



Gramin Krishi Mausam Sewa
India Meteorological Department
Orissa University of Agriculture and Technology
RRTTS, Chiplima, Sambalpur



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Week no-11

Date: 15.03.2024

West Central Table Land Zone

Balangir

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is a chance of occurrence of light to moderate rainfall along with partly to generally cloudy sky is during upcoming week. The maximum and minimum temperature is likely to be ranges between 35-39⁰C and 22-24⁰C respectively during this week. The maximum and minimum relative humidity may vary between 43-80% and 9-32% respectively. The SE/SW/NE wind with a speed of 7-14 km/hr is predicted during upcoming days.

Date	16-03-2024	17-03-2024	18-03-2024	19-03-2024	20-03-2024
Rainfall (mm)	0	0	2	5	20
Max Temperature (° C)	39	39	38	37	35
Min Temperature (° C)	22	23	23	24	22
Total cloud cover (okta)	4	2	4	5	6
Max Relative Humidity (%)	69	80	72	43	43
Min Relative Humidity (%)	24	32	27	9	9
Wind speed (km/h)	7	8	10	11	14
Wind direction (deg)	146	189	68	124	124

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

General Advisory

- As there is a chance of occurrence of rainfall in upcoming days so farmers are advised to schedule irrigation as well as spraying operations accordingly. Farmers should make provision to keep the harvested rabi crop produce in safe place to avoid damage due to adverse weather condition which is expected to be occurred in 2nd half of upcoming week.
- Mulching should be done with crop residue, straw / polythene to conserve soil moisture as well as maintain soil temperature.
- Prevailing weather condition (dry weather, rise in maximum temp. along with periodic cloudy sky) is favourable for increasing the population of different diseases and insects in crop field so its regular monitoring should be advised.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
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. Farmers shouldn't apply hormone and insecticide at same time. There should be at least one week gap between their applications.
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 tomato fields 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 imidacloprid @ 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 and also make provision to avoid direct entry of rain water to animal shed.

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