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India Meteorological Department
Orissa University of Agriculture and Technology
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Date: 12.03.2024

West Central Table Land Zone

Bargarh

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is a chance of occurrence of very light rainfall along with generally cloudy to overcast sky is expected at the end of upcoming week. The maximum and minimum temperature is likely to be ranges between 33-37⁰C and 22-25⁰C respectively during this week. The maximum and minimum relative humidity may vary between 27-62% and 11-15% respectively. The NW/SE wind with a speed of 8-11 km/hr is predicted during upcoming days.

Date	13-03-2024	14-03-2024	15-03-2024	16-03-2024	17-03-2024
Rainfall (mm)	0	0	0	0	2
Max Temperature (° C)	36	37	34	34	33
Min Temperature (° C)	24	25	25	23	22
Total cloud cover (okta)	0	0	0	4	8
Max Relative Humidity (%)	27	29	25	62	59
Min Relative Humidity (%)	13	11	11	11	15
Wind speed (km/h)	8	10	11	9	11
Wind direction (deg)	120	281	292	105	195

For further information, contact the IMD, Bhubaneswar, Tel. # 0674-2596116

General Advisory

- As there is a chance of increasing maximum temperature in upcoming days, farmers are advised to apply light and frequent irrigation to the standing crops and if possible, increase the frequency of irrigation at critical growth stages of crops. Irrigation should be done only during the evening or early morning.
- There is a chance of occurrence of light rain along with cloudy weather and slightly high wind speed condition is expected after three to four days so farmers should take proper care during spraying operations.
- Mulching should be done with crop residue, straw / polythene to conserve soil moisture as well as maintain soil temperature.
- Prevailing weather condition (dry weather along with periodic cloudy) is favourable for increasing the population of different diseases and insects in crop field so its regular monitoring should be advised.
- Avoid grazing / feeding of cattle during noon hours.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Rice	DAT/ Tillering	<ul style="list-style-type: none"> • Spraying of Pyrazosulfuron-ethyl 10 WP @ 5 g/10 ltrs of water at 3-5 DAT or Bispyribac sodium @ 120 ml by mixing with 140 liters of water per acre at 10-15 DAT should be advised under clear weather condition. • First top dressing of Urea fertilizer should be advised in rice plant. To control yellow stem borer, spraying of Chlorantraniliprole 18.5% SC @ 0.3ml or Fipronil 5% @ 2.5ml per liter of water should be advised.
Green Gram (Summer)	Vegetative stage	<ul style="list-style-type: none"> • Current weather condition is favourable for aphids attack in pulse crop so its regular monitoring should be advised. If attack observed, then spraying of imidacloprid @ 0.3 ml or Thiamethoxam @ 0.3 g per liter of water should be advised. • Yellow mosaic virus(transmitted through white fly) attack symptoms is observed in some farmers field so to control this insect spraying of

		Acetamiprid 20% SP @ 40 g/acre in 200-250 liters of water should be advised under clear sky.
Maize	Vegetative stage	<ul style="list-style-type: none"> To control stem borer in Maize field, spraying of Fipronil 5% SC or Profenophos 50% EC @ 2ml and for fall army worm, Emamectin Benzoate @ 0.4 g per liter of water should be advised.
Mustard	Harvesting / Drying	<ul style="list-style-type: none"> Farmers are advised to keep their harvested mustard crop in safe place because light rain is expected at the end of this week.
Mango	Mustard/ Pea size fruit	<ul style="list-style-type: none"> To control mango hopper in Mango tree, spraying of insecticides like Acephate (1g/L) or Chloropyriphos (0.5 ml/L) or Thiomethoxam (0.3-0.4 g/L) should be advised. To control powdery mildew disease in mango, spraying of soluble sulphur (2 g/ L) should be advised during clear weather condition. To increase fruit size KNO₃ 2% at mustard size fruit stage should be applied. Spraying of Planofix @ 1ml/4.5 liters of water should be advised at Mango with pea size fruit stage to reduce fruit drops.
Tomato and Brinjal	Fruiting	<ul style="list-style-type: none"> To control leaf eating caterpillar and fruit borer/shoot and fruit borer in Tomato and Brinjal, spraying of Emamectin Benzoate @ 0.4 g per liter of water should be advised under clear weather. Early (Alternaria) blight infection is observed in some tomatoields so spraying of Tebuconazole 50% + Trifloxystrobin 25% @ 0.4g per liter water should be advised.
Onion	Vegetative stage	<ul style="list-style-type: none"> Spraying of Tebuconazole 50% + Trifloxystrobin 25% @ 0.4g per liter water should be advised to control purple blotch disease in Onion and in case of thrips attack, spraying of imidacloroprid @ 0.3 ml or Thiamethoxam @ 0.3 g per liter of water or Acetamiprid 20% SP @ 1g per 4 liters of water should be advised.
Cow/Buffalo		<ul style="list-style-type: none"> To protect the animal from heat, farmers should make provision to provide fresh clean and cold drinking water to the animal along with salt because temperature is expected to be increased in upcoming days. Keep animals in shade and don't make them work between 11 am to 4 pm. Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature.

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