



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



No.25 (English Bulletin)

Week no-13

Date: 26.03.2024

West Central Table Land Zone

Sonepur

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is very less chance of occurrence of rainfall along with clear sky is expected during upcoming three days and thereafter very light rainfall in some places along with partly cloudy to overcast cloudy condition is prevailed over the district. The maximum and minimum temperature is likely to be ranges between 36-40⁰C and 21-23⁰C respectively during this week. The maximum and minimum relative humidity may vary between 38-42% and 12-18% respectively. The SW/NW wind with a speed of 8-11 km/hr is predicted during upcoming days.

Date	27-03-2024	28-03-2024	29-03-2024	30-03-2024	31-03-2024
Rainfall (mm)	0	0	0	0	2
Max Temperature (° C)	36	36	38	38	40
Min Temperature (°C)	21	21	23	23	23
Total cloud cover (okta)	0	0	0	4	8
Max Relative Humidity (%)	39	42	37	38	40
Min Relative Humidity (%)	18	13	12	14	13
Wind speed (km/h)	10	8	8	11	10
Wind direction (deg)	225	240	288	210	251

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

General Advisory

- As there is a chance of dry weather condition along with increase maximum temperature is expected during upcoming week so farmers are advised to apply need based irrigation in crop field and conduct fertilizer application and spraying operations during that period.
- There is a chance of occurrence of cloudy weather along with very light rain after three days of upcoming week and beginning of next week so farmers are advised to 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 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 because there is a chance of increase in maximum temperature in upcoming days.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Rice	Tillering	• Farmers are advised to apply top dressing of urea fertilizer in rice plant in tillering stage under adequate moisture condition. 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 under clear sky.
Green Gram (Summer)	Vegetative stage	• To control aphids attack in pulse crop, spraying of imidacloprid @ 0.3 ml or Thiamethoxam @ 0.3 g per liter of water and for yellow mosaic virus (transmitted through white fly) spraying of Acetamiprid 20% SP @ 40 g/acre in 200-250 liters of water should be advised under clear weather.
Maize	Vegetative stage	• Looking to the past rainfall event, farmers are advised to drain out excess water from field and fertilizer application should be done under

		<p>proper moisture condition at this stage.</p> <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.
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) and for powdery mildew disease, spraying of soluble sulphur (2 g/ L) should be advised under 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.
Vegetable crops	Vegetative stage / flowering/ Fruiting	<ul style="list-style-type: none"> Proper monitoring against root and fruit rot disease infestation in vegetable crops should be advised. 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. 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.

<p>Ms. Jubuli Sahu Junior Agrometeorologist, GKMS, RRTTS, Chiplima</p>	<p>Dr. Sanjukta Mohapatra ADR cum Nodal Officer RRTTS, Chiplima</p>
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