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Week no-01

Date: 05.01.2024

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 during upcoming week and clear to partly clear/cloudy sky is expected during that period. The maximum and minimum temperature is likely to be ranges between 27-28⁰C and 15-16⁰C respectively during this week. The maximum and minimum relative humidity may vary between 59-77% and 28-39% respectively. The wind speed of 4-8 km/hr is predicted from NE/SE direction during the upcoming days.

Date	06-01-2024	07-01-2024	08-01-2024	09-01-2024	10-01-2024
Rainfall (mm)	0	0	0	0	0
Max Temperature (° C)	28	27	27	27	27
Min Temperature (° C)	15	16	16	15	15
Total cloud cover (okta)	2	3	1	2	1
Max Relative Humidity (%)	75	77	75	59	68
Min Relative Humidity (%)	28	31	31	39	32
Wind speed (km/h)	8	7	6	4	5
Wind direction (deg)	114	79	108	158	124

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

General Advisory

- Past weather condition is favourable for aphid and other sucking pest infestation in all type of crops so farmers are advised to make provision to protect their crops as well as animals from cold and take proper protective as well as preventive measures against the insects. There is no chance of rainfall in upcoming week days so farmers are advised to conduct any types of agricultural operations during that period when sky is clear.

Crop and livestock Specific Agromet Advisory

Name of the crop	Crop Stage	Agromet Advisories
Paddy	Storage	<ul style="list-style-type: none"> • For safe storage, paddy grains need to be dried to below 14% and should be dried to below 12% moisture content for seed purpose. The ideal moisture content is between 12-14% for milling. Paddy should be stored in godown after proper cleaning and make provision to avoid damage due to stored grain pest, rat, mites etc.
Vegetable crops (Brinjal, Tomato, Potato, Chilli, Cole crops etc.)	Vegetative / Flowering stage/ Fruiting	<ul style="list-style-type: none"> • Farmers should use straw or polythene as a mulching as well as covering material to maintain soil temperature as well as moisture in crop field and also protect the crops from cold. • Prevailing weather condition is favourable for late 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 gram Trichoderma per kg of seed during seed/seedling treatment to avoid wilt disease in vegetable crops.
Mustard	Flowering stage	<ul style="list-style-type: none"> • Past foggy weather condition is favourable for aphid and mustard sawfly attack in mustard crop so its regular monitoring should be advised. If attack noticed, then spraying of Imidachlorprid @ 0.33ml or Thiamethoxam @ 0.3g per liter of water for aphids and Chlorpyrifos

		@ 0.5 ml per liter of water for control of mustard saw fly at initial stage of attack.
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. 	

Forecast for next two weeks (05th to 18th January, 2024) (Ref-IMD, MC, Bhubaneswar)

- Mainly dry weather very likely to prevail over the districts of Odisha during week-1 (5th to 11th January 2024) with possibility of light rain likely over extreme north interior districts of Odisha on 5th and 6th January, 2024. Isolated dense fog is likely to occur during week-1 over the districts of Odisha. No significant Change in Minimum temperature (Night temperature) and it is likely to be above normal by 2- 3^oC at many places over the districts of Odisha during week-1.
- Mainly dry weather very likely to prevail over the districts Odisha during most of the days of week-2 (12th to 18th January 2024) except isolated rainfall activity in some days over some districts of Odisha. Minimum temperature (Night temperature) is likely to be near normal at most places over the districts of Odisha during week-2.

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