



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



Agromet Advisory Bulletin

Date : 02-02-2024

Weather Forecast of NORTH-GOA(Goa) Issued On : 2024-02-02(Valid Till 08:30 IST of the next 5 days)

Parameter	2024-02-03	2024-02-04	2024-02-05	2024-02-06	2024-02-07
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	31.0	31.0	32.0	33.0	32.0
Tmin(°C)	20.0	20.0	20.0	21.0	20.0
RH-I(%)	81	84	77	68	64
RH-II(%)	31	26	37	38	31
Wind Speed(kmph)	7	6	7	8	8
Wind Direction(Degree)	68	68	68	108	180
Cloud cover(octa)	4	1	0	0	0

Weather Summary/Alert:

• Weather is very likely to be dry for next 5 days • Haze/ shallow fog likely at isolated places on 02 & 03 February 2024. • No large change in minimum temperature for the next 5 days • Maximum & minimum temperatures are likely to be around 30°C & 19°C respectively

General Advisory:

• Mulching of the tree basins and irrigation at regular intervals can be done to avoid moisture stress in plantation crops • Use meghdoot mobile app for agromet advisories

SMS Advisory:

• Spraying of wettable Sulphur (0.2 %) at fortnight will greatly help in reducing the incidence of powdery mildew in mango

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 • Application of second dose of fertilizer (Urea – 54kg/ha) can be done at tillering stage
GROUNDNUT	• Considering the forecast of dry weather during next 5 days, , the groundnut crop should be irrigated regularly at 12-15 days interval • Increased humidity during last 5 days, may increase the incidence of sucking pests in groundnut,

hence take suitable control measures • To control the aphids, thrips and leaf miners spraying of spinosad @ 0.2 ml/litre of water can be done or apply NSKE 5% (neem seed kernel extract) • Fix yellow color sticky traps in the field to reduce aphids and other sucking pests • Farmers are suggested to take up weeding and earthing up practices

Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
COWPEA/ LOBIA	<ul style="list-style-type: none"> • Considering the forecast of dry weather during next 5 days, the cowpea crop should be irrigated regularly at 7-10 days interval • Increased humidity during last 5 days, may increase the incidence of cowpea aphids and thrips, hence take suitable control measures • To control the aphids and thrips spraying of spinosad @ 0.2 ml/litre of water can be done or apply NSKE 5% (neem seed kernel extract) • Yellow sticky traps can be kept in the field for better monitoring of these sucking pests • Farmers are suggested to take up weeding and earthing up practices
CHILLI	<ul style="list-style-type: none"> • Considering the possibility of dry weather, the chilli crop should be irrigated regularly • Increased humidity during last 5 days, may increase the incidence of sucking pests in chilli crop, hence take suitable control measures • Apply NSKE 5% (neem seed kernel extract) or install yellow sticky traps • Take up intercultivation operations and keep the fields weed free • At flowering and fruiting stage of chilli, apply 3rd dose of nitrogen fertilizer (55.45 kg/ha-Urea)
MANGO	<ul style="list-style-type: none"> • Dry weather tends to decrease the amount of moisture in the air and soil, leading to an increase in evapotranspiration. • Mulching of the tree basins and irrigation at 15 days interval can be done to avoid dropping of pea to betelnut-sized fruit • For mango hoppers - Spray two rounds of Imidacloprid 0.2ml/lit of water • First spray at the time of panicle emergence, second spray two weeks spray • For anthracnose – Spray carbendazim 0.1% at 14 days interval is recommended for managing disease • 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 • “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 • 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
CASHEW	<ul style="list-style-type: none"> • 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 • For Tea mosquito bug infestation, lambda cyhalothrin 5% @ 6 ml spray in 10 liters of water can be done • For thrips infestation control, neem based insecticides can be applied • Take weed management practices and mulching of the tree basin to conserve moisture
COCONUT	<ul style="list-style-type: none"> • 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 • Possibility of incidence of rugose spiraling whitefly • In juvenile palms, spraying of water with jet speed could dislodge the whitefly and reduce the feeding as well as breeding potential of the pest • Installation of yellow sticky traps • In severe cases, 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

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| <ul style="list-style-type: none"> • The topmost leaf axils may be filled with powdered neem cake/Marotti cake @ 250 g + fine sand (250g) per palm as a prophylactic measure |
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Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	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.

Poultry Specific Advisory:

Poultry	Poultry Specific Advisory
BIRD	• In cold and hilly areas, provide side curtains without restricting proper ventilation