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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 34/2021, (67) Tuesday

17.08.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 70.9 mm. The maximum temperature ranges from 29.8°C to 31.1°C, minimum temperature ranges from 22.8°C to 24.0°C. Morning relative humidity ranges from 95% to 98% and afternoon relative humidity ranges from 68% to 79%. Wind speed ranges from 1.0 to 2.3 km/h. Bright sunshine hours range from 0.1 to 7.3 hours. Evaporation ranges from 1.9 to 2.7 mm.

CURRENT SYNOPTIC SITUATION: The Low Pressure Area over Northwest & adjoining West central Bay of Bengal off south Odisha- north Andhra Pradesh coasts lies over coastal Odisha and adjoining Northwest Bay of Bengal. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height..

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

| Weather parameters | 18.08.2021 | 19.08.2021 | 20.08.2021 | 21.08.2021 | 22.08.2021 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 6 | 8 | 2 | 3 | 7 |
| Maximum temperature(°C) | 30 | 29 | 30 | 30 | 30 |
| Minimum temperature (°C) | 24 | 23 | 24 | 24 | 24 |
| Maximum Relative Humidity (%) | 98 | 98 | 98 | 98 | 98 |
| Minimum Relative Humidity (%) | 78 | 78 | 78 | 78 | 78 |
| Wind speed (kmph) | 4 | 3 | 3 | 2 | 2 |
| Wind direction (deg) | 270 | 250 | 270 | 230 | 270 |
| Total cloud cover (octa) | 8 | 8 | 8 | 7 | 7 |

As per the forecast of IMD & KAU, there is a chance of light rainfall in the district. Above normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

| Crop | Pest/ Disease | Advisories |
|--|--|---|
| General Advisories: Pesticides can be applied only during dry period. | | |
| Paddy (virippu) Panicle Emergence | Bacterial Leaf blight | To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one litre of water and spray the supernatant liquid by mixing with 20g of pseudomonas in one litre of water. |
| | Rice bug | There is a chance of appearance of rice bug in paddy. To control, spray 2 ml malathion per one litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination. |
| Pepper | Foot rot | As a prophylactic measure to manage foot rot during rainy season, add 2 kg Trichoderma to a mixture of 90 kg FYM & 10 kg neem cake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to the base of each matured pepper vine to control foot rot disease. |
| Ginger | Shoot borer | There is a chance of shoot borer in ginger. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer. |
| Turmeric | Leaf Blotch | During rainy season there is a chance of Leaf blotch in Turmeric. To control, spray 2 ml. Contaf (Hexaconazole) in one litre of water. |
| Vegetables (Cowpea) | Spodoptera | There is a chance of Spodoptera attack in cowpea. To control, spray chlorantraniliprole (coragen) 3 ml per ten litre of water. |
| Animal Husbandry | Sundry the cattle feed frequently to avoid fungal growth. Give foot and mouth disease (FMD) vaccination to the animal (caadeccs, kvasu, Mannuthy). | |