

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



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



**Date: 16-08-2024**

**AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

Parameter	13.08.2024	14.08.2024	15.08.2024	16.08.2024
Rainfall (mm)	1	1.5	0	0
Max. Temp. (°C)	30.6	32.6	32.3	33
Min. Temp. (°C)	23	22.4	23.3	23.5
Sky condition (Octas)	8	6	-	8
Relative humidity (%) 0830 hours	93	81	94	84
Relative humidity (%) 1730 hours	65	-	62	-
Wind Speed (km/h)	4	6	-	0
Wind Direction	360	50	-	0

**Weather forecast for the next five days (From 17-08-2024 to 21-08-2024)**

Parameter	17.08.2024	18.08.2024	19.08.2024	20.08.2024	21.08.2024
Rainfall (mm)	10	8	7	6	5
Max. temp (°C)	32.4	29.9	31.3	32	31.9
Min.Temp (°C)	19	19.5	19.7	20	18.8
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	91	91	89	85	92
Relative humidity (%) 1730 hours	63	66	60	55	59
Wind Speed (kmph)	9	9	7	6	9
Wind Direction	298	315	68	135	225

**Forecast Summary**

As forecast received from IMD, cloudy sky with **light to moderate rainfall** may be expected from 17.08.2024 to 21.08.2024 in Mandya district. The day temperature is expected to be 29.9-32.4°C & night temperature is expected 18.8-20°C. The relative humidity in the morning hours is expected to be 85-92% & afternoon relative humidity is expected to be in the range of 55-66% per cent. Wind speed expected to be 6-9 km/ hr.

## Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
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### General Advisory

### General recommendations for agricultural activities based on the given rainfall forecast:

- Since light rainfall is expected, monitor soil moisture levels and provide supplemental irrigation if necessary, especially for crops in critical growth stages like flowering and fruit development.
- Ensure proper drainage in fields to prevent waterlogging, particularly for crops sensitive to excess moisture, like tomato and banana.
- Apply fertilizers based on crop requirements, focusing on nutrients that support current growth stages (e.g., potassium for fruit development in banana and nitrogen for vegetative growth in paddy).
- Regularly inspect crops for signs of pests and diseases, and apply appropriate control measures if needed. Humid conditions can promote disease outbreaks, so preventive fungicide application may be necessary.
- Use organic mulches to conserve soil moisture, suppress weeds, and regulate soil temperature, benefiting crops like turmeric, ginger, and tomato.
- For crops ready for harvest, like tobacco and sunflower, plan harvesting activities during dry periods to ensure quality and ease of operation.
- Provide support to crops prone to lodging or falling over, such as tomato and chilli, to maintain plant health and fruit quality.
- For crops like coffee, ensure adequate shade is provided to protect plants from heat stress during sunny periods.
- Store harvested produce in cool, dry conditions to maintain quality and prevent spoilage.

Crop	Stage	Weather-based Advisory
Banana	Fruit development	Ensure proper drainage to prevent waterlogging. Apply potassium-rich fertilizers to support fruit growth. Monitor for pest and disease outbreaks.
Tomato	Fruit development	Mulch around plants to conserve moisture. Support plants with stakes or cages. Apply fungicides if necessary to prevent blight.
Paddy	Transplanting to vegetative	Maintain proper water levels in fields to support transplanting. Apply nitrogen fertilizers to boost vegetative growth.
Tobacco	Harvesting	Harvest mature leaves in the morning to maintain quality. Cure harvested leaves under controlled conditions.
Pulses (Black gram, Green gram, Cowpea)	Flowering	Ensure adequate soil moisture during flowering. Monitor for pests like pod borers and apply necessary controls.
Chilli	Transplanting	Transplant in the evening to reduce transplant shock. Ensure soil is well-drained and apply a balanced fertilizer to promote root establishment.
Sunflower	Harvesting	Harvest when the back of the sunflower heads turn yellow. Dry seeds thoroughly before storage.
Turmeric and Ginger	Rhizome development	Ensure consistent soil moisture to support rhizome growth. Apply organic mulches to conserve moisture and suppress weeds.
Coffee	Berry development	Provide shade to protect berries from heat stress. Maintain soil moisture through irrigation if necessary. Monitor for pests like berry borer.

Tomato Fruit borer	Fruiting	Caterpillar bore the flower buds and fruits. Infested flower buds with hole and drops off, fruit with a hole, water enter through the hole leads to rotting. Trap crop: 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 100 LE, Ha. NPV. If infestation in severe form spray 1.0 g. Methomil 40 SP. in a lit. water
Coconut	Rhinoceros beetle	Remove the adult beetle from crown of the palm by means of iron hook. Quinalphos 1.5 D. OR Malathion 5 D. mix with equal quantity of sand and plug the hole with mixture. Avoid FYM pits in and around coconut garden OR Mix 350 g. Quinalphos 1.5 D/ 3 m <sup>2</sup> of FYM.
Paddy leaf and neck blast	Transplanting to Vegetative	> Seed treatment: Treat the seeds @ 4 g. Carbendazim 50 WP. or Tricyclazole 75 WP. @ 0.6 g./kg. seed. Nursery spray > When seedlings are 10 -12 days old spray any one of the following fungicides to a lit. water. a) Carbendazim 50 WP. - 1.0 g. b) Tricyclazole 75 WP. - 0.6 g. c) Edifenphos 50 EC. - 1.0 ml. d) Kitazin 48 EC. - 1.0 ml. 20 - 25 days after transplanting if disease incidence above 5 per cent sprays any one fungicide mention above. If necessary spray at flowering stage. 200 - 300 lits. spray solution/acre.
Maize Fall army worm	Vegetative stage	Use chlorantraniliprole or Emamectin benzoate for fall armyworm. Regular monitoring.
Avare pod borer	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.
Ginger rhizome rot	Rhizome development	Plant disease free seed material Treat the planting materials in 4.0 g. Mancozeb 75 Wdiv. in a lit. water. On notice of the disease spray 2.0 g. Captan 50 Wdiv. OR 2.0 g. Metalaxyl - MZ 72Wdiv. in a lit. water. Before store of seed material soak them in 3.0 g. Mancozeb 75 Wdiv. in a lit. water for 30 min then dry in shade and store.
Bean pod borer	Pod development	Spray 2.0 ml. Malathion 50 EC./ lit. water
Coconut Eriophyid mites	-	Addition to application of recommended NPK add 1 kg. Gypsum, 50 g. Boran, 5 kg. neem oil cake/palm. Spray 80 WP. Sulphur @ 4 g./lit. water on 2 - 6 months old tender nuts. Root feeding the mixture of 7.5 ml. Neemzol. OR 10 ml. Econeem with equal quantity of water.

**Block level weather forecast (From 17-08-2024 to 21-08-2024)****Krishnarajpet**

<b>Parameter</b>	<b>17.08.2024</b>	<b>18.08.2024</b>	<b>19.08.2024</b>	<b>20.08.2024</b>	<b>21.08.2024</b>
<b>Rainfall (mm)</b>	9.1	10.4	1.1	14.3	0.6
<b>Max. temp (°C)</b>	30.4	30.1	30.4	29.6	29.2
<b>Min.Temp (°C)</b>	18.2	20	19.5	18.3	18.3
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	93	88	93	89	90
<b>Relative humidity (%) 1730 hours</b>	55	55	59	61	61
<b>Wind Speed (kmph)</b>	11	7	11	15	21
<b>Wind Direction</b>	250	18	90	200	204

**Maddur**

<b>Parameter</b>	<b>17.08.2024</b>	<b>18.08.2024</b>	<b>19.08.2024</b>	<b>20.08.2024</b>	<b>21.08.2024</b>
<b>Rainfall (mm)</b>	10	6.8	0.7	4.2	9.6
<b>Max. temp (°C)</b>	32.1	31.6	32.7	32.3	31.6
<b>Min.Temp (°C)</b>	20.3	21.9	21	20.6	19.9
<b>Sky condition (Octas)</b>	8	8	8	7	8
<b>Relative humidity (%) 0830 hours</b>	92	86	91	91	88
<b>Relative humidity (%) 1730 hours</b>	52	53	49	55	55
<b>Wind Speed (kmph)</b>	10	5	10	10	15
<b>Wind Direction</b>	245	330	108	180	243

**Malvalli**

<b>Parameter</b>	<b>17.08.2024</b>	<b>18.08.2024</b>	<b>19.08.2024</b>	<b>20.08.2024</b>	<b>21.08.2024</b>
<b>Rainfall (mm)</b>	7.6	7.5	0.3	9.9	8.4
<b>Max. temp (°C)</b>	30.9	31.3	31.5	31.5	30.5
<b>Min.Temp (°C)</b>	19.8	21.4	20.7	20.3	19.5
<b>Sky condition (Octas)</b>	8	8	7	7	7
<b>Relative humidity (%) 0830 hours</b>	91	85	91	91	87
<b>Relative humidity (%) 1730 hours</b>	51	51	49	54	53
<b>Wind Speed (kmph)</b>	10	5	10	9	14
<b>Wind Direction</b>	242	113	103	248	246

**Mandya**

<b>Parameter</b>	<b>17.08.2024</b>	<b>18.08.2024</b>	<b>19.08.2024</b>	<b>20.08.2024</b>	<b>21.08.2024</b>
<b>Rainfall (mm)</b>	8.9	7.7	0	11.2	4.7
<b>Max. temp (°C)</b>	31.3	31.4	31.9	31.7	31.1
<b>Min.Temp (°C)</b>	19.6	21.3	20.6	19.8	19.4
<b>Sky condition (Octas)</b>	8	8	8	7	8
<b>Relative humidity (%) 0830 hours</b>	92	86	91	90	88
<b>Relative humidity (%) 1730 hours</b>	51	52	50	58	56
<b>Wind Speed (kmph)</b>	11	5	10	11	19
<b>Wind Direction</b>	248	304	90	236	243

**Nagamangala**

<b>Parameter</b>	<b>17.08.2024</b>	<b>18.08.2024</b>	<b>19.08.2024</b>	<b>20.08.2024</b>	<b>21.08.2024</b>
<b>Rainfall (mm)</b>	15.4	7.8	0.4	7.2	2.7
<b>Max. temp (°C)</b>	31.6	30.9	32	31.4	31.3
<b>Min.Temp (°C)</b>	19.3	20.6	19.9	19	18.9
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	91	87	92	88	89
<b>Relative humidity (%) 1730 hours</b>	54	57	55	57	59
<b>Wind Speed (kmph)</b>	10	7	12	15	21
<b>Wind Direction</b>	255	15	90	200	225

**Pandavapura**

<b>Parameter</b>	<b>17.08.2024</b>	<b>18.08.2024</b>	<b>19.08.2024</b>	<b>20.08.2024</b>	<b>21.08.2024</b>
<b>Rainfall (mm)</b>	8.9	9	0.4	13.3	1.6
<b>Max. temp (°C)</b>	30.6	30.6	31	30.4	30
<b>Min.Temp (°C)</b>	18.8	20.6	19.9	18.8	18.7
<b>Sky condition (Octas)</b>	8	8	8	7	8
<b>Relative humidity (%) 0830 hours</b>	93	87	92	90	89
<b>Relative humidity (%) 1730 hours</b>	53	54	55	59	59
<b>Wind Speed (kmph)</b>	12	6	11	13	22
<b>Wind Direction</b>	248	293	103	203	243

**Shrirangapattana**

<b>Parameter</b>	<b>17.08.2024</b>	<b>18.08.2024</b>	<b>19.08.2024</b>	<b>20.08.2024</b>	<b>21.08.2024</b>
<b>Rainfall (mm)</b>	6.5	9.8	1.3	13.5	1.5
<b>Max. temp (°C)</b>	30	30.4	30.4	30.1	29.7
<b>Min.Temp (°C)</b>	18.5	20.4	19.7	18.6	18.5
<b>Sky condition (Octas)</b>	8	8	8	7	8
<b>Relative humidity (%) 0830 hours</b>	93	88	92	89	88
<b>Relative humidity (%) 1730 hours</b>	53	53	55	58	58
<b>Wind Speed (kmph)</b>	12	6	11	13	22
<b>Wind Direction</b>	248	252	103	236	243

- 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](http://mausam.imd.gov.in)

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

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