



**Gramin Krishi Mausam Sewa**  
 District Level Agromet Advisory Bulletin  
 ICAR Central Coastal Agricultural Research Institute, Ela  
 North Goa



**Agromet Advisory Bulletin**

Date : 19-01-2024

Weather Forecast of NORTH-GOA(Goa) Issued On : 2024-01-19(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-01-20	2024-01-21	2024-01-22	2024-01-23	2024-01-24
Rainfall(mm)	0	0	0	0	0
Tmax(°C)	34.6	33.2	34.7	32.0	33.4
Tmin(°C)	18.9	18.7	19.4	18.8	18.8
RH-I(%)	80	78	72	70	71
RH-II(%)	36	39	36	36	35
Wind Speed(kmph)	8	8	7	7	7
Wind Direction(Degree)	75	90	90	243	72
Cloud cover(octa)	0	0	2	6	5

**Weather Summary/Alert:**

• Weather is likely to be dry for next 5 days • Haze likely at isolated places in morning hours on 19 & 20 January 2024 • Maximum & minimum temperatures are likely to be around 32°C & 20°C respectively • Week 1 ( January 12th – January 18th ) Rainfall is very likely to be large deficient Maximum temperature is likely to be 0-2°C lower than normal Minimum temperature is likely to be 0-2°C above than normal • Week 2 ( January 19th – January 25th) Rainfall is very likely to be large deficient Maximum temperature is likely to be 0-2°C lower than normal Minimum temperature is likely to be 0-2°C above than normal

**General Advisory:**

• Take control measures against pest and diseases • Provide irrigation to crops at regular intervals • Use meghdoot mobile app for agromet advisories

**SMS Advisory:**

• The increased humidity in the past five days may lead to more cowpea aphids, so it's important to take steps to control them by applying neem based insecticides or yellow sticky traps

**Crop Specific Advisory:**

Crop (Stage)	Crop Specific Advisory
RICE	• Considering the forecasted dry conditions over the next five days, it is advisable for farmers to ensure water level of approximately 5cm in the transplanted fields. This practice will contribute to the successful establishment of the crops during the upcoming dry period

GROUNDNUT	<ul style="list-style-type: none"> <li>Considering the forecast of dry weather during next 5 days, the groundnut crop should be irrigated regularly at 12-15 days interval</li> <li>Increased humidity during last 5 days, may increase the incidence of sucking pests in groundnut, hence take suitable control measures</li> <li>Apply NSKE 5% (neem seed kernel extract) or install yellow sticky traps</li> <li>Take up intercultivation operations and keep the fields weed free</li> </ul>
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### Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
COWPEA/ LOBIA	<ul style="list-style-type: none"> <li>Considering the forecast of dry weather during next 5 days, the cowpea crop should be irrigated regularly at 7-10 days interval</li> <li>Increased humidity during last 5 days, may increase the incidence of cowpea aphids hence take suitable control measures</li> <li>Apply NSKE 5% (neem seed kernel extract) or install yellow sticky traps</li> <li>Take up intercultivation operations and keep the fields weed free</li> </ul>
CHILLI	<ul style="list-style-type: none"> <li>Considering the possibility of dry weather, the chilli crop should be irrigated regularly</li> <li>Increased humidity during last 5 days, may increase the incidence of sucking pests in chilli crop, hence take suitable control measures</li> <li>Apply NSKE 5% (neem seed kernel extract) or install yellow sticky traps</li> <li>Take up intercultivation operations and keep the fields weed free</li> <li>At flowering and fruiting stage of chilli, apply 3rd dose of nitrogen fertilizer (55.45 kg/ha-Urea)</li> </ul>
MANGO	<ul style="list-style-type: none"> <li>Dry weather tends to decrease the amount of moisture in the air and soil, leading to an increase in evapotranspiration.</li> <li>In North Goa district fruit bearing mango trees are in flowering to fruit setting stage. Hence mulching of the tree basins and irrigation at 15 days interval can be done to avoid dropping of pea to betelnut-sized fruit</li> <li>In Possibility of increase in incidence of pest and disease in mango, due to previous week rainfall and cloudy weather in the district</li> <li>For mango hoppers - Spray two rounds of Imidacloprid 0.2ml/lit of water</li> <li>First spray at the time of panicle emergence, second spray two weeks spray</li> <li>For anthracnose – Spray carbendazim 0.1% at 14 days interval is recommended for managing disease</li> <li>For powdery mildew – The prophylactic spray of wettable Sulphur (0.2 %) or carbendazim (0.1 %) at the time of flowering and subsequent spray after fortnight will greatly help in reducing the incidence</li> <li>“Amrashakti” (Multi Nutrient Spray by DBSKKV, Dapoli) can be used @ 1 liter/19 litres of water for foliar application during flowering and fruit development to improve quality and yield of Alphonso mango</li> <li>Note: Spray needs to be avoided during full bloom or during pollination. If spraying is necessary, it should be done outside of the pollination time (09.00 am to 12.00 p. m.) to prevent affecting the pollinating insects in the garden. Spraying insecticides or fungicides is best done in the morning or evening. Pollinator’s population can be increased by keeping bee hives in the orchard</li> </ul>
CASHEW	<ul style="list-style-type: none"> <li>Dry weather tends to decrease the amount of moisture in the air and soil, leading to an increase in evapotranspiration. Hence mulching of the tree basins and irrigation at 15 days interval can be done</li> <li>Possibility of incidence of Tea mosquito bug and thrips in Cashew, due to previous week rainfall and cloudy weather in the district</li> <li>For Tea mosquito bug infestation, lambda cyhalothrin 5% @ 6 ml spray in 10 liters of water can be done</li> <li>For thrips infestation control, neem based insecticides can be applied</li> <li>Take weed management practices and mulching of the tree basin to conserve moisture</li> </ul>
COCONUT	<ul style="list-style-type: none"> <li>Dry weather tends to decrease the amount of moisture in the air and soil, leading to an increase in evapotranspiration. Hence mulching of the tree basins and irrigation at 8 days interval can be done</li> <li>Possibility of incidence of pests in coconut, due to previous week rainfall and cloudy weather in the district</li> <li>To control rugose spiraling whitefly spraying of water with jet speed could dislodge the whitefly and reduce the feeding as well as breeding potential of the pest</li> <li>Installation of yellow sticky traps</li> <li>In severe cases,</li> </ul>

	<p>spray only neem oil 0.5% or NSKE 5% and avoid spraying any form of insecticides • Possibility of Rhinoceros beetle incidence, hence adopt the mechanical method of control by extracting beetles with beetle hooks, without causing further injury to the growing point of the palm • The topmost leaf axils may be filled with powdered neem cake/Marotti cake @ 250 g + fine sand (250g) per palm as a prophylactic measure • Take weed management practices and mulching of the tree basin to conserve moisture • Circular basins of 1.8m in radius and 25 cm depth may be dug and green leaf or compost or farm yard manure may be spread in the basin</p>
ARECANUT	<ul style="list-style-type: none"> <li>• Dry weather tends to decrease the amount of moisture in the air and soil, leading to an increase in evapotranspiration. Hence mulching of the tree basins and irrigation at 8 days interval can be done</li> </ul>

### Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	<ul style="list-style-type: none"> <li>• As the minimum temperature drops at night, the animals should be covered with gunny bags at night to protect them from the cold • Dairy farmers are advised to feed mineral mixture daily to their cattle. The dose of mineral mixture is 30 to 50 grams and varies from company to company. • Mineral mixture provides essential minerals and vitamins to cattle which are required daily to maintain good production and reproduction. • Chelated mineral mixture is always effective than feeding plain mineral mixture. Bioavailability is more for chelated mineral mixture than plain MM</li> </ul>

### Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
BIRD	<ul style="list-style-type: none"> <li>• In cold and hilly areas, provide side curtains without restricting proper ventilation</li> </ul>