Weather Based Agromet Advisory Bulletin
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(Applicable for North Goa district)
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Year 3, No: - 235_2021/Fri **Time: 3.30 PM** **Date: 09 November 2021**

Last week weather summary (04.11.2021 to 08.11.2021)					Weather parameters	Weather forecast (10.11.2021 to 14.11.2021)				
04	05	06	07	08	Date	10	11	12	13	14
0.6	0.8	34.0	0.0	0.0	Rainfall (mm)	0	0	0	20	20
34.0	33.8	30.8	32.0	32.6	Max. Temp. (°C)	34	34	35	33	33
22.4	24.2	22.4	24.4	24.2	Min. Temp. (°C)	21	22	23	23	24
					Cloud cover (Octa)	5	7	7	8	7
95	93	95	92	95	Max. RH (%)	69	68	76	78	84
65	73	73	57	61	Min. RH (%)	41	43	44	50	56
4.5	2.9	4.0	3.8	4.2	Wind Speed(km/h)	8	6	5	4	6
					Wind direction (°)	East-Northeast	East-Northeast	East-Northeast	East-Northeast	East-Northeast

Old Goa station rainfall (mm) in the last week	Rainfall (mm) from 01/01/2021 to till dated
35.4 mm	3831.4 mm

Weather Summary/ Alert	• Weather is very likely to be dry on 09th & 10th Nov 2021 • Light to moderate rain/thundershowers very likely at isolated places on 11th & 12th Nov 2021 • Light to moderate rain/thundershowers very likely at a few places on 13th Nov 2021 • The gradual rise in minimum temperatures by 1-2°C after 24 hrs • Maximum & minimum temperatures are likely to be around 33°C & 24°C respectively
Extended range forecast	Week 1 (05th Nov to 11th Nov) • Rainfall amount is very likely to be large excess over the district • Maximum and Minimum temperatures are likely to be normal
	Week 2 (12th Nov to 18th Nov) • Rainfall amount is very likely to be large excess over the district • Maximum and Minimum temperatures are likely to be normal
General advisory	• Thunderstorm accompanied with lightning very likely at isolated places on 12th & 13th Nov 2021. Hence farmers are advised to take precautions and to use Damini app for lightning alerts in advance
SMS	• Farmers are suggested to carry out land preparation for the sowing of rabi crops • Take up control measures against pests and diseases in the plantation crops

Crop	Stage/Pest/ Disease	Advisory
Rabi paddy	Land preparation	• 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
Cowpea/ Alsando	Land preparation	• Land preparation for the sowing of cowpea can be done • Sowing of cowpea can be started from 15th November to 15th December • 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
Mango	Mulching Hoppers Leaf webbers	• Due to the forecast of light to moderate rainfall on 11th, 12th & 13th Nov 2021, farmers are advised to take up the control measures only during morning hours and clear weather • Keep the orchards clean, by weeding and removing debris • Spraying of Imidacloprid (0.3 ml per litre 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	Tea mosquito bug	• Due to the forecast of light to moderate rainfall on 11th, 12th & 13th Nov, 2021, farmers are advised to take up the control measures only during morning hours and clear weather • Keep the orchards clean, by weeding and removing debris • Mulching with dry leaves or paddy straw to be done to control evapotranspiration losses and weed growth • Farmers are advised to look upon the cashew orchards for the Tea mosquito bug incidence and apply neem-based insecticides
Arecanut	Fruit rot (Koleroga) Arecanut root grubs	• Due to the forecast of light to moderate rainfall on 11th, 12th & 13th Nov, 2021, farmers are advised to take up the control measures only during morning hours and clear weather • Mulching of palm basins can be undertaken • Fallen dried leaves available in the garden can be used for mulching • For controlling the Fruit rot (Koleroga) in Arecanut application of Bordeaux mixture 1% can be done • Digging and forking of soil around the basin of Arecanut palm to a depth of 10-15cm is recommended for control of Arecanut root grubs attack
Coconut		• Due to the forecast of light to moderate rainfall on 11th, 12th & 13th

	Bud rot Coconut mite Rhinoceros beetle	Nov, 2021, farmers are advised to take up the control measures only during morning hours and clear weather • Mulching of palm basins can be undertaken • Fallen dried leaves available in the garden can be used for mulching • Removal and destruction of dried spathes, inflorescence parts and fallen nuts • Take up the control measure for bud rot (Spray 1% Bordeaux mixture) • Farmers are suggested to look upon the incidence of Coconut mite and application of Neem cake - 5kg/palm can be done • The topmost leaf axils may be filled with powdered neem cake @ 250 g + fine sand (250g) per palm to control the rhinoceros beetles
Livestock	Babesiosis FMD	• There is a forewarning of very high risk of Babesiosis, for North Goa in November 2021 • 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-coloured 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		• As temperature rises beyond 30°C, the feed intake declines at an increasing rate. Hence provide feed at cooler parts of the day i.e early morning and late evening • Reduce stocking densities or provide more floor space/bird

Source of Weather Forecast :- Regional Meteorological Centre (RMC), Mumbai
Meteorological Centre (MC), Goa

Members of Agro Advisory Committee of ICAR CCARI, Goa

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