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Agromet Advisory Service Bulletin

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PALAKKAD DISTRICT

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17.04.2020

CURRENT SYNOPTIC SITUATION: A trough in easterlies at 1.5 km above mean sea level runs from Equatorial Indian Ocean to southeast Arabian Sea off south Kerala coast. A trough/wind discontinuity runs from southeast Madhya Pradesh to south coastal Tamilnadu across Vidarbha, Telangana & South Interior Karnataka extending upto 0.9 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

| Weather parameters | 18.04.2020 | 19.04.2020 | 20.04.2020 | 21.04.2020 | 22.04.2020 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 3 | 0 | 0 | 0 | 2 |
| Maximum temperature(°C) | 38 | 38 | 38 | 38 | 38 |
| Minimum temperature (°C) | 27 | 27 | 27 | 27 | 27 |
| Maximum Relative Humidity (%) | 80 | 80 | 80 | 80 | 80 |
| Minimum Relative Humidity (%) | 37 | 37 | 37 | 37 | 37 |
| Wind speed (kmph) | 8 | 10 | 8 | 6 | 10 |
| Wind direction (deg) | 250 | 250 | 230 | 50 | 270 |
| Total cloud cover (octa) | 8 | 7 | 6 | 5 | 7 |

As per the forecast of IMD & KAU, there is a chance of light rainfall in isolated places of the district. Harvesting is recommended in matured paddy crop. Dried hay, copra, arecanut, etc should be protected from summer rain. Mulching can be practiced to conserve soil moisture.

AGRO-METEOROLOGICAL ADVISORIES:

| Crop | Pest/ Disease | Advisories |
|--|--------------------|---|
| General Advisories: As a precaution, use bio-pesticides to control the crop pests and diseases. | | |
| Coconut | Management | Since air temperature is increasing, it is a desirable practice to bury fresh or dried coconut husk around the palm to conserve soil moisture. The husk can be buried either in linear trenches taken 3 meter away from the trunk between rows of palms or in circular trenches taken around the palm at a distance of 2 meter from the trunk. The trenches may be of 0.5 meter width and depth. The husks are to be placed in layers with concave surface facing upwards and covered with soil. The beneficial effect of husk burial will last for about 5 to 7 years. Instead of husk, coir pith can be buried @ 25 kg/palm/year. |
| Banana | Pseudo stem weevil | There is a chance of pseudo stem weevil attack in banana. As a precaution, apply 50 g neem cake powder in leaf axils. |
| | Panama wilt | There is a chance of panama wilt in banana varieties like poovan, kadali etc. Drench the soil with 1 g of carbendazim in one litre of water. |
| Vegetables | Mosaic virus | There is a chance of mosaic virus attack in vegetables. As a precaution, spray 2% neem oil garlic emulsion once a week. |