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Block Level Experimental Agromet Advisory Bulletin

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CHALAKUDY BLOCK, THRISSUR DISTRICT

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21.12.2018

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 0.0 mm. the maximum temperature ranges from 31.3°C to 34.0°C, minimum temperature ranges from 19.9°C to 23.0°C. Morning relative humidity ranges from 70% to 96% and afternoon relative humidity ranges from 34% to 52%. Wind speed ranges from 1.2 to 4.8 km/h. Bright sunshine hours range from 0.6 to 8.3 hours. Evaporation ranges from 2.3 to 3.8 mm.

CURRENT SYNOPTIC SITUATION The trough of low pressure at mean sea level over central parts of south Bay of Bengal now lies over southwest Bay of Bengal and adjoining equatorial Indian Ocean and extends upto 2.1km above mean sea level. The cyclonic circulation over southeast Arabian Sea and adjoining Lakshadweep area has become less marked.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

| Weather parameters | 22.12.2018 | 23.12.2018 | 24.12.2018 | 25.12.2018 | 26.12.2018 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 1 | 0 |
| Maximum temperature (°C) | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| Minimum temperature (°C) | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 |
| Total cloud cover (octa) | 4 | 4 | 4 | 5 | 4 |
| Maximum Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |
| Minimum Relative Humidity (%) | 55 | 55 | 55 | 55 | 55 |
| Wind speed (kmph) | 6 | 6 | 8 | 10 | 12 |
| Wind direction (deg) | 230 | 270 | 270 | 250 | 290 |

As per IMD forecast, moderate rainfall is expected for coming week in the district.

AGRO-METEOROLOGICAL ADVISORIES:

| Crop | Crop stage | Pest/ Disease | Advisories |
|---------------------|---|-------------------|--|
| Paddy | Tillering stage | Leaf folder | As a prophylactic measure, apply 2CC <i>Trichogramma chilonis</i> card per acre to control leaf folder. Cut the cards in to small pieces and fix in different parts of the field in plastic cups. |
| Vegetables (cowpea) | Fruiting stage | Fusarium wilt | To prevent Fusarium wilt in cowpea, mix 20 g of cow dung in one litre of water and soil should be drenched with the supernatant liquid by mixing with 20 g of pseudomonas. |
| Banana | - | <i>Spodoptera</i> | Destroy the affected leafs 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 ten litre of water. |
| Animal Husbandry | Provide plenty of clean drinking water in the cattle sheds and grazing lands. (CAADECCS, KVASU, Mannuthy) | | |