



University of Agricultural Sciences, Dharwad
ICAR - Krishi Vigyan Kendra, Haveri (Hanumanamatti)
District Agro Meteorological Unit (DAMU)
Agromet Advisory Service Bulletin for Haveri district

(Period 5th to 9th august, 2023)

Date: 4.8.2023

(Issued jointly by DAMU KVK - Haveri, University of Agricultural Sciences, Dharwad
and India Meteorological Department)

Last three days weather (2.8.2023 to 4.8.2023)

Parameter /Date	RF (mm)	Tmax (°C)	Tmin (°C)	RH I (%)	RH II (%)	Wind speed (kmph)
2.8.2023	0.4	26.2	21.6	82.0	81.0	2.0
3.8.2023	1.0	26.8	21.0	86.0	75.0	8.0
4.8.2023	1.2	26.2	21.6	82.0	81.0	10.0
Mean / Total	2.6	26.4	21.4	83.3	79.0	6.7

*(RF – Rainfall, Tmax – Maximum Temperature, Tmin – Minimum Temperature, RH I – Morning Relative Humidity, RH II - Evening Relative Humidity)

Month wise rainfall distribution (mm)

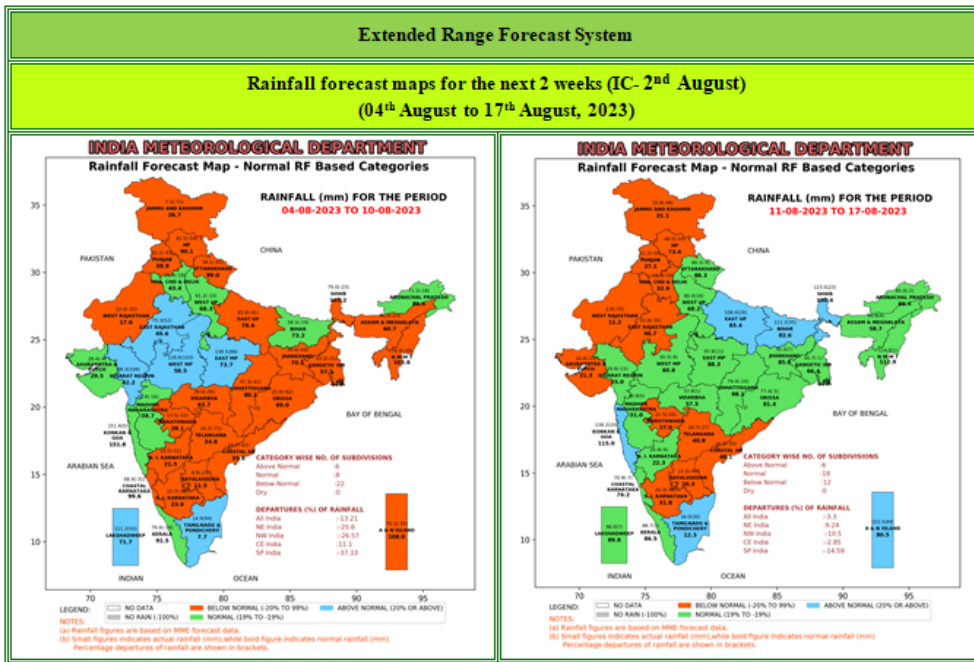
Month	Mean (2011-2018)		2020		2021		2022		2023	
	Rainfall (mm)	Rainy days	Rainfall (mm)	Rainy days	Rainfall (mm)	Rainy days	Rainfall (mm)	Rainy days	Rainfall (mm)	Rainy days
January	0.0	0	0	0	65.6	2	0	0	0	0
February	0.0	0	0	0	8.2	1	0	0	0	0
March	6.8	1	0	0	0	0	6.8	1	0.6	0
April	44.8	3	9.8	1	78.2	5	105.2	6	0.0	0
May	90.6	4	47.6	5	102.8	8	292.8	9	14.5	2
June	107.9	10	80.4	11	197.8	10	57.7	8	98.2	5
July	144.7	14	195.4	15	185.8	16	226.2	19	363.9	20
August	151.2	13	190.4	17	125.5	11	336.6	16	10.6	1
September	79.0	9	156.6	13	69.8	12	179.8	11		
October	154.7	7	158.8	7	131.4	9	182.2	12		
November	22.4	1	0	0	144.2	7	1.8	0		
December	0.0	0	0	0	22.6	2	2.6	0		
	802.6	61	839.0	69	1131.9	82	1391.7	82	487.8	28

Weather Forecast Issued by the India Meteorological Department for **Haveri** district for the coming five days - until 0830 hrs of 9.8.2023.

Weather Parameters	DAY-1 (5.8.2023)	DAY-2 (6.8.2023)	DAY-3 (7.8.2023)	DAY-4 (8.8.2023)	DAY-5 (9.8.2023)
Rainfall (mm)	1	1	1	1	1
Max Temp Trend (deg C)	26	25	25	24	24
Min Temp Trend (deg C)	22	22	22	22	22
Max. Relative Humidity (%)	82	82	82	82	82
Min. Relative Humidity (%)	81	81	81	81	81
Wind Speed (kmp)	5	4	5	5	4
Wind Direction	248	248	248	248	248
Total cloud cover (octa)	6	6	6	6	6

Summary of Weather Forecast for next Five days

As per the forecast issued by the India Meteorological Department, Bangalore for **Haveri** district for the next five days, the sky will be partially cloudy and trace rainfall may be expected. The maximum temperature would be **24 - 26 °C** and minimum temperature would be around **22°C** during next five days. The morning relative humidity (RH) would vary from **82 per cent** and evening RH ranges from **81 cent.** Average wind speed will be **4 - 5 km/hr.**



Extended Range Forecast

Rainfall activity over Northern Interior Karnataka including Haveri district during

- Week 1 (4.8.2023 to 10.8.2023) Rainfall is likely to be below normal**
- Week 2 (11.8.2023 to 17.8.2023) Rainfall is likely to be normal**

Weather Based Agro Advisories (Field Crop / Horticulture crops)

General advisories:

- If the cereal crops showing leaf reddening symptom due to excess rain water, spray 13:0:45 or 19:19: 19 and micronutrient.
- Sunflower and minor millets can be sown as an alternative crop if the crop is damaged due to continuous rains.
- Drenching of Carbendazim @ 2 g per lit of water can be advised for wilting of crops due to excess moisture.
- To meet out nutrient deficiency in Pigeonpea, Soybean and Greengram due to continuous rainfall spray 1% (10 g per lit of water) urea or 13:0:45 water soluble fertilizer.
- Due to continuous rainfall during last week coupled with prevailing light to moderate rainfall and cloudy weather forecast, there is more chances of soybean rust, maize sucking pests and fall armyworm incidence. Farmers are advised to take precautionary measures.
- Don't allow the livestock animals to drink stagnated water.
- Add soap solution while going for any pesticide spraying.



Fall army worm in maize



Leaf minor in groundnut



Defoliator in soybean



Gypsum application in groundnut



Ash weevil in cotton



Drenching of carbendazim for wilting (excess moisture)

Cereals, pulses, fiber and oil seed crops:

Crop	Stage	Suggestion
Maize	Vegetative	<ul style="list-style-type: none"> • If the crop showing leaf reddening symptom due to excess rain water spray 13:0:45 (10 gm/lit) or 19:19:19 (10 gm/lit) and micronutrient 2.5 gm per lit of water. • On priority basis once the soil condition is favorable take one interculture operation immediately • At 45 DAS spary nano urea 4 ml per lit of water • Weed management: Spray 48 gm of Tembotrion at 20 – 25 DAS (weeds at 2 -3 leaf stage). • For the control of stemborer & fallarmyworm spray Dimethoate 30 E.C @ 1.5 ml/lit of water or Emamectin benzoate @ 0.2 g per lit of water (solution should enter into the whorl)
Groundnut	Vegetative	<ul style="list-style-type: none"> • Weed management: Spray Imazythaper 10 SL @ 2 ml per lit of water at 20 DAS. • For the control of leaf miner spray Prophenophos 50 EC @ 2 ml or Dimethoate 30 E.C @ 1.5 ml/lit of water. • For the control of Root grub drench Chlorpyriphos @ 12 ml or metarhizium anisopleae @ 5 g per lit of water. • Spraying of Profenophos @ 2 ml per lit of water to control leaf eating caterpillar • If zinc and iron deficiency is noticed during vegetative period (30 – 50 DAS), spray zinc sulphate and iron sulphate 0.5% each 2- 3 times in 15 days interval. • Apply gypsum (200 kg/acre) at 35- 45 DAS on either sides of crop rows during last interculture operation.
Soybean	Vegetative	<ul style="list-style-type: none"> • For the control of sucking pest & stem fly spray Imidachoprid 0.5 ml or Dimethoate 30 EC @ 1.5 ml/lit of water after 15 days of sowing. • For the control of defoliators spraying of Profenophos @ 2ml or Quinolphos @ 2 ml or metarhizium relaye @ 2 g per lit of water is advisable.
Redgram	Vegetative	<ul style="list-style-type: none"> • Weed management: spray imazythaper 10 sl @ 400 ml in 300 lit of water after 3 weeks of sowing.

		<ul style="list-style-type: none"> • Nipping should be practiced at 50 DAS for more branching and seed set.
Cotton	Vegetative	<ul style="list-style-type: none"> • To meet out nutrient deficiency in cotton due to continuous rainfall spray 19:19:19 or 13:0:45 water soluble fertilizer @ 5 g per litre at 30 -35 DAS and 10 g at 45-60 DAS • To reduce leaf reddening in cotton spray 1 % magnesium sulphate (10 g per litre of water) • For the control of stemborer (shoot weevil) and leaf miner spray Soloman 300 D (1 ml per lit of water) and Profenophos + Novan (2 ml + 0.5 ml per lit of water, respectively) at 30 DAS • Weed management: Spray 1 ml of Quizilopop ethyl 5% EC and 1 ml of Pyrethrin sodium 10 EC per lit of water at 25 – 30 DAS.

Horticulture crops:

Capsicum	Seedling	<ul style="list-style-type: none"> ❖ Training of capsicum plants starts from 6th week after planting at 20 days interval. ❖ To get high yield capsicum lateral shoots / branches should be pinched on 1st leaf (internode) or 2nd leaf (internode)
Mango	Vegetative	<ul style="list-style-type: none"> ❖ Tipping of primary, secondary and tertiary branches is needed under high density planting during initial years of orchard establishment.

Animal Husbandry :

Cow / Buffaloes	<ul style="list-style-type: none"> ❖ Deworming should be done to dairy animals by using Albendazole or fenbendazole for every 6 months. ❖ Mineral mixture @ 80 - 100 gm per day given to balance the minerals. ❖ For milking dairy animals 1 kg of concentrated feed should be given for every 3 lit of milk production.
Sheep and goat	<ul style="list-style-type: none"> ❖ Vaccination against HS and BQ diseases ❖ Keep the animal house clean and dry to avoid foot rot disease.

This information is based on the weather forecast received from IMD, Bengaluru

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