Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin

ICAR Central Coastal Agricultural Research Institute, Ela

North Goa

Agromet Advisory Bulletin

Date : 22-11-2022

Weather Forecast of NORTH-GOA(Goa) Issued On : 2022-11-22(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-11-23	2022-11-24	2022-11-25	2022-11-26	2022-11-27
Rainfall(mm)	0.0	0.0	0.0	0.0	2.0
Tmax(°C)	30.0	31.0	32.0	33.0	33.0
Tmin(°C)	21.0	21.0	20.0	20.0	20.0
RH-I(%)	63	78	79	75	91
RH-II(%)	35	44	48	46	52
Wind Speed(kmph)	5.2	5.6	6.0	7.9	5.2
Wind Direction(Degree)	90	71	68	79	112
Cloud cover(octa)	5	7	7	7	6

Weather Summary/Alert:

Weather Inference • The Depression over Westcentral and adjoining Southwest Bay of Bengal moved westnorthwestwards and weakened into a well-marked Low Pressure Area over Westcentral and adjoining Southwest Bay of Bengal off south Andhra Pradeshnorth Tamil Nadu coasts at 0830 hours IST of today, the 22nd November, 2022. It is likely to move slowly westnorthwestwards and weaken further during next 24 hours. Weather Summary/ Alert • Weather is very likely to be dry on 22nd, 23rd, 24th, 25th & 26th November 2022 • Haze/ Shallow Fog likely at isolated places on 22nd & 23rd November 2022 • No large change in minimum temperature for 3 days • Maximum & minimum temperatures are likely to be around 30°C & 22°C respectively Extended range forecast Week 1 (November 18th – November 24th) • Rainfall is very likely to be deficient • Maximum temperature is likely to be 0-1°C lower than normal • Minimum temperature is likely to be 0-1°C lower than normal Week 2 (November 25th – December 1st) • Rainfall is very likely to be excess • Maximum temperature is likely to be 0-1°C lower than normal • Minimum temperature is likely to be 0-1°C lower than normal

General Advisory:

• Land preparations for rabi crops can be done • Sowing of rabi vegetables can be done wherever paddy harvesting is completed and soil moisture is favorable

SMS Advisory:

• Possibility of powdery mildew in mango. Hence spraying of wettable sulphur (2 ml per litre of water)or carbendazim (1 ml per litre of water) is recommended

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory

Crop(Varieties)	Crop Specific Advisory
RICE	• Land preparation for nursery sowing of Rabi paddy can be done • Apply well-decomposed FYM, Green manures like Glyricidia, Dhaincha etc. grown on bunds/fences can be incorporated as per availability • Proper levelling and bunding should be ensured for better water and soil conservation
GROUNDNUT	• Land preparation for the sowing of Groundnut can be done • Sowing can be done from November last week to January first week • During ploughing apply FYM /compost @ 25 t/ha • Apply 15-20kg/ha – Urea, 250-300 kg/ha - SSP, 40-50kg/ha - MOP, at the time of sowing preferably in the planting lines • Once in a three cropping season apply 500kg/ha Gypsum as basal dose

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
COWPEA/ LOBIA	• Land preparation for the sowing of cowpea can be done • Sowing can be done from November last week to January first week • Apply FYM @ 5- 10 t/ha as basal with the last ploughing • Apply 108.7kg/ha – DAP, 11.81kg/ha – Urea, 50kg/ha - MOP, 23.81kg/ha - Zinc sulphate heptahydrate, 19.05kg/ha – Borax, at the time of sowing preferably in the planting lines • Alsando–1, Nadora Bardez-4, and ICAR-CCARI released high yielding and bold cowpea variety (Goa cowpea-3) can be used for sowing • Seed treatment with Trichoderma viride @10g/kg or Pseudomonas fluorescens @ 10g/kg of seed or Carbendazim or Thiram 2g/kg is suggested before sowing
CHILLI	• Sowing of cucurbits and leaf vegetables can be done • Nursery preparation can be done for the chilli crop • Seed treatment with Trichoderma viride @10g/kg or Pseudomonas fluorescence @ 10g/kg of seed should be done to avoid seed rot and damping off of seedlings
MANGO	• Keep the orchards clean, by weeding and removing debris • Provide irrigation to nursery plants • Spraying of wettable sulphur (2 ml per litre of water)or carbendazim (1 ml per litre of water) is recommended for powdery mildew • Spraying of Imidacloprid (0.3 ml per liter of water) will help to manage the mango hoppers • Possibility of incidence of leaf webbers in mango orchards during this season • Hence pruning of overcrowded and overlapping branches, mechanical removal of infested leaf webs and destroying them by burning will help in managing this pest • In severe cases spray of lambda-cyhalothrin @ 1 ml/ L is recommended
CASHEW	• Farmers are advised to take control measures against Tea mosquito bug by applying neem-based insecticides • Keep the orchards clean, by weeding and removing debris • Provide irrigation to nursery plants
COCONUT	• Provide irrigation to nursery plants • Possibility of incidence of rugose spiraling whitefly • In juvenile palms, spraying water with jet speed could dislodge the whitefly and reduce the feeding as well as the 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 • The topmost leaf axils may be filled with powdered neem cake/Marotti cake (Hydrocarpus sp/ Pongamia) @ 250 g + fine sand (250g) per palm as a prophylactic measure
ARECANUT	• Mulching of palm basins can be undertaken • Provide irrigation to nursery plants • Palms exposed to south western sun may require protection against sun- scorch and consequent stem breaking. In such cases green portions of the stem may be covered with areca leaf sheaths or opaque polythene film

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	• Periodical application of acaricides in and around cattle shed is necessary for effective control of ticks • Farmers should approach veterinary hospitals in case of animals showing fever and coffee-colored urine • High risk of Foot and Mouth Disease (FMD) occurrence in dairy animals • Regular vaccination and disinfection with sodium carbonate (4%) or 10% washing soda should be followed

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
BIRD	• In cold and hilly areas, provide side curtains without restricting proper ventilation (from sunset to sunrise in the next day) as birds naturally produce lot of moisture in breath and droppings. • Balanced feed as per the feeding standard and ad lib fresh water should be given