



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



Agromet Advisory Bulletin

Date : 28-02-2023

Weather Forecast of NORTH-GOA(Goa) Issued On : 2023-02-28(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-03-01	2023-03-02	2023-03-03	2023-03-04	2023-03-05
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	35.0	35.0	36.0	37.0	37.0
Tmin(°C)	21.0	22.0	22.0	23.0	23.0
RH-I(%)	73	51	45	46	53
RH-II(%)	21	20	19	19	19
Wind Speed(kmph)	8.0	9.0	8.0	8.0	7.0
Wind Direction(Degree)	72	68	72	68	105
Cloud cover(octa)	0	0	0	0	2

Weather Summary/Alert:

Weather Inference • South easterly to North easterly winds prevail in the atmosphere over Goa between 0.5 to 3.5 km above mean sea level Weather Summary/ Alert • Maximum temperature likely to be above normal during 01 st - 04 th March 2023. • Weather is very likely to be dry during next 5 days • Haze/ Shallow Fog likely in the morning at isolated places on 28th Feb & 1 st March 2023. • No large change in minimum temperature for 24 hours, rise by 1-2°C in subsequent 2 days, no large change in following 2 days • No large change in maximum temperature on 28th Feb, gradual rise by around 2°C during following 3-4 days • Maximum & minimum temperatures are likely to be around 35°C & 22°C respectively Extended range forecast Week 1 (February 24th– March 2nd) • Rainfall is very likely to be large deficient • Maximum temperature is likely to be 0-2°C higher than normal • Minimum temperature is likely to be 0-2°C higher than normal Week 2 (March 3rd– March 9th) • Rainfall is very likely to be large deficient • Maximum temperature is likely to be 0-2°C higher than normal • Minimum temperature is likely to be 0-2°C higher than normal

General Advisory:

- Application of organic mulches, green/dried leaves, areca husk to the base of the palm and trees helps in conservation of soil moisture • Irrigation and weeding has to be done in the gardens and orchards • Take up the control measures for pest and diseases

SMS Advisory:

Due to forecast for increase in temperature, protect animals and from heat by covering roof of the shed with paddy straw, coconut leaves

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	<ul style="list-style-type: none"> • Weather is very likely to be dry during next 5 days • Due to increase in maximum temperature, water level should be maintained upto 5cm in the paddy fields • Application of second dose of fertilizer (Urea – 54kg/ha) can be done at tillering stage • Maintain the water level in the paddy fields • Farmers are suggested to take up weed management practices
GROUNDNUT	<ul style="list-style-type: none"> • Earthing up helps for the penetration of pegs in the soil and also facilitates for increased pod development • Provide irrigation at 10 to 15 days interval • 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) • Yellow sticky traps can be kept in the field for better monitoring of these sucking pests

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
COWPEA/ LOBIA	<ul style="list-style-type: none"> • Provide irrigation at 7 to 10 days interval • Foliar fertilization may be practiced with 2% DAP (200g dissolved in 10 litres of water) at flowering (40-45 DAS) which considerably increases 20 to 35 % of yield • Farmers are suggested to take up weeding and earthing up practices • 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
MANGO	<ul style="list-style-type: none"> • Due to increase in maximum temperature, both evaporation and transpiration may increase. Hence irrigate the orchards at 10-15 days interval • Mulching of the tree basins should be done • Pre harvest bagging of marble size mango fruits in 25 X 20 cm paper bags can improve quality of fruits and also protect the fruits from fruit fly infestation • Spraying of 0.3 ml Imidacloprid per litre of water is suggested to control hoppers • Spraying should be done before 9am or after 4pm in order to save non-target pollinators
CASHEW	<ul style="list-style-type: none"> • Due to forecast of increase in maximum temperature, both evaporation and transpiration may increase. Hence irrigate the orchards at 10-15 days interval • Mulching of the tree basins should be done • Take control measures against Tea mosquito bug and thrips in cashew • Neem based insecticides can be applied
COCONUT	<ul style="list-style-type: none"> • Irrigation can be given to coconut palms in sandy soils at 4 days interval in basin method or daily through drip irrigation • To control mites, spraying of 2% neem-garlic emulsion or azadirachtin 10000 ppm @0.004% is recommended • To control white flies, application of 1% starch solution on leaflets to flake out the sooty moulds • In severe case, spray neem oil 0.5% and no insecticide is recommended • Installation of yellow sticky traps on the palm trunk to trap adult whiteflies
ARECANUT	<ul style="list-style-type: none"> • Irrigation can be given to arecanut palms in sandy soils at 4 days interval in basin method or daily through drip irrigation • Keep the orchards clean, by weeding and removing debris • Mulching of tree basins should be done to conserve soil moisture • Protect the palms from sun-scorch

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	<ul style="list-style-type: none"> • Due to forecast for increase in temperature, protect animals and from heat by covering roof of the shed with paddy straw, coconut leaves • Sprinkle the water on the roof of shed during afternoon time • Provide clean, hygienic and plenty amount of drinking water to animals

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
BIRD	<ul style="list-style-type: none">• As temperature rises beyond 30°C, the feed intake declines at an increasing rate. Hence provide feed at cooler parts of day i.e early morning and late evening. •• Provide adequate ventilation suitably in humid climates as birds can not sweat. •• Cleaning of nets in sidewalls and air inlets for proper air flow in poultry house. •• Reduce stocking densities or provide more floor space/bird.