



Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin
ICAR Central Coastal Agricultural Research Institute, Ela
North Goa



Agromet Advisory Bulletin

Date : 03-03-2023

Weather Forecast of NORTH-GOA(Goa) Issued On : 2023-03-03(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-03-04	2023-03-05	2023-03-06	2023-03-07	2023-03-08
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	38.0	37.0	36.0	35.0	35.0
Tmin(°C)	22.0	22.0	22.0	23.0	22.0
RH-I(%)	45	49	51	82	75
RH-II(%)	18	19	20	22	24
Wind Speed(kmph)	9.0	9.0	7.0	7.0	8.0
Wind Direction(Degree)	105	68	105	72	90
Cloud cover(octa)	0	0	0	0	0

Weather Summary/Alert:

Weather Inference • South easterly to easterly winds continue to prevail over Goa between 0.5 to 3.0 km above mean sea level Weather Summary/ Alert • Maximum temperature likely to be 4-6°C above normal over North Goa & South Goa during next 2 days • Haze/shallow fog likely in the morning at isolated places on 3rd March 2023. • No large change in maximum temperature for 24 hours, rise by about 1-2°C on day 2. Fall by 2-3°C thereafter • No large change in minimum temperature for 4 days, rise by 1-2°C on day 5 • Maximum & minimum temperatures are likely to be around 38°C & 22°C respectively Extended range forecast Week 1 (March 3rd– March 9th) • Rainfall is very likely to be large deficient • Maximum temperature is likely to be 1-2°C higher than normal • Minimum temperature is likely to be 0-1°C higher than normal Week 2 (March 10th – March 16th) • Rainfall is very likely to be large deficient • Maximum temperature is likely to be 1-2°C higher than normal • Minimum temperature is likely to be 0-1°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, crops may experience moisture stress. Hence provide proper irrigation for the crops

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	<ul style="list-style-type: none"> The maximum temperature likely to be around 38°C over the district during next 2 days Hence 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
GROUNDNUT	<ul style="list-style-type: none"> Increase in temperature may leads to more evapotranspiration losses. This moisture stress may affect the flowering in Groundnut. Hence provide irrigation at 10-15 days interval Earthing up helps for the penetration of pegs in the soil and also facilitates for increased pod development 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"> Increase in temperature may cause more evapotranspiration losses. Hence provide irrigation to cowpea at 7 to 10 days interval 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, mulching of the tree basins should be done with the paddy straw or green/dried leaves Irrigate the orchards at 10-15 days interval 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 increase in maximum temperature, mulching of the tree basins should be done with the paddy straw or green/dried leaves Irrigate the orchards at 10-15 days interval Take control measures against Tea mosquito bug and thrips in cashew Neem based insecticides can be applied
COCONUT	<ul style="list-style-type: none"> Due to increase in maximum temperature, mulching of the tree basins should be done with the paddy straw or green/dried leaves 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"> Due to increase in maximum temperature, mulching of the tree basins should be done with the paddy straw or green/dried leaves 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.