 09% to 12% during next five days.

Agromet Advisory

General Advisory:

- ❖ Farmers are advised to frequently irrigate the crops like sugarcane, summer maize, pulses, oilseeds 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) | Soft Dough/ Hard Dough | <ul style="list-style-type: none"> • In view of prevailing heat wave condition, frequently irrigate the rice crop to maintain 5 cm water depth. • High variation of temperature between day and night leads to infestation of Neck Blast disease. For managing neck blast disease in paddy spray Hexaconazole 5% E.C. @ 200-ml/acre or Azoxystrobin 18.2% w/w + Difenoconazole 11.4 % w/w SC @ 200-ml/acre or Tebuconazole 50% +Trifloxystrobin 25% WG 80-gram/acre. |
| SUGARCANE | Vegetative | Provide frequent irrigation to sugarcane crop to avoid heat stress. |

| | | |
|--|------------------------|---|
| MANGO | fruiting | To protect the mango plant from heat wave, Increase the frequency of irrigation. Mulch the plant basin with dried leaves. |
| BANANA | Vegetative to fruiting | To protect the Banana plant from heatwave, Mulch the plant basin with dried leaves. Increase the frequency of irrigation. Cover the developing bunches with banana leaves. Harvest the bunches either in the morning or in the evening. |
| VEGETABLES (Brinjal, Tomato, Chilli and cucurbits) | Flowering to Fruiting | <ul style="list-style-type: none"> • To protect the vegetables from heat wave, Increase the frequency of irrigation. Make arrangement for covering with shade net. • To manage wilting in vegetable crops, drench the root zone with a solution of 2 g Streptocycline + 20 g Copper Oxchloride 50% WP by mixing with 10 liters of water. |
| ANIMAL HUSBANDRY: | | <ul style="list-style-type: none"> • For protection against scorching heat, Provide clean and sufficient water to the cattle. • Allow them for grazing either in morning or in afternoon hour. • Do bathing twice a day. • Place wet gunny bags on the windows and doors during day time. Use fans for well ventilation. • Feed less in the morning and more in the evening. |
| POULTRY: | | <ul style="list-style-type: none"> • For protection against scorching heat, provides shade by covering the mat on the poultry house. • Sprinkle water to the shed at regular intervals to control high temperature. <p>Provide clean and adequate water to the poultry.</p> |

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