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Agromet Advisory Service Bulletin

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



THRISSUR DISTRICT

AAS 37/2021, (73) Tuesday

07.09.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 89 mm. The maximum temperature ranges from 27.7 °C to 31.5 °C, minimum temperature ranges from 23.3 °C to 24.2 °C. Morning relative humidity ranges from 97% to 99% and afternoon relative humidity ranges from 69% to 98%. Wind speed ranges from 0.5 to 1.8 km/h. Bright sunshine hours range from 0.0 to 6.2 hours. Evaporation ranges from 1.4 to 2.7 mm.

CURRENT SYNOPTIC SITUATION: A Well Marked Low Pressure Area lies over south Chhattisgarh & adjoining south Odisha. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height. A shear zone run roughly along Latitude 18°N between 3.1 km & 7.6 km above mean sea level, tilting southwards with height across the cyclonic circulation associated with Well Marked Low Pressure Area over south Chhattisgarh & adjoining south Odisha.

HEAVY RAINFALL WARNING: Day 1: Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Ernakulam, Idukki, Thrissur, Malappuram, Kozhikode, Kannur & Kasaragod.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

| Weather parameters | 08.09.2021 | 09.09.2021 | 10.09.2021 | 11.09.2021 | 12.09.2021 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 20 | 10 | 10 | 10 | 10 |
| Maximum temperature(°C) | 27 | 28 | 28 | 28 | 28 |
| Minimum temperature (°C) | 23 | 24 | 24 | 24 | 24 |
| Maximum Relative Humidity (%) | 98 | 98 | 98 | 98 | 98 |
| Minimum Relative Humidity (%) | 74 | 74 | 74 | 74 | 74 |
| Wind speed (kmph) | 6 | 7 | 6 | 7 | 6 |
| Wind direction (deg) | 250 | 270 | 270 | 290 | 290 |
| Total cloud cover (octa) | 8 | 8 | 8 | 7 | 8 |

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) Milky stage | 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. |
| Rice (Mundakan) | Land preparation | Land preparations for mundakan paddy can be started in kole paddy field, apply lime during nursery preparation. Seed treatment with pseudomonas can be done before sowing. (10 gram of pseudomonas for one kg of paddy seeds.) |
| 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 and 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. |
| | Slow wilt | As a control measure the slow wilt diseases in pepper, drench the basin with three gram Copper Oxy Chloride (COC) per one litre of water. |
| Nutmeg | Leaf fall | As a prophylactic measure, spray 1% bordeaux mixture to manage leaf fall during rainy season. |
| Arecanut | Mahali | Keep the field clean. Destroy completely affected trees. As a prophylactic measure, spray 1% Bordeaux mixture or two gram Copper oxychloride with stickers at 40-45 days interval. |
| Ginger & Turmeric | Shoot borer | There is a chance of shoot borer in ginger and turmeric. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer. |
| Cucurbitaceous Vegetables | Downy mildew | Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves. |
| Vegetables (chilly) | Anthraco disease | During rainy season, there is a chance of Anthracose disease in chilly. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per liter. |
| Animal Husbandry | Avoid water logging in the cattle shed premises to prevent mosquito breeding. If required apply mosquito or fly repellent on the animal body and in the cattle shed. (caadeccs, kvasu, Mannuthy). | |