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Orissa University of Agriculture and Technology
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Week no-02

Date: 12.01.2024

West Central Table Land Zone

Sambalpur

According to medium range weather forecast of IMD, MC, Bhubaneswar, there is very less chance of occurrence of rainfall along with clear to partly cloudy sky is expected during upcoming week. The maximum and minimum temperature is likely to be ranges between 28-29°C and 13-15°C respectively during this week. The maximum and minimum relative humidity may vary between 42-89% and 18-29% respectively. The easterly wind with a speed of 5-7 km/hr is predicted during upcoming days.

Date	13-01-2024	14-01-2024	15-01-2024	16-01-2024	17-01-2024
Rainfall (mm)	0	0	0	0	0
Max Temperature (° C)	28	28	28	29	28
Min Temperature (°C)	14	13	13	14	15
Total cloud cover (okta)	0	0	0	0	4
Max Relative Humidity (%)	48	42	47	54	89
Min Relative Humidity (%)	29	18	18	24	27
Wind speed (km/h)	7	6	5	6	6
Wind direction (deg)	90	79	101	90	109

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

General Advisory

- Prevailing weather condition is favourable for Mealy bug, Aphid and other sucking pest infestation in fruit, vegetable 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.
- As per extended range forecast of IMD, rainfall is above normal, maximum and minimum temperature is also expected to be normal for Odisha during 17.01.2024 to 23.01.2024 but there is very less chance of occurrence of rainfall in upcoming 3-4 days so farmers are advised to conduct any types spraying operations during upcoming 3-4 days and keep their produce in safe places to avoid the damage due to adverse weather condition which is expected at the beginning of next week.

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"> • Seed treatment with Carbendazim (Bavistin) @ 2 g per kg of paddy seed should be advised to the farmers before sowing in the nursery bed. During nursery bed preparation, bed should be treated with any recommended insecticides before sowing of seed. • Decrease 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 and also apply one light irrigation in no rainfall condition.
Mustard	Flowering stage	<ul style="list-style-type: none"> • Prevailing weather condition is favourable for aphid and mustard sawfly attack in mustard crop so to control these insects spraying of Imidachlorpid @ 0.3 ml or Thiamethoxam @ 0.3 g per liter of water for aphids and Chlorpyrifos @ 0.5 ml per liter of water for mustard saw fly should be advised at initial stage of attack.
Groundnut	Sowing/	<ul style="list-style-type: none"> • Seed treatment with Carbendazim @ 2-2.5 g/kg seed before sowing and

	Vegetative stage	with Rhizobium culture @ 20 g per kg of seed at the time of sowing. Spraying of Imazethapyr @ 3 ml/ltr of water should be advised within 15 DAS.
Brinjal, Tomato and Potato	Vegetative / Flowering stage/ Fruiting	<ul style="list-style-type: none"> • Prevailing weather condition is favourable for late/early blight infestation in Tomato and Potato so farmers should use Metalaxyl + Mancozeb @ 2.5 g per liter of water as preventive as well as protective measure against this disease. • If possible, use 3 g Trichoderma per kg of seed during seed/seedling treatment to avoid wilt disease in tomato. • 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 condition.
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. 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.

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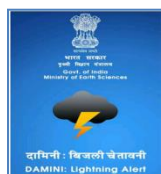
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