

**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT**



**GRAMIN KRISHI MAUSAM SEWA
AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003**



Date: 14-05-2024

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

| Parameter | 12.04.2024 | 13.05.2024 | 14.05.2024 |
|----------------------------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 17 |
| Max. Temp. (°C) | 35.2 | 35.4 | 37.2 |
| Min. Temp. (°C) | - | - | - |
| Sky condition (Octas) | 2 | 2 | 4 |
| Relative humidity (%) 0830 hours | 64 | 65 | 71 |
| Relative humidity (%) 1730 hours | 42 | 41 | 73 |
| Wind Speed (km/h) | 2 | 2 | 2 |
| Wind Direction | 230 | 250 | 230 |

Weather forecast for the next five days (From 15-05-2024 to 19-05-2024)

| Parameter | 15.05.2024 | 16.05.2024 | 17.05.2024 | 18.05.2024 | 19.05.2024 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 4 | 28 | 28 | 12 | 0 |
| Max. temp (°C) | 38.2 | 37.5 | 36.8 | 37 | 37 |
| Min.Temp (°C) | 22.6 | 23 | 23.2 | 23 | 22.9 |
| Sky condition (Octas) | 3 | 7 | 5 | 7 | 6 |
| Relative humidity (%) 0830 hours | 84 | 83 | 86 | 75 | 79 |
| Relative humidity (%) 1730 hours | 23 | 33 | 47 | 31 | 27 |
| Wind Speed (kmph) | 13 | 11 | 8 | 9 | 9 |
| Wind Direction | 248 | 248 | 238 | 210 | 244 |

Forecast Summary

Heavy Rain/Thundershowers associated with gusty winds (40-50 kmph) very likely to occur at some places over Kodagu, Mysuru, Chamarajanagar, Mandya districts for next 7 days.

As forecast received from IMD, cloudy sky with moderate rainfall may be expected from 15.05.2024 to 19.05.2024 in Mysuru district. The day temperature is expected to be 37-38.2°C & night temperature is expected 22.6-23.2°C. The relative humidity in the morning hours is expected to be 75-86% & afternoon relative humidity is expected to be in the range of 23-47%. Wind speed expected to be 9-13 km/hr.

Recommendations to the farmers:

| Crop | Pest/Disease | Damage symptoms | Control measures |
|---|---------------------|---|---|
| <p>➤ Post-Rain Ploughing: Take advantage of the softened soil after the rain to conduct ploughing operations. This can help incorporate moisture into the soil and improve its structure. However, ensure that the soil is not too wet to avoid compaction.</p> <p>➤ Prepare Seeds: Keep seeds ready for sowing once the weather improves. Ensure seeds are stored in dry and well-ventilated areas to prevent moisture-related damage. Check seed quality before planting to ensure optimal germination and crop establishment.</p> <p>➤ Pest and Disease Management: With the onset of rains, there's an increased risk of pest and disease outbreaks. Farmers should proactively monitor their fields for signs of pests and diseases and be prepared to implement control measures as necessary. Organic methods such as neem oil or biological control agents can be effective and environmentally friendly options.</p> <p>➤ Crop Protection: If feasible, consider covering seedbeds or nurseries with protective materials like mulch or shade nets to shield them from heavy rainfall and potential soil erosion.</p> <p>➤ Field Drainage: Assess field drainage systems and ensure they are functioning effectively to prevent waterlogging. Clear any blockages in drains and trenches to facilitate proper water runoff.</p> <p>➤ Crop Selection: Opt for crop varieties that are less susceptible to waterlogging and fungal diseases during the premonsoon period. Consult with local agricultural experts for recommendations tailored to your region's conditions.</p> <p>➤ Post-Rain Inspection: After the rains subside, inspect fields for any signs of waterlogging, erosion, or disease outbreaks. Take prompt action to address any issues and mitigate further damage to crops.</p> | | | |
| Chilli | Thrips and mites | Symptoms : Severe leaf curling in both upward and downward directions, elongated petiole, Yellow mixed green leaves, the irregular leaf size with curled leaves, stunted growth of the plants. | Management: spray 2.5 ml. Dicofol 18.5 EC or 0.3 ml. Imidacloprid 17.8 SL./lit. water. Repeat the spray at an interval of 10 days, around 200 lit. spray solution/acre/spray. |
| Bean | Yellow mosaic virus | Yellow mixed green coloured leaves, stunted growth, to manage this disease uproot the infected plants and spray Imidocloprid 17.8 SL @ 0.5ml/lit.of water. | |
| Banana | Pseudo stem borer | <ul style="list-style-type: none"> The grubs bore the pseudostem, affected plants with number of holes on pseudostem, breaking of infested plants at damaged portion due to wind. Management: Add 3.0 ml. Chloropyriphos 20 EC.or 3.0 ml. Dimethoate 30 EC. with 5.0 ml. water. Inject the mixture to the pseudostem about a feet height from ground level. | |
| Tomato | Fruit borer | For every 25 rows of tomato grow one row of marigold cultivar African tall. The marigold seedlings about 35-40 days old. If borer problems exceeds 10 per cent spray 4 per cent. NSKE or 1.0 g. Methomil 40 SP. in a lit. water. | |
| Cowpea/Black gram | Aphids | Several individuals suck the sap from tender shoots, flower buds, flowers, leaves and tender pods. Yellowing of leaves, shrivelled grains and sooty mold on leaves. To manage this pest spray Dimethoate – 30 EC. @ 1.7 ml./liter water spray. 200 lit. Spray | |

| | | |
|---------------|------------------------------|---|
| | | mixture/acre or azadirachtin 1500ppm @ 5ml/litre. |
| Tomato | late blight of tomato | White or ash coloured fungal growth on ventral surface of the leaves. Drying of plants if infestation severe. For control of late blight spray 2.5 g. Capton 50 WP. or 2.5 g. Capton 75 WP or 2.5 g. Copper oxychloride 50% WP in a lit. water. 300 lit. spray solution required/acre/spray. |

Before transplanting dip the Tomato/ Brinjal/ Chilli seedlings roots with *Pseudomonous florosences* solution (1gm/ltr of water) to avoid incidence of diseases in next stages

Block level weather forecast (From 15-05-2024 to 19-05-2024)

Krishnarajpet

| Parameter | 15.05.2024 | 16.05.2024 | 17.05.2024 | 18.05.2024 | 19.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0 | 0 | 3.3 | 4.4 | 9.5 |
| Max. temp (°C) | 30.9 | 28.6 | 28.9 | 27.8 | 26.1 |
| Min.Temp (°C) | 21.7 | 20.2 | 19.8 | 20.2 | 19.8 |
| Sky condition (Octas) | 8 | 6 | 6 | 7 | 7 |
| Relative humidity (%) 0830 hours | 71 | 76 | 86 | 85 | 89 |
| Relative humidity (%) 1730 hours | 33 | 33 | 34 | 38 | 53 |
| Wind Speed (kmph) | 8 | 8 | 8 | 8 | 14 |
| Wind Direction | 248 | 195 | 240 | 242 | 246 |

H.D. Kote

| Parameter | 15.05.2024 | 16.05.2024 | 17.05.2024 | 18.05.2024 | 19.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0.1 | 0 | 3.3 | 9.2 | 5.1 |
| Max. temp (°C) | 31.7 | 30.2 | 29.4 | 29.3 | 27.3 |
| Min.Temp (°C) | 21.8 | 20.7 | 19.7 | 20.6 | 20.1 |
| Sky condition (Octas) | 8 | 6 | 5 | 7 | 8 |
| Relative humidity (%) 0830 hours | 68 | 73 | 84 | 82 | 85 |
| Relative humidity (%) 1730 hours | 32 | 36 | 37 | 41 | 52 |
| Wind Speed (kmph) | 9 | 8 | 8 | 8 | 13 |
| Wind Direction | 158 | 195 | 248 | 248 | 248 |

Hunsuru

| Parameter | 15.05.2024 | 16.05.2024 | 17.05.2024 | 18.05.2024 | 19.05.2024 |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0.1 | 0 | 4.3 | 10.3 | 5.6 |
| Max. temp (°C) | 32.2 | 29.6 | 29.7 | 29.6 | 28.3 |

| | | | | | |
|---|------|------|------|------|------|
| Min.Temp (°C) | 21.6 | 20.5 | 19.5 | 20.4 | 20.2 |
| Sky condition (Octas) | 8 | 6 | 5 | 7 | 7 |
| Relative humidity (%) 0830 hours | 67 | 70 | 82 | 81 | 81 |
| Relative humidity (%) 1730 hours | 30 | 40 | 37 | 42 | 50 |
| Wind Speed (kmph) | 11 | 8 | 8 | 8 | 13 |
| Wind Direction | 68 | 180 | 68 | 248 | 249 |

K.R. Nagara

| Parameter | 15.05.2024 | 16.05.2024 | 17.05.2024 | 18.05.2024 | 19.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0.5 | 0.8 | 2.2 | 4.5 | 17.7 |
| Max. temp (°C) | 31.1 | 25.8 | 28.3 | 28 | 28.2 |
| Min.Temp (°C) | 20.7 | 19 | 18.5 | 19.8 | 19.2 |
| Sky condition (Octas) | 8 | 6 | 5 | 7 | 7 |
| Relative humidity (%) 0830 hours | 70 | 71 | 82 | 78 | 85 |
| Relative humidity (%) 1730 hours | 30 | 48 | 39 | 42 | 45 |
| Wind Speed (kmph) | 12 | 7 | 11 | 9 | 15 |
| Wind Direction | 68 | 180 | 244 | 234 | 248 |

Mysuru

| Parameter | 15.05.2024 | 16.05.2024 | 17.05.2024 | 18.05.2024 | 19.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 1.4 | 0.7 | 0.6 | 1.4 | 13.7 |
| Max. temp (°C) | 30 | 24 | 27.4 | 26.5 | 27.4 |
| Min.Temp (°C) | 19.8 | 18 | 18 | 18.8 | 18.1 |
| Sky condition (Octas) | 8 | 5 | 5 | 8 | 7 |
| Relative humidity (%) 0830 hours | 70 | 70 | 78 | 76 | 84 |
| Relative humidity (%) 1730 hours | 29 | 47 | 38 | 41 | 42 |
| Wind Speed (kmph) | 11 | 7 | 11 | 10 | 15 |
| Wind Direction | 68 | 169 | 244 | 240 | 248 |

Nanjanagudu

| Parameter | 15.05.2024 | 16.05.2024 | 17.05.2024 | 18.05.2024 | 19.05.2024 |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 1.4 | 0.7 | 0.6 | 1.4 | 13.7 |
| Max. temp (°C) | 30 | 24 | 27.4 | 26.5 | 27.4 |
| Min.Temp (°C) | 19.8 | 18 | 18 | 18.8 | 18.1 |

| | | | | | |
|---|----|-----|-----|-----|-----|
| Sky condition (Octas) | 8 | 5 | 5 | 8 | 7 |
| Relative humidity (%) 0830 hours | 70 | 70 | 78 | 76 | 84 |
| Relative humidity (%) 1730 hours | 29 | 47 | 38 | 41 | 42 |
| Wind Speed (kmph) | 11 | 7 | 11 | 10 | 15 |
| Wind Direction | 68 | 169 | 244 | 240 | 248 |

| Piriapatna | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Parameter | 15.05.2024 | 16.05.2024 | 17.05.2024 | 18.05.2024 | 19.05.2024 |
| Rainfall (mm) | 0.4 | 0 | 4.3 | 15.4 | 2.7 |
| Max. temp (°C) | 32 | 31.4 | 29.7 | 30 | 26.7 |
| Min.Temp (°C) | 21.9 | 21.2 | 20.2 | 20.8 | 20.5 |
| Sky condition (Octas) | 8 | 6 | 5 | 7 | 8 |
| Relative humidity (%) 0830 hours | 69 | 75 | 85 | 84 | 87 |
| Relative humidity (%) 1730 hours | 35 | 35 | 40 | 42 | 59 |
| Wind Speed (kmph) | 7 | 7 | 7 | 8 | 12 |
| Wind Direction | 244 | 150 | 251 | 253 | 249 |

| T. Narasipura | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Parameter | 15.05.2024 | 16.05.2024 | 17.05.2024 | 18.05.2024 | 19.05.2024 |
| Rainfall (mm) | 1.9 | 0.2 | 0 | 1.1 | 4.3 |
| Max. temp (°C) | 30.7 | 24.7 | 27.9 | 28.5 | 29.9 |
| Min.Temp (°C) | 20.5 | 19.1 | 19.2 | 19.8 | 19.4 |
| Sky condition (Octas) | 7 | 7 | 5 | 7 | 7 |
| Relative humidity (%) 0830 hours | 71 | 70 | 73 | 74 | 80 |
| Relative humidity (%) 1730 hours | 30 | 50 | 38 | 39 | 36 |
| Wind Speed (kmph) | 11 | 7 | 11 | 9 | 14 |
| Wind Direction | 68 | 199 | 236 | 240 | 252 |

- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

For any information farmers can contact **Dr.C.Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Research Assoicateover phone No. 0821-259126/ 9535345814.

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