



**Pandit Jawaharlal Nehru College of Agriculture and
Research Institute, Karaikal - 609 603**

Agromet Advisory Bulletin (AAB) for KARAİKAL District

Issued jointly by IMD & PAJANCOA & RI

Forecast Period: 27th to 31st December 2023

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Weather Summary for Karaikal district

| Past week Summary (21.12.2023 to 25.12.2023) | | | | | Weather Parameters | Ensemble weather forecast valid until 08.30 hrs of 31.12.2023 | | | | |
|---|-------|-------|-------|-------|---------------------------|--|----------------|----------------|----------------|----------------|
| 21/12 | 22/12 | 23/12 | 24/12 | 25/12 | | Day-1 27/12 | Day-2 28/12 | Day-3 29/12 | Day-4 30/12 | Day-5 31/12 |
| 53.2 | 3 | 0 | 0 | 3 | Rainfall (mm) | 1 | 10 | 12 | 12 | 7 |
| 28 | 29 | 29 | 29 | 31 | Max. Temp. (°C) | 27 | 26 | 26 | 25 | 25 |
| 24 | 22 | 22 | 22 | 23 | Mini. Temp. (°C) | 23 | 22 | 21 | 21 | 20 |
| 8 | 5 | 5 | 4 | 6 | Cloud cover (Octa) | 5 | 6 | 8 | 8 | 8 |
| 84-96 | 82-94 | 72-94 | 88-91 | 76-95 | RH Even- Morn. (%) | 80-90 | 80-90 | 80-90 | 80-90 | 80-90 |
| 4 | 4 | 3 | 3 | 4 | Wind (kmph) | 26 | 22 | 22 | 22 | 20 |
| NNE | NNE | NNE | NNE | NNE | Wind direction | NE | NE | NE | NE | NE |

Forecast for next five days: 27.12.2023 to 31.12.2023

➔ Light rain is likely to occur from 27th to 31st December.

- During next five days the sky will be cloudy. The temperature range is expected to be around 20-27°C. Relative humidity range is expected to be around 80-90%. The wind speed is expected to be 20-26 km per hour and the wind will be mostly from north east direction.
- Rainfall (2.72 mm) will be above normal, maximum temperature (28.87°C) and minimum temperature (20.45°C) will be normal from 31st December to 06th January.

Agro Advisory

| Crop | Stage | Advisory |
|---------|---------------------------------------|---|
| Paddy | Tillering to panicle initiation stage | Foliar spray of 1% urea along with 0.5 % ZnSO ₄ (5 kg urea +2.5 kg ZnSO ₄ in 500 litres of water /ha) may be given. In paddy, top dressing of 50 kg urea and 20 kg potash along with 10 kg of neem cake per hectare may be applied. To manage rice leaf folder release <i>Trichogramma chilonis</i> 5cc (1,00,000/ha) at 37, 44, 51 day after planting. Avoid excess application of nitrogen fertilizers. Setup light trap to attract adult moths. Setup T- shaped bird perches for predatory birds to control these pests. Apply cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l. |
| Animals | Flies management | In these rainy days there is possibility of fly menace in livestock farms. The flies transmit diseases like Surra and Ephemeral fever and heavy infestations may lead to anaemia and cause severe discomfort to the animal, allergic reactions at the biting sites and significant loss in |

| | | |
|---------------|-----------------|---|
| | | <p>productivity. The following methods may be practiced to manage the flies.</p> <p>The disposal of manure and urine at a reasonable distance from the cattle shed on a regular basis has to be done. Smoking the shed with raw leaves (neem leaf preferred) especially during evenings would help reduce the nuisance.</p> <p>Natural repellants like neem oil may be applied regularly to repel biting flies. Application should be always done against the direction of the hair and should cover the entire body, especially underbelly and legs.</p> |
| Goats | Viral enteritis | <p>During rainy days, goats may be affected with viral enteritis. As and when diarrhoea is noticed, immediate treatment should be done at the veterinary dispensary and do not allow the goats to graze outside.</p> |
| Poultry birds | Coccidiosis | <p>Those who rear poultry birds in deep litter system should avoid dampness in litter material to avoid coccidiosis. If dampness is observed replace it with fresh litter material or apply 5 kg of lime powder per 100 sq ft area.</p> |

SMS: Irrigation to crops can be postponed as light rain is expected for next five days.

**DEAN
PAJANCOA & RI**