

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



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



Date: 12-04-2024

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data			
Parameter	10.04.2024	11.04.2024	12.04.2024
Rainfall (mm)	0	0	0
Max. Temp. (°C)	37.7	37.2	37
Min. Temp. (°C)	-	-	-
Sky condition (Octas)	0	0	0
Relative humidity (%) 0830 hours	51	53	66
Relative humidity (%) 1730 hours	24	25	30
Wind Speed (km/h)	2	2	0
Wind Direction	180	270	0

Weather forecast for the next five days (From 13-03-2024 to 17-04-2024)

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	1	1	0	0	1
Max. temp (°C)	37.1	36	37	37.4	37
Min.Temp (°C)	17.3	17.4	17.7	17.1	17.5
Sky condition (Octas)	4	4	5	4	3
Relative humidity (%) 0830 hours	78	76	75	81	83
Relative humidity (%) 1730 hours	22	31	26	21	18
Wind Speed (kmph)	10	8	9	12	11
Wind Direction	200	162	120	191	244

Forecast Summary

As forecast received from IMD, Partially cloudy sky with very light rainfall may be expected from 13.04.2024 to 17.04.2024 in Mysuru district. The day temperature is expected to be 36-37.4°C & night temperature is expected 17.1-17.7°C. The relative humidity in the morning hours is expected to be 75-83% & afternoon relative humidity is expected to be in the range of 18-31%. Wind speed expected to be 8-12 km/hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> • Water Management: Ensure adequate water supply to crops. Implement efficient irrigation systems such as drip irrigation to minimize water loss through evaporation. • Crop Selection: Opt for drought-resistant or heat-tolerant crop varieties that can withstand high temperatures. • Timing of Farming Activities: Schedule farming activities such as planting, watering and harvesting during cooler parts of the day, typically early morning or late evening, to minimize heat stress on plants and reduce water evaporation. • Mulching: Apply mulch to retain soil moisture and regulate soil temperature. Mulching also helps to suppress weed growth, reducing competition for water. • Monitoring: Regularly monitor soil moisture levels, crop health and animal behavior to detect signs of heat stress or dehydration early. • Livestock Management: Ensure adequate ventilation and access to clean water and shade for livestock. Avoid moving animals during the hottest parts of the day. • Poultry: Ensure that poultry houses are well-ventilated and provide adequate shade to reduce heat stress on birds. Install fans or misting systems to help cool the environment. Ensure a constant supply of cool, fresh water for the birds to drink. Consider adding electrolytes or vitamins to the water to help birds cope with heat stress • Vermicompost: As dry weather is predicted for the next five days, care should be taken to maintain the optimum moisture level of 60% in vermicompost pits. 			
Chilli	Thrips and mites	<p>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.</p> <p>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.</p>	
Bean	Yellow mosaic virus	<p>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.</p>	
Maize	Fall army worm	<p>5% damage - Application of 5% neem seed kernel extract (NSKE) or azadirachtin 1500ppm @ 5ml/litre (1 litre/acre)of water.</p> <p>10% damage- Whorl application of any one of the recommended insecticides for FAW, viz.,Chlorantraniliprole 18.5 SC (80 ml/acre) @ 0.4 ml/litre or Spinetoram 11.7 %SC (100ml/acre) @ 0.5 ml/litre or Emamectin benzoate 5% SG (80g/acre) @ 0.4g/litre.</p>	
Banana	Pseudostem 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.
watermelon	Sucking pests	For control of sucking insects in water melon install 8 – 10 yellow sticky traps per acre. When the infestation is sever spray melathion 50 EC @ 1 ml/lit water.
Sugarcane	Trash management	Sugarcane trash can be converted into compost or spread the trash in alternate rows and give irrigation, apply 15 kg urea with 5% cow dung slurry and sprinkle on trash. Application of fluorotous microbes at 5 kg /acre on trash or 1 -1.5 t press mud will enhance the fast degradation of trash.
Coconut	Black headed catterpillar	Remove and burn the severly affected fronds. On community basis feed the Manocrotophos 36 SL. to the palm through root. Method: A meter away from trunk, dig out and select brown coloured pencil thickness size root. Cut the root in a slanting position. To the polythene bag (size of 15 cm. length 4 cm. breadth) add 7.5 to 10 ml. Monocrotophos 36 SL. with equal quantity of water, introduce and immerse cut end of the root in insecticide mixture and tie the bag with thread. The palm absorb the chemical within a period of 24 hours, if not after 48 hours select another root to feed the chemical. Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.
Cattle management during summer months		<ul style="list-style-type: none"> • Maximum temperature expected to rise in coming days so tie the livestock animals in shade / cool place. • Put 4-6 inches of grass cover on the cattle shed, water 2-3 times in the afternoon and also water the floor and walls of the cattle shed. This keeps the cattle shed fairly cool. • Arrangements should be made so that air can flow easily in the cattle shed. • Clean water should be given to the cattles. • Don't allowed the cattle to graze during afternoon period when the temperature is high, cattles should be allowed to graze in the morning or evening time.

Block level weather forecast (From 13-04-2024 to 17-04-2024)**H.D. Kote**

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.3	0.3	0	0	0.3
Max. temp (°C)	32	32.6	32.5	33.1	33.4
Min.Temp (°C)	20.1	20.6	21	20.6	20.2
Sky condition (Octas)	5	4	5	5	6
Relative humidity (%) 0830 hours	82	73	75	89	88
Relative humidity (%) 1730 hours	25	22	24	14	17
Wind Speed (kmph)	8	8	8	12	14
Wind Direction	210	75	191	68	248

Hunsuru

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.5	0.3	0	0	1.1
Max. temp (°C)	33.1	33.3	33.5	34.3	34.9
Min.Temp (°C)	19.5	20	20.5	19.7	19.4
Sky condition (Octas)	5	4	6	5	6
Relative humidity (%) 0830 hours	80	73	71	89	85
Relative humidity (%) 1730 hours	26	24	25	16	17
Wind Speed (kmph)	9	8	8	12	13
Wind Direction	180	105	161	75	248

K.R. Nagara

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.8	2.3	0	0.2	0.9
Max. temp (°C)	33.2	33.4	33.9	34.8	35.2
Min.Temp (°C)	19	19.5	19.9	19.1	18.9
Sky condition (Octas)	5	4	6	5	6
Relative humidity (%) 0830 hours	77	70	64	84	82
Relative humidity (%) 1730 hours	28	24	26	17	17
Wind Speed (kmph)	10	8	10	12	13
Wind Direction	124	158	150	108	244

Mysuru

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.9	0.5	0	0	1
Max. temp (°C)	32	32	32.7	33.9	33.8
Min.Temp (°C)	18.5	19	19.4	18.9	18.6
Sky condition (Octas)	6	5	6	5	7
Relative humidity (%) 0830 hours	76	67	63	81	86
Relative humidity (%) 1730 hours	32	25	26	15	19
Wind Speed (kmph)	12	9	12	13	15
Wind Direction	146	75	144	108	248

Nanjanagudu

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.3	0.2	0	0	1
Max. temp (°C)	30.8	30.8	31.6	32.5	32.3
Min.Temp (°C)	17.9	18.4	18.6	18.3	18
Sky condition (Octas)	5	5	5	5	7
Relative humidity (%) 0830 hours	76	66	64	79	83
Relative humidity (%) 1730 hours	32	24	26	15	19
Wind Speed (kmph)	12	10	12	13	15
Wind Direction	146	150	155	90	248

Piriapatna

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.3	0.2	0	0	1
Max. temp (°C)	33.5	33.7	33.6	35	35
Min.Temp (°C)	19.6	20.1	20.4	19.7	19.4
Sky condition (Octas)	5	3	5	5	6
Relative humidity (%) 0830 hours	82	76	76	92	87
Relative humidity (%) 1730 hours	25	28	26	15	21
Wind Speed (kmph)	8	8	7	11	12
Wind Direction	240	255	60	68	248

T. Narasipura

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	1	2	0	0	1
Max. temp (°C)	31.9	31.8	33	34	34.1
Min.Temp (°C)	18.7	19.1	19.1	19.1	18.9
Sky condition (Octas)	4	4	4	5	6
Relative humidity (%) 0830 hours	76	68	62	74	82
Relative humidity (%) 1730 hours	30	24	23	14	17
Wind Speed (kmph)	13	10	12	13	13
Wind Direction	146	150	113	165	248

- 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 Associate over phone No. 0821-259126/ 9535345814.

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