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Block Level Experimental Agromet Advisory Bulletin

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



CHALAKUDY BLOCK, THRISSUR DISTRICT

AAS 34/2019(68), Friday

22.08.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 25.1 mm. The maximum temperature ranges from 29.9°C to 31.5°C, minimum temperature ranges from 22.2°C to 23.2°C. Morning relative humidity ranges from 95 % to 98% and afternoon relative humidity ranges from 72% to 78%. Wind speed ranges from 0.6 to 1.7 km/h. Bright sunshine hours range from 0.6 to 5.4 hours. Evaporation ranges from 1.3 to 2.9 mm.

CURRENT SYNOPTIC SITUATION: A Low Pressure Area lies over north-east Madhya Pradesh & adjoining south Uttar Pradesh with associated cyclonic circulation extending upto 3.1 km above mean sea level tilting southwestwards with height. The cyclonic circulation lies over Westcentral & adjoining Northwest Bay of Bengal off Odisha coast extending between 1.5 & 4.5 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

| Weather parameters | 23.08.2019 | 24.08.2019 | 25.08.2019 | 26.08.2019 | 27.08.2019 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 30 | 25 | 30 | 20 | 18 |
| Maximum temperature(°C) | 30 | 30 | 30 | 30 | 30 |
| Minimum temperature (°C) | 22 | 22 | 22 | 22 | 22 |
| Maximum Relative Humidity (%) | 99 | 99 | 99 | 99 | 99 |
| Minimum Relative Humidity (%) | 88 | 88 | 88 | 88 | 88 |
| Wind speed (kmph) | 8 | 8 | 8 | 8 | 8 |
| Wind direction (deg) | 250 | 270 | 270 | 250 | 250 |
| Total cloud cover (octa) | 8 | 8 | 8 | 7 | 6 |

According to the forecast of IMD & KAU, as per the current situation, moderate rainfall is expected in coming days in the district.

AGRO-METEOROLOGICAL ADVISORIES:

| Crop | Pest/ Disease | Advisories |
|--|-----------------------|---|
| General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during this rainy season. | | |
| Rice(<i>Virippu</i>) Panicle stage | Bacterial Leaf blight | To control the spread of Bacterial Leaf blight in paddy, during rainy season, mix 20 g of cow dung in one litre of water and spray the cow dung slurry by mixing with 20g of pseudomonas in one litre of water. |
| Banana -Bunch emergence stage | Erwinia Rot | Proper drainage should be ensured. As a precaution, apply lime in the banana basin or bleaching powder in the irrigation channels. To improve the disease resistance, drench the basin with Pseudomonas @ 20g per litre of water. Affected plants can be protected by drenching the basin with 5 g bleaching powder or 3 g copper oxychloride or 2g copper hydroxide per one litre of water. Severely affected plants should be cut and removed to prevent the spread of disease. |
| Nutmeg | Fruit rot & leaf fall | During rainy season, there is a chance of Fruit rot and leaf fall in Nutmeg. As a prophylactic measure, apply <i>Trichoderma</i> mixture. Add 2 kg <i>Trichoderma</i> to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Basal application of 2.5 kg of this mixture will be followed by foliar spray with pseudomonas (20g/litre) or 1% Bordeaux mixture. |
| Cucurbiatacious Vegetables | Downy mildew disease | There is a chance of downy mildew attack in vegetables due to rainy season. Application of 2gm, curzate M-8 or <i>Trichoderma</i> 20g/litre under the leaves in 15 days interval is effective to control downy mildew disease. |
| Animal Husbandry | | Care should be taken to avoid mould growth in the feed (CAADECCS, KVASU Mannuthy) |