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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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CURRENT SYNOPTIC SITUATION:

Southwest Monsoon has further advanced into some parts of Karnataka, Tamilnadu and parts of northeast India. The Very Severe Cyclonic Storm 'VAYU' (pronounced as VAA'YU) over northeast and adjoining eastcentral Arabian Sea moved westwards and lay centred at 0830 hours IST of today, the 14th June, 2019 near Lat. 21.0°N and Long. 68.3°E over northeast & adjoining eastcentral Arabian Sea, about 150 km west-southwest of Porbandar (Gujarat), 210 km west of Veraval (Gujarat) and 270 km west-northwest of Diu. The system is moving nearly west-northwestwards skirting the Saurashtra coast affecting Porbandar & Devbhoomi Dwarka with wind speed 50-60 kmph gusting to 70 kmph and Gir Somnath and Junagarh with wind speed 30-40 kmph gusting to 50 kmph. The wind speed over these districts is very likely to decrease gradually, as the system is moving away from the coast.

The offshore trough at mean sea level from Karnataka coast to Kerala coast now runs from Goa coast to north Kerala coast.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	15.06.219	16.06.219	17.06.2019	18.06.2019	19.06.2019
Rainfall (mm)	20	10	15	15	27
Maximum temperature (°C)	30	30	30	30	30
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	96	96	96	96	96
Minimum Relative Humidity (%)	86	86	86	86	86
Wind speed (kmph)	12	14	14	16	14
Wind direction (deg)	250	320	320	320	290
Total cloud cover (octa)	8	6	7	7	8

Moderate rainfall is forecasted in the district by IMD & KAU.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
Paddy	Land preparation to transplanting	Transplant seedlings at 4-5 leaf stage. Soak seed for 30 minutes in a solution of <i>Pseudomonas</i> culture @10g/litre per kg of seeds. The above seed treatment can also be used to control sheath blight, sheath rot, leaf spot disease etc.
Coconut	Bud rot	There is a chance of bud rot in rainy season. Keep three numbers each of perforated Mancozeb sachets (5 gm) around spindle leaves as a prophylactic measure against bud rot.
Pepper	Foot rot	There is a chance of foot rot disease due to high relative humidity. Add 2 kg Trichoderma to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to each matured vine to control foot rot of pepper.
Vegetables	Downy mildew	There is a chance of downy mildew attack in vegetables due to the onset of south west monsoon. Application of 2g m,curzate M-8 or Trichoderma 20g/litre under the leaves in 15 days interval is effective.
Animal Husbandry	Add disinfectant in the drinking water. (CAADECCS, KVASU, Mannuthy)	