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**Agromet Advisory Service Bulletin**

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**PALAKKAD DISTRICT**

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**CURRENT SYNOPTIC SITUATION:** Northeast monsoon rains have ceased over Tamil Nadu, Puducherry & Karaikkal, Kerala & Mahe & adjoining areas of coastal Andhra Pradesh & Yanam, Rayalaseema and south Interior Karnataka from today the 10<sup>th</sup> Jan 2020. Relatively dry air prevails over Kerala.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

| Weather parameters            | 11.01.2020 | 12.01.2020 | 13.01.2020 | 14.01.2020 | 15.01.2020 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                 | 0          | 0          | 0          | 0          | 0          |
| Maximum temperature(°C )      | 32         | 32         | 32         | 32         | 32         |
| Minimum temperature (°C )     | 25         | 25         | 25         | 25         | 25         |
| Maximum Relative Humidity (%) | 83         | 83         | 83         | 83         | 83         |
| Minimum Relative Humidity (%) | 59         | 59         | 59         | 59         | 59         |
| Wind speed (kmph)             | 14         | 18         | 12         | 10         | 8          |
| Wind direction (deg)          | 70         | 70         | 70         | 90         | 90         |
| Total cloud cover (octa)      | 3          | 1          | 2          | 2          | 2          |

**As per the forecast of IMD & KAU, due to no rainfall and prevailing dry weather conditions, irrigation of crops to be continued in the district.**

**AGRO-METEOROLOGICAL ADVISORIES:**

| Crop   | Pest/ Disease         | Advisories  |
|--|-----------------------|---|
| <b>General Advisories:</b> As a precaution, use bio-pesticides to control the crop pests and diseases. |                       |   |
| Rice (Mundakan)<br>Panicle Emergence   | Stem borer            | As a prophylactic measure, apply 2CC Trichogramma japonicum card per acre to control stem borer in paddy. Cut the cards in to small pieces and fix in different parts of the field. If the attack is severe, spray 3ml chlorantraniliprole per 10 litre of water.   |
|  | Bacterial Leaf blight | To control the spread of bacterial leaf blight in paddy, spray 6 g of streptomycin in 30 litre of water.  |
| Vegetables (cowpea)  | Fusarium wilt         | There is a chance of fusarium wilt in cowpea. Drench the soil rhizosphere with 2 g of bavistin or 2 ml of contaf per one litre of water alternatively within 15 days interval to control the disease. Severely affected plants should be removed and destroyed from the field and apply a pinch of bleaching powder in the pit. |
| Chilli   | White fly             | There is a chance of white fly attack in chilli. Apply 2% neem oil garlic emulsion or spray 20g <i>Lecanicillium lecanii</i> per one litre of water in ten days intervals.  |
| Animal Husbandry   |                       | Vaccinate animals against foot and mouth disease and hemorrhagic septicemia. (CAADECCS, KVASU, Mannuthy)  |