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**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

**AAS 09/2021, (17)Tuesday**

**23.02.2021**

**CURRENT SYNOPTIC SITUATION:** A trough in low level easterlies runs roughly along Kerala –Karnataka coast at 0.9 km above mean sea level. A cyclonic circulation lies over east central & adjoining South east Arabian sea off Kerala –Karnataka coast between 3.1 & 5.8 km above mean sea level.

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

| Weather parameters            | 24.02.2021 | 25.02.2021 | 26.02.2021 | 27.02.2021 | 28.02.2021 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                 | 0          | 0          | 0          | 0          | 0          |
| Maximum temperature(°C )      | 33         | 33         | 33         | 33         | 33         |
| Minimum temperature (°C )     | 25         | 25         | 25         | 25         | 25         |
| Maximum Relative Humidity (%) | 70         | 70         | 70         | 70         | 70         |
| Minimum Relative Humidity (%) | 50         | 50         | 50         | 50         | 50         |
| Wind speed (kmph)             | 12         | 10         | 14         | 16         | 16         |
| Wind direction (deg)          | 270        | 270        | 270        | 290        | 270        |
| Total cloud cover (octa)      | 4          | 4          | 3          | 6          | 5          |

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. Above normal rainfall is expected in Kerala.

**AGRO-METEOROLOGICAL ADVISORIES:**

| Crop  | Pest/ Disease   | Advisories  |
|---|---|---|
| <b>General Advisories:</b> Since no rainfall is forecasted, Drying of agricultural products and spraying of pesticides can be done. |   |   |
| Rice<br>(Mundakan)<br>Harvesting<br>stage   | Brown Plant Hopper (BPH)  | There is a chance of brown plant hopper attack in rice. Spray 2 g Thiamethoxam per ten litre of water.  |
|   | Rice bug  | There is a chance of rice bug attack in paddy. To control, keep the field and bunds free of weeds and grasses. Avoid over lapping cultivation in an area. Spray fish jaggery extract (20 ml/litre of water) or spray chitin based <i>Pseudomonas flurescens</i> 20 gram in one litre of water. If the attack was severe, spray Azadirachtin 10 ml or Malathion 2 ml per 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. Spraying should be in spiral manner, beginning at the field bunds and progressing towards the field centre. |
|   | Lakshmi disease   | There is a chance lakshmi disease attack in paddy, destruction of straw and stubble from infected plant is recommended. If the attack is severe spray 1.5 gram Copper hydroxide (Kocide) in one liter of water at 50% flowering stage.  |
| Vegetables  | micronutrient deficiency  | The micronutrient deficiency of vegetables can be managed by spraying 5 gram of vegetable sampoorana in one litter of water.  |
| Cucumber  | Pumpkin Beetle  | Sowing of cucumber can be done. Apply neem cake at the base for preventing pumpkin beetle.  |
| Animal Husbandry  | 1.Take precautions to avoid ecto parasitic infestation<br>2.Fever, shivering, brown coloured urine, off feed are noticed, consult veterinary doctor immediately |   |