



Gramin Krishi Mausam Sewa
India Meteorological Department
Orissa University of Agriculture and Technology
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No.06 (English Bulletin)

Week no-03

Date: 19.01.2024

West Central Table Land Zone

Sambalpur

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is a chance of occurrence of light rainfall along with partly to generally cloudy sky is expected during upcoming days. The maximum and minimum temperature is likely to be ranges between 25-27⁰C and 18-20⁰C respectively during this week. The maximum and minimum relative humidity may vary between 69-91% and 32-44% respectively. The easterly/ southerly/ westerly wind with a speed of 6-7 km/hr is predicted during upcoming days.

Date	20-01-2024	21-01-2024	22-01-2024	23-01-2024	24-01-2024
Rainfall (mm)	4	0	0	5	7
Max Temperature (° C)	26	27	27	26	25
Min Temperature (° C)	19	18	19	19	20
Total cloud cover (okta)	7	4	4	6	5
Max Relative Humidity (%)	78	91	69	77	72
Min Relative Humidity (%)	37	36	36	32	44
Wind speed (km/h)	7	7	6	6	6
Wind direction (deg)	72	79	270	75	195

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

General Advisory

- As per extended range forecast of IMD, rainfall is below normal, maximum and minimum temperature is expected to be normal and below normal respectively for Odisha during 24.01.2024 to 30.01.2024 so farmers are advised to make provision to protect their crop as well as animal from cold weather.
- Decrease in temperature, cloudy weather along with very light to light rainfall is expected during upcoming week so any type of spraying operations and fertilizer application should be avoided during that period.
- Prevailing weather condition (foggy and cloudy) is favourable for Mealy bug, Aphid and other sucking pest infestation in fruit, vegetable, flower and oilseed crops so farmers are advised to make provision to protect their crops from these insects and take proper protective as well as preventive measures accordingly.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Paddy (Rabi)	Nursery sowing and management	<ul style="list-style-type: none"> Nursery sowing of some of the recommended rice varieties (rabi season) i.e. Swarna, 1001, MTU-1156 etc. should be completed at the end of January but lowering in minimum temperature is expected in upcoming days so farmers are advised to apply well decomposed FYM on wet bed after sowing of seed to keep it warm. Seed treatment with Carbendazim (Bavistin) @ 2 g per kg of paddy seed should be advised before sowing in the nursery bed and during bed preparation, bed should be treated with any granular insecticides before sowing of seed.
Mustard	Flowering stage	<ul style="list-style-type: none"> To control aphid and mustard sawfly attack in mustard crop, spraying of Imidachlorprid @ 0.3ml or Thiamethoxam @ 0.3g and Chlorpyrifos @ 2ml per liter of water respectively should be advised. Spraying should be avoided in upcoming week because cloudy and foggy weather is expected that period.
Groundnut	Sowing/ Vegetative	<ul style="list-style-type: none"> Seed treatment with Carbendazim @ 2-2.5 g/kg seed before sowing and with Rhizobium culture @ 20 g per kg of seed at the time of

	stage	sowing. Spraying of Imazethapyr @ 3 ml/ltr of water should be advised within 15 DAS.
Brinjal, Tomato and Potato	Flowering stage/ Fruiting	<ul style="list-style-type: none"> To control late/early blight infestation in Tomato and Potato, farmers should use Metalaxyl + Mancozeb @ 2.5 g per liter of water as preventive as well as protective measure against this disease. 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 after two to three days when sky is clear.
Cole crops	Curd/Head formation	<ul style="list-style-type: none"> To control Diamond Back Moth in Cauliflower spraying of Spinosad 45 SC @ 0.5 ml or Fipronil 5% SC @ 2ml per liter of water should be advised under clear weather condition. If possible, use pheromone trap to control this insects.
Animal Husbandry (Cow and Buffalo)		<ul style="list-style-type: none"> Farmers are advised to keep the animal shed clean and dry to avoid disease and insect attack and also provide mineral mixture, jaggery etc. along with fresh clean drinking water to the animal and make proper provision (if possible use jute/gunny bags to cover the animal as well as animal shed and straw as bedding material) to protect the animal from cold because decrease in minimum temperature is expected during this week.
Poultry		<ul style="list-style-type: none"> In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

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