



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



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Week no-12

Date: 22.03.2024

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 two days and thereafter partly clear to partly cloudy condition is prevailed over the district. The maximum and minimum temperature is likely to be ranges between 36-38⁰C and 20-21⁰C respectively during this week. The maximum and minimum relative humidity may vary between 31-52% and 9-17% respectively. The SE/SW/NW/S wind with a speed of 8-10 km/hr is predicted during upcoming days.

Date	23-03-2024	24-03-2024	25-03-2024	26-03-2024	27-03-2024
Rainfall (mm)	0	0	0	0	0
Max Temperature (° C)	36	36	37	38	38
Min Temperature (°C)	20	20	21	21	21
Total cloud cover (okta)	0	0	2	2	0
Max Relative Humidity (%)	31	52	37	42	42
Min Relative Humidity (%)	17	12	13	9	12
Wind speed (km/h)	8	8	10	9	9
Wind direction (deg)	117	243	288	180	292

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 fertilizer after draining out excess water under water logged condition and conduct spraying operation during that period.
- There is a chance of occurrence of cloudy weather after two days 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	Looking to the previous rainfall event farmers are advised to apply top dressing of urea fertilizer in rice plant after draining out excess water. 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"> Under water logged condition, drain out excess water as soon as possible in vegetable field to avoid root and fruit rot disease infestation in crop. 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 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.

<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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