



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 Udupi District, Karnataka)



Weather Forecast from 19.10.2022 to 23.10.2022

No. GKMSB/079/2022

Date: 18.10.2022

Weather Forecast Issued by the India Meteorological Department for Dakshina Kannada District for the coming five

days – until 0830 hrs of 19.10.2022 to 23.10.2022

Sl. No	Weather Parameters	Day-1 (19.10.2022)	Day-2 (20.10.2022)	Day-3 (21.10.2022)	Day-4 (22.10.2022)	Day-5 (23.10.2022)	Past Week Mean	Forecast Mean
1	Rainfall (mm)	15	14	23	10	22	29.6	84↑
2	Max Temp (°C)	32	33	33	33	32	31.0	33↑
3	Min Temp (°C)	22	22	23	22	22	22.9	22↓
4	Cloud cover (Okta)	8	7	6	7	7	6	7↑
5	Max. Relative Humidity (%)	97	96	96	93	94	90.2	95.2↑
6	Min. Relative Humidity (%)	72	66	62	55	52	71	61.4↓
7	Wind Speed (Kmph)	4	4	4	5	4	5.4	4↓
8	Wind Direction (°)	158	292	72	109	79	264	142↓
9	Forecast Warning	TSH	TSH	NIL	TSH	TSH		
10	Chance of Occurrence (%)	>50- ≤75%	>50- ≤75%	>50- ≤75%	>50- ≤75%	>50- ≤75%		

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 Normal from 23.10.2022 to 29.10.2022

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, **Cloudy weather associated thunderstorm with lightning a chance of Moderate rainfall in most places of district, is very likely to be expected for next five days.** The maximum temperature would be around **32-33°C** and minimum temperature would be around **22-23°C** to during next five days. The Morning Relative humidity (RH) would vary from **93-97 per cent**, Evening Relative humidity (RH) would vary from **52-72 per cent** and wind speed will be in the range of **4-5 km/hr.**

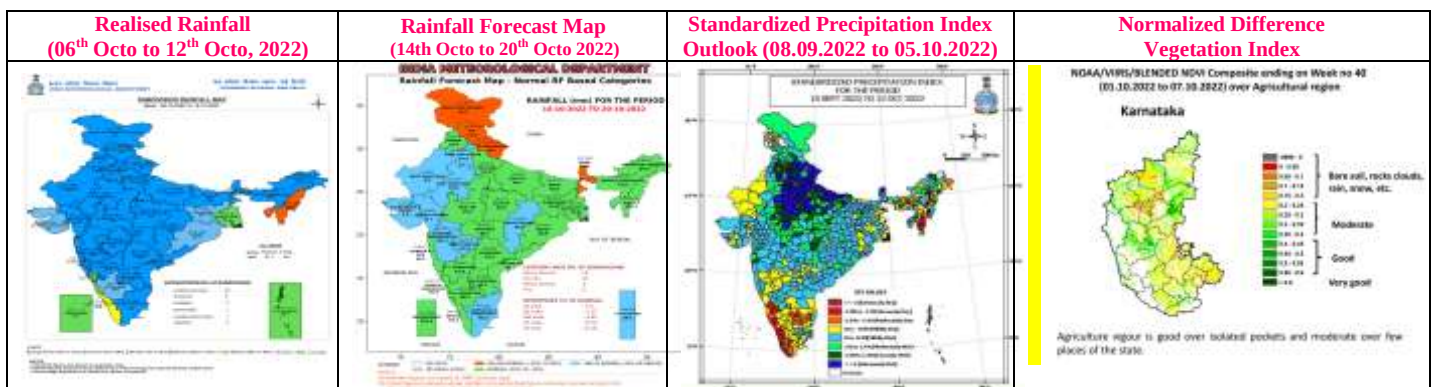
Mobile Applications developed by India Meteorological Department for the benefit of Farming Community

Farmers are suggested to download the app using below links

	Mausam:	Meghdoot:	Damini:
Andriod:	https://play.google.com/store/app/s/details?id=com.imd.masuam	https://play.google.com/store/apps/detail/s?id=com.aas.meghdoot	https://play.google.com/store/apps/detail/s?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

Decadal Rainfall (mm) Comparison:

Year	30 years Mean	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Rainfall	3790.4	3628.1	2984.2	3325.3	2816.3	2383.4	2827.1	3000	3381.2	4118.4	4110.8	4110.8	3448.9
Rainy days	110	128	105	127	112	107	119	121	112	123	126	152	111



Weather based Agromet Advisories for Dakshina Kannada District

Horticulture Crops :

General Advise	Farmers are advised to install Meghdoot, Mausam, Umang & Damini apps from mausam.imd.gov.in and be updated with weather events.
Cashew (Stem Borer) 	Clean the infected place. After cleaning fill the infected part with Chloropyriphos 4G or 10G granules mixed with sand.
Cashew (Fertilizer Management)	Apply fertilizer as per recommendation (1kg:1.2kg:0.4kg of NPK per Palm)
Coconut (Rhinoceros Beetle) 	- Collect and destroy the various stages of the beetle from the manure pits (breeding ground of the pest) whenever manure is lifted from the pits. - Incorporate the entomopathogen i.e, fungus (<i>Metarrhizium anisopliae</i>) in manure pits to check the perpetuation of the pest. - Examine the crowns of tree at every harvest and hook out and kill the adults. - Apply mixture of either phorate 10 G + sand (1:2) @150 g per palm or Chlorpyrifos 10 G + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown. - Place Chlorpyrifos 10 G 5gm in perforated sachets in two inner most leaf axils for 25-30 days once. - Set up one Rhinolure pheromone trap for half hectare area to trap and kill the beetles.
Coconut (Stem Bleeding) 	Scrape the infected part of stem then smear with 10% Bordo paste or Drench with Blitox @ 8-10gm/100 ml of water or Hexaconazole @ 2ml/ltr (8-10 ltr per tree)
Coconut (Fertilizer Management)	Farmers can apply fertilizer (330gm:200gm:800gm of NPK/Palm) & Farm yard Manure 25kg/palm or Compost @ 50kg palm.
Banana (Planting)	Time is suitable for Banana planting. Prepare the land by 2-3 times harrowing followed by cultivator. Open the pits with spacing of 1.8x1.8 mtr, (3,086 pits per hectare) per Cavendish & 2.2x1.8 mtr (2,250 pits per hectare) for robust cultivators. Open the pits with size of 45 X45 X45 cm. with above recommended spacing and applying well mixed FYM/ compost and top soil.
Banana (General Advice)	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) - 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
Jasmine (Leaf Spot) 	For the Management of leaf spot disease, spray with Hexaconazole @ 1ml/litre of water.
Papaya (Foot rot)	1x1 feet trench should be opened to ensure proper drainage. - Spray followed by drenching with Metalaxyl + Mancozeb at 2gm per litre of water.
Black Pepper (Slow wilt)	As a precautionary measure go for pruning of severely affected leaves and destroy them followed by application of FYM enriched with neem cake or FYM enriched with Sahayadri Trishool or Drenching or spraying with 2gm of Metalaxyl+Mancozeb or spray 1% Bordo to vien.

Black Pepper (General advise)	• Spray with IISR pepper special @ 5gram/ litre to get good yield.
--	---

Cereals and Pulses :

Paddy (General Advise)	• Farmers can harvest short duration varieties
(Gandhi Bug)	• If noticed spray Malathion 50EC @ 2ml/ltr from inward direction.
(Agronomic Advice)	• After the harvest of paddy farmers can go for sowing of Dicot crops like Black gram, Green gram & Beans in the residual moisture.

Animal Husbandry :

Livestock	Animals should be vaccinated against foot mouth disease, Black Quarter, Enterotoxina. Balanced food should be given to animals to avoid Acidiosis & dysentery.
------------------	--

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

Mr. Praveen K.M ,
Technical Officer, GKMS,
ZAHS, Brahmavar, Udupi.

Dr. K.V. Sudhir Kamath ,
Nodal Officer, GKMS ,
ZAHS, Brahmavar, Udupi.