



Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga, Karnataka

Gramin Krishi Mausam Sewa Project

Agromet Advisory Service Bulletin for Dakshina Kannada District

(Issued jointly by India Meteorological Department, Pune & MC, Bengaluru and GKMS, Zonal Agricultural and Horticultural Research Station, Brahmavar-576213 Dakshina Kannada District, Karnataka)



Weather Forecast from 02.04.2025 to 06.04.2025

No. GKMSB/25/2025

Date: 21.04.2025

Past Week Weather Data Of Dakshina Kannada (Date: 28.03.2025 to 01.04.2025)

Sl. No.	Weather Parameters	28.03.2025	29.03.2025	30.03.2025	31.03.2025	01.04.2025
01	Rainfall (mm)	5	5	12	12	12
02	Max Temp Trend (deg C)	34	35	34	33	33
03	Min Temp Trend (deg C)	25	25	25	25	25
04	Total cloud cover (octa)	2	3	5	6	6
05	Max. Relative Humidity (%)	87	88	88	88	83
06	Min. Relative Humidity (%)	40	42	45	48	44
07	Wind Speed (kmp)	8	8	10	10	14
08	Wind Direction (deg)	117	117	97	160	160

Weather Forecast Issued by the India Meteorological Department for Dakshina Kannada District for the coming five days – until 0830 hrs of 02.04.2025 to 06.04.2025

Sl. No	Weather Parameters	Day-1 (02.04.2025)	Day-2 (03.04.2025)	Day-3 (04.04.2025)	Day-4 (05.04.2025)	Day-5 (06.04.2025)	Past Week Mean	Forecast Mean
1	Rainfall (mm)	5	5	12	12	12	2.8	46↑
2	Max Temp (°C)	34	35	34	33	33	33.8	33.8=
3	Min Temp (°C)	25	25	25	25	25	24.3	25↑
4	Cloud cover (Okta)	2	3	5	6	6	2	4↑
5	Max. Relative Humidity (%)	87	88	88	88	83	86	86.8↑
6	Min. Relative Humidity (%)	40	42	45	48	44	56.8	43.8↓
7	Wind Speed (Kmph)	8	8	10	10	14	3.5	10↑
8	Wind Direction (°)	117	117	97	160	160	88	130↑
9	Forecast Warning	TSH	TSH/GW	TSH/GW/G R/IS L R+	TSH/GW	TSH /GW/R+		
10	Chance of Occurrence (%)	1-25	50-75	75-100	DRY	75-100		

As per the extended range rainfall forecast given by IMD, New Delhi and MC, Bangalore for coastal region of Karnataka including Dakshina Kannada district the rainfall will be Above Normal from 06.04.2025 to 12.04.2025

Summary of Weather Forecast for next Five days

As per the Weather forecast issued by the India Meteorological Department, Pune and Bengaluru for Dakshina Kannada district, **LIGHT RAINFALL TO MODERATE RAINFALL WILL BE likely to occur for next 5 days.** The maximum temperature would be around **33.0°C-35.0°C** and minimum temperature would be around **25.0°C -25.0°C** to during next five days. The Morning Relative humidity (RH) would vary from **83-88 per cent**, Evening Relative humidity (RH) would vary from **40-48 per cent** and wind speed will be in the range of **08-14 km/hr.**

Mobile Applications developed by India Meteorological Department for the benefit of Farming Community

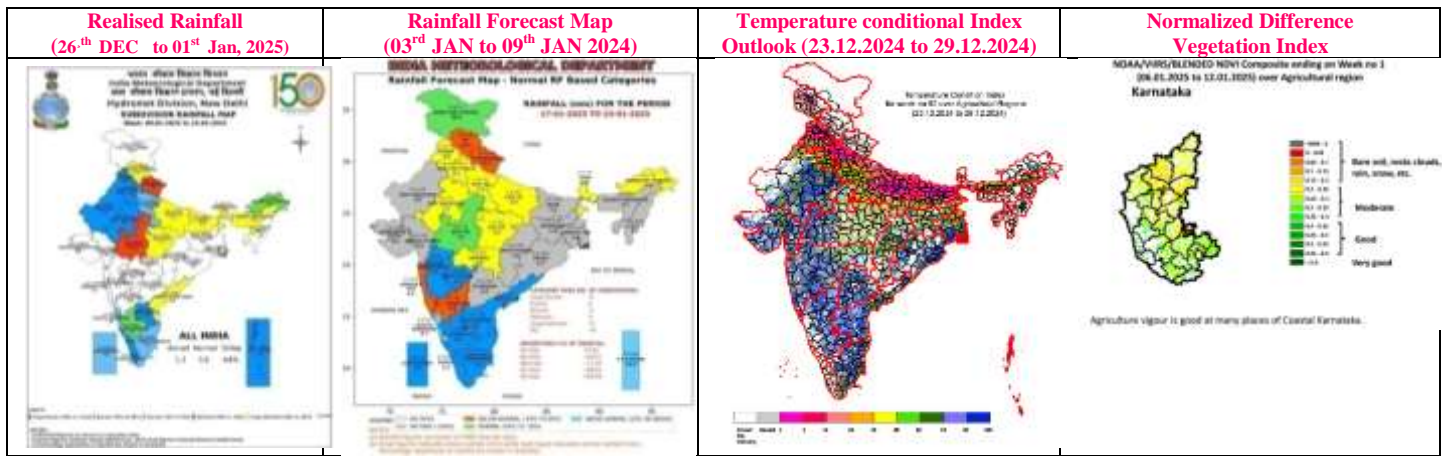
Farmers are suggested to download the app using below links

	Mausam:	Meghdoot:	Damini:
Andriod:	https://play.google.com/store/apps/details?id=com.imd.masuam	https://play.google.com/store/apps/detail?id=com.aas.meghdoot	https://play.google.com/store/apps/details?id=com.lightening.live.damini
Apple OS:	https://apps.apple.com/us/app/id1522893967	https://apps.apple.com/in/app/meghdoot/id1474048155	https://apps.apple.com/app/id1502385645

Farmers can access their Panchayath/Village level forecast by surfing into “Mausam Gram” Website. (Har Ghar Mausam)

Decadal Rainfall (mm) Comparison:

Year	30 years Mean	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Rainfall	3710.5	3325.3	2816.3	2383.4	2827.1	3000	3381.2	4118.4	4110.8	4110.8	3879.9	3316.6	3875.4
Rainy days	105	127	112	107	119	121	112	123	126	152	125	105	135



Warnings for Costal Karnataka

Date of Issue: April 1, 2025

Day 1: April 1, 2025	Thunderstorm & Lightning, Squall etc
Day 2: April 2, 2025	Thunderstorm & Lightning, Squall etc
Day 3: April 3, 2025	Heavy Rain Thunderstorm & Lightning, Squall etc Hailstorm
Day 4: April 4, 2025	Heavy Rain Thunderstorm & Lightning, Squall etc Hailstorm
Day 5: April 5, 2025	Heavy Rain Thunderstorm & Lightning, Squall etc

Weather based Agromet Advisories for Dakshina Kannada District

General Advisory:

Chances of Dry Weather may prevail over the blocks of a district for next 5 days

Due to chances of Dry weather may prevail for next 05days farmers who were not irrigated their crops should provide irrigation without fail.

Farmers can go for **soil testing** of their respective plots, so that they can provide balanced fertilizers to conserve soil health

Animals that are grazed outside in afternoon hours should be equipped with wet gunny bags over their back to reduce stress due to heat and animals should be provided clean drinking water

This is a summer time so that farmers can collect Dry waste lying around the farm and they can make compost or vermicompost from that waste.(Sometimes this dry waste may catch a fire & it will cause a huge loss)

Weather Based Agromet Advisories:

Horticultural Crops:

Crop	Operations/ Agromet Advisories
Arecanut (Pentatomid bug)	To manage bugs in arecanut, focus on clean cultivation practices, early detection and targeted interventions like spraying Neem oil emulsion
Arecanut (Leaf spot)	To manage leaf spot disease implement preventive measures like phytosanitation and use of fungicide like copper oxy chloride with systemic or Hexaconazole(1ml/ltr of water) or Propiconazole (1ml/ltr of water)
Arecanut (Mites)	As the temperature is high chances of mites occurrence is high so that the farmers can Spray Spiromeficin @ of 0.8ml/ltr to manage mites and surveillance is very important
Arecanut	As the temperature is high so, in nursery shade management is important in

(Nursery)	summer month with rearrangement of polybags. Regular watering should be done with weekly weeding.
Arecanut (Water management)	As the temperature is high Farmers can irrigate palm @ of 20 litre/day/palm. Provide Mulching from crop debris or green manure crops around root zone to conserve moisture
Arecanut (General advise)	As summer season is going on Shade management with intercropped Banana and other shade trees in borders to reduce effect of Sun in younger gardens. Casuarina and Gliricidia are also being grown in borders to shade and as wind breaks.
Arecanut (General advise)	As summer season is going on severe scorching and stem breaking may be noticed and stem of those palms should be covered with fronds of Arecanut or Coconut.
Coconut (General advise – for new orchard establishment)	<ul style="list-style-type: none"> • Ensure the soil suitability by digging of a profile pit of 3 X 3 X 3 ft. • Observe the soil for presence of any calcareous nodules or sheet rock. If the lime nodules or sheet rock is present avoid such soils for taking up plantations. • Avoid water logging or ill drained soils. Collect soil sample for every one feet depth of soil from the suitable lands profile pit dug out. • Based on soil test report if the soil PH is 7.0 to 8.0 it is considered as suitable.
Coconut (Water management)	As the temperature is high farmers can irrigate palm @ of 35 litre/day/palm. Provide Mulching from crop debris or green manure crops around root zone to conserve moisture
Banana (General Advice)	<ul style="list-style-type: none"> • Banana cultivation operations include irrigation management, pest and disease control and intercultural practices like weeding and earthing up, along with potential foliar applications for nutrient deficiencies
Banana (Sigatoka leaf spot)	Spray 0.1% Propiconazole to control Sigatoka leaf spot, thoroughly covering both leaf surfaces, and add a wetting agent.
Banana (Nutrient management)	Continue with fertilizer application as per the crop's needs, considering the stage of growth. Apply fertilizers in splits (5-7 splits at 30-45 day intervals) for tissue culture plants due to their vigorous growth.
Banana (General Advice)	<ul style="list-style-type: none"> • 5 months After planting spray Banana special @5gm/ltr of water at an interval of 30days or one month.(For one sprayer spray solution add 1 lime and shampoo) • Banana should be irrigated at 04-05days interval in this summer • Bunch Treatment: To get good yield & quality bunches treat the bunch with 10 gram of Urea,10 gm of Potassium Sulphate & 0.5kg of cowdung should be mixed with 100ml of water & tie to end of bunch • Dried leaves should be removed from plants
Black Pepper (Water management)	As the temperature is high farmers can Mulch the root zone of a crop with dried leaves or crop residues to save the moisture or to avoid the loss of water from root zone. Farmers should irrigate the crop up to 20litre per day per vien.
Black Pepper (General Advice)	<ul style="list-style-type: none"> • Remove hanging shoots in older plants. • Cover the young vines so as to prevent drying. • Inspect and remove plants showingsymptoms of phyllody and stunt diseases (viral).
Black Pepper (General Advice)	Harvest the matured berries and processing can be done. Drying of berries can be done as temperature is high
Cashew (for new orchard establishment)	<ul style="list-style-type: none"> • Ensure the soil suitability by digging up a profile pit of 3 X 3 X 3 ft. Observe the soil for presence of any calcareous nodules or sheet rock. If the lime nodules or sheet rock is present avoid such soils for taking up plantations. • Avoid water logging and ill-drained soils and Black Cotton (BC) soils. Collect soil sample for every one foot depth of soil from the suitable lands profile

	<p>pit dug out. Based on soil test report, if the soil PH is 6.3 to 7.3 it is considered as suitable for cashew plantation. PH below 6.0 and above 8.0 shall be avoided.</p> <ul style="list-style-type: none"> •Soils and Irrigation water with Electrical Conductivity (EC) above 1.0 dsm and exchangeable sodium above 15 % shall be avoided
Cashew (Water management)	As the temperature is high farmers irrigate the plants at 5days interval regularly. Provide Mulching from crop debris or green manure crops around root zone to conserve moisture
Cashew (General Advice)	<ul style="list-style-type: none"> • Apply Bordeaux Paste on the trunk upto height of 30 to 45 cm. to avoid frequent incidence termites and any other fungal diseases. • Provide shade with palmary leaves to protect the growing plants from hot sun burn.
Mango (General advise)	Ensure regular irrigation through drip or atleast once in 5 days interval through basins irrigation,Soil working to create soil mulch.
Bhendi (General advise)	As the temperature is high farmers Irrigation should be done at regular interval and hand weeding should be done without fail.
Bhendi (Pinching)	Pinching after 1 feet height will enhance more number of side shoots

Animal Husbandry :

Cattle (General advise)	<ul style="list-style-type: none"> ✚ Shade and Shelter: Provide ample shade and shelter from the sun, using trees, thatched roofs, or other structures as the temperature is high. ✚ Water Availability: Ensure access to clean, cool water at all times, and consider using shaded water tanks or earthen pitchers. ✚ Ventilation: Improve ventilation in livestock sheds by using fans, creating barriers against hot winds, and ensuring adequate air circulation. ✚ Grazing Times:Limit grazing during the hottest part of the day and encourage grazing in the early morning or evening. <p>Storing Fodder: Livestock owners without irrigated land can cut and dry green grass for storage.</p> <p>Supplementing Feed: Consider supplementing animal feed with salt and flour in the water, or with other nutritious supplements.</p> <p>Vaccinations: Ensure that animals are vaccinated against common diseases like FMD, Haemorrhagic Septicaemia, and Black Quarter.</p> <p>Parasite Control: Parasites should be controlled to maintain livestock health</p> <p>Hygiene: Maintain a clean environment in livestock sheds and ensure proper hygiene practices during milking and other procedures.</p> <p>Disease Monitoring: Regularly monitor animals for signs of disease and seek veterinary assistance if needed</p>
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FISHERIES:

Fisheries (General Advise)	<ul style="list-style-type: none"> ✚ Preparing ponds for stocking, ensuring water quality, and managing brood stock for pre-spawning to ensure a successful breeding season. ✚ Weed and Pest Control: Remove aquatic weeds and control other pests like snails and insects. ✚ Dike and Structure Maintenance: Repair any damage to dikes and water control structures. ✚ Pond Cleaning: Clean the pond bottom of excessive mud and use it to fertilize your garden. ✚ Water Quality: Ensure good water quality by checking pH, dissolved oxygen levels, and other parameters. ✚ Nutrition: Provide brood stock with a balanced diet rich in essential amino acids
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and fatty acids during the pre-spawning phase (April to June) to ensure quality egg production.

✚ **Water Exchange:** Regularly exchange water to maintain water quality and prevent the buildup of harmful substances.

(This Agro Advisory Information is based on Weather forecast received from MC,Bengaluru & IMD,New Delhi)

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Block wise weather forecast for Dakshina Kannada District issued by IMD,New Delhi valid from 02.04.2025 to 06.04.2025

Weather forecast issued by IMD, New Delhi for Bantwala Block of Dakshina Kannada district valid from 02.04.2025 to 06.04.2025

Sl. No	Weather Parameters	Day-1 (02.04.2025)	Day-2 (03.04.2025)	Day-3 (04.04.2025)	Day-4 (05.04.2025)	Day-5 (06.04.2025)
1	Rainfall (mm)					
2	Max Temp (°C)					
3	Min Temp (°C)					
4	Cloud cover (Okta)					
5	Max. Relative Humidity (%)					
6	Min. Relative Humidity (%)					
7	Wind Speed (Kmph)					
8	Wind Direction (°)					
9	Forecast Warning	NIL	NIL	NIL	NIL	NIL
10	Chance of Occurrence (%)	DRY	DRY	DRY	DRY	DRY

Weather forecast issued by IMD, New Delhi for Belthangady Block of Dakshina Kannada district valid from 02.04.2025 to 06.04.2025

Sl. No	Weather Parameters	Day-1 (02.04.2025)	Day-2 (03.04.2025)	Day-3 (04.04.2025)	Day-4 (05.04.2025)	Day-5 (06.04.2025)
1	Rainfall (mm)					
2	Max Temp (°C)					
3	Min Temp (°C)					
4	Cloud cover (Okta)					
5	Max. Relative Humidity (%)					
6	Min. Relative Humidity (%)					
7	Wind Speed (Kmph)					
8	Wind Direction (°)					
9	Forecast Warning	NIL	NIL	NIL	NIL	NIL
10	Chance of Occurrence (%)	DRY	DRY	DRY	DRY	DRY

Weather forecast issued by IMD,New Delhi for Mangalore Block of Dakshina Kannada district valid from 02.04.2025 to 06.04.2025

Sl. No	Weather Parameters	Day-1 (02.04.2025)	Day-2 (03.04.2025)	Day-3 (04.04.2025)	Day-4 (05.04.2025)	Day-5 (06.04.2025)
1	Rainfall (mm)					
2	Max Temp (°C)					
3	Min Temp (°C)					
4	Cloud cover (Okta)					
5	Max. Relative Humidity (%)					
6	Min. Relative Humidity (%)					
7	Wind Speed (Kmph)					
8	Wind Direction (°)					
9	Forecast Warning	NIL	NIL	NIL	NIL	NIL
10	Chance of Occurrence (%)	DRY	DRY	DRY	DRY	DRY

Weather forecast issued by IMD,New Delhi for Putturu Block of Dakshina Kannada district valid from 02.04.2025 to 06.04.2025

Sl. No	Weather Parameters	Day-1 (02.04.2025)	Day-2 (03.04.2025)	Day-3 (04.04.2025)	Day-4 (05.04.2025)	Day-5 (06.04.2025)
1	Rainfall (mm)					

2	Max Temp (°C)					
3	Min Temp (°C)					
4	Cloud cover (Okta)					
5	Max. Relative Humidity (%)					
6	Min. Relative Humidity (%)					
7	Wind Speed (Kmph)					
8	Wind Direction (°)					
9	Forecast Warning	NIL	NIL	NIL	NIL	NIL
10	Chance of Occurrence (%)	DRY	DRY	DRY	DRY	DRY

Weather forecast issued by IMD, New Delhi for Sulya Block of Dakshina Kannada district valid from 02.04.2025 to 06.04.2025

Sl. No	Weather Parameters	Day-1 (02.04.2025)	Day-2 (03.04.2025)	Day-3 (04.04.2025)	Day-4 (05.04.2025)	Day-5 (06.04.2025)
1	Rainfall (mm)					
2	Max Temp (°C)					
3	Min Temp (°C)					
4	Cloud cover (Okta)					
5	Max. Relative Humidity (%)					
6	Min. Relative Humidity (%)					
7	Wind Speed (Kmph)					
8	Wind Direction (°)					
9	Forecast Warning	NIL	NIL	NIL	NIL	NIL
10	Chance of Occurrence (%)	DRY	DRY	DRY	DRY	DRY