



**Kerala Agricultural University, Vellanikkara, Thrissur**  
**Department of Agricultural Meteorology, College of Horticulture**

Email: cohagmet@kau.in & kauagmet@yahoo.co.in

**Block Level Experimental Agromet Advisory Bulletin**

(Issued jointly by AMFU Thrissur, India Meteorological Department and Department of Agriculture)



**CHALAKUDY BLOCK, THRISSUR DISTRICT**

AAS 46/2018(91), Friday

16.11.2018

**SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:**

The total rainfall received 0.0 mm. the maximum temperature ranges from 33.8°C to 34.3°C, minimum temperature ranges from 21.8°C to 23.4°C. Morning relative humidity ranges from 80% to 95% and afternoon relative humidity ranges from 41% to 61%. Wind speed ranges from 1.3 to 3.1 km/h. Bright sunshine hours range from 4.3 to 9.9 hours. Evaporation ranges from 2.1 to 3.8 mm.

**CURRENT SYNOPTIC SITUATION:** The cyclonic storm 'Gaja' over coastal Tamil Nadu moved nearly westwards and lay centered at 0830 hrs. IST of today the 16<sup>th</sup> November 2018 over interior Tamil Nadu near Lat 10.4° N / long 78.5° E about 95 km west of Atrimapattinam and 110 km east Northeast of Kodaikkanal .It is very likely to move nearly westwards and weaken into a deep depression during next 3 hrs. The remnant of the above system after landfall is likely to emerge as a low pressure area over south east Arabian sea by tomorrow . It is likely to become more marked and move westwards during subsequent 24hrs. A cyclonic circulation lies over Malay Peninsula and adjoining Equatorial Indian ocean and extends upto 2.1 km above mean sea level. Under its influence a low pressure area is likely to form over central parts of south Bay of Bengal by the evening of 18<sup>th</sup> November.

**HEAVY RAINFALL WARNING:**

**DAY 1:** Heavy to very heavy rainfall is very likely to occur at one or two places in Kerala.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

Weather parameters	17.11.2018	18.11.2018	19.11.2018	20.11.2018	21.11.2018
Rainfall (mm)	17	7	8	24	6
Maximum temperature (°C)	30.1	30.1	30.1	30.1	30.1
Minimum temperature (°C)	25.1	25.1	25.1	25.1	25.1
Total cloud cover (octa)	8	5	6	7	5
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	10	10	6	6	6
Wind direction (deg)	230	160	130	180	130

As per IMD forecast, light rainfall is expected for coming days in the block.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Crop stage	Pest/ Disease	Advisories
Paddy	Seedling stage	Rice armyworm	There is a chance of rice armyworm in the paddy field. To control, <ul style="list-style-type: none"> <li>• Complete flooding of field for 24 hours wherever possible.</li> <li>• Spraying of chlorantraniliprole @ 3 ml per 10 litre of water in the field, bunds and weeds.</li> <li>• In the fields where transplanting is not yet undertaken, application of chlorantraniliprole granules @ 4 kg per one acre along with basal dose of fertilizers.</li> <li>• Keep the field bunds and surroundings weed free.</li> </ul>
Banana	-	<i>Spodoptera</i>	Destroy the affected leaves along with the <i>Spodoptera</i> . If <i>Spodoptera</i> attack is severe, spray quinalphos 2ml per one litre of water or chlorantraniliprole 3 ml per 10 litre of water.
Pepper	-	Yellowing	Yellowing was observed in pepper due to flood situation followed by physiological drought. Soil drenching with 2g kocide per one litre of water, followed by a foliar spray and soil drenching with 20 g of pseudomonas per litre of water, after two weeks i/s recommended.
Animal Husbandry	Mix 30g sodium bicarbonate and 1-teaspoon yeast in the feed daily to avoid digestive disorders associated with excessive acidity. (CAADECCS, KVASU, Mannuthy)		