



# 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 12.08.2023 to 16.08.2023

**No. GKMSB/058/2023**

**Date: 11.08.2023**

**Weather Forecast Issued by the India Meteorological Department for Dakshina Kannada District for the coming five days – until 0830 hrs of 12.08.2023 to 16.08.2023**

Sl. No	Weather Parameters	Day-1 (12.08.2023)	Day-2 (13.08.2023)	Day-3 (14.08.2023)	Day-4 (15.08.2023)	Day-5 (16.08.2023)	Past Week Mean	Forecast Mean
1	Rainfall (mm)	2	1	1	1	1	27.9	6↓
2	Max Temp (°C)	29	29	29	29	29	29.4	29↓
3	Min Temp (°C)	24	24	24	24	24	21.2	24↑
4	Cloud cover (Okta)	7	7	7	7	7	6	7↑
5	Max. Relative Humidity (%)	88	88	88	88	88	95	88↓
6	Min. Relative Humidity (%)	69	69	69	69	69	82.4	69↓
7	Wind Speed (Kmph)	2	2	3	2	2	5	2.2↓
8	Wind Direction (°)	292	288	292	117	248	154	247↑
9	Forecast Warning	ISL	ISL	ISL	ISL	ISL		
10	Chance of Occurrence (%)	50-75	25-50	25-50	25-50	25-50		

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 16.08.2023 to 22.08.2023

### 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, **Partly Cloudy weather associated with a chance of LIGHT TO VERY LIGHT rainfall in Isolated places of district, is Unlikely to be expected for next five days.** The maximum temperature would be around **29°C** and minimum temperature would be around **24°C** to during next five days. The Morning Relative humidity (RH) would vary from **88 per cent**, Evening Relative humidity (RH) would vary from **69 per cent** and wind speed will be in the range of **2-3 km/hr.**

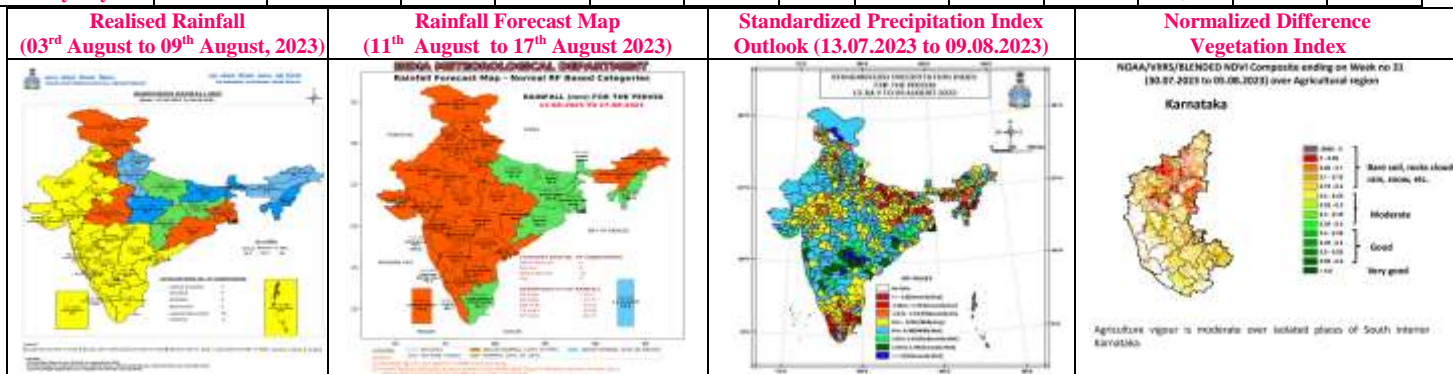
**Mobile Applications developed by India Meteorological Department for the benefit of Farming Community**

**Farmers are suggested to download the app using below links**

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

#### Decadal Rainfall (mm) Comparison:

Year	30 years Mean	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Rainfall</b>	<b>3792.9</b>	<b>2984.2</b>	<b>3325.3</b>	<b>2816.3</b>	<b>2383.4</b>	<b>2827.1</b>	<b>3000</b>	<b>3381.2</b>	<b>4118.4</b>	<b>4110.8</b>	<b>4110.8</b>	<b>3879.9</b>	<b>2185.0</b>
<b>Rainy days</b>	<b>110</b>	<b>105</b>	<b>127</b>	<b>112</b>	<b>107</b>	<b>119</b>	<b>121</b>	<b>112</b>	<b>123</b>	<b>126</b>	<b>152</b>	<b>125</b>	<b>57</b>



## Weather based Agromet Advisories for Dakshina Kannada District

### Horticulture Crops :

<b>Crop</b>	<b>Operations/ Agromet Advisories</b>
<b>Arecanut (Planting)</b>	<ul style="list-style-type: none"> <li>• Time is suitable for planting of new arecanut gardens at higher places/hilly areas. 2x2 feet deep pits is best for planting. Apply top soil and 20 kg of well decomposed organic manure in the pit and properly plant the arecanut seedlings.</li> <li>• 9x9 feet distance is desirable between the plants for proper aeration. Provide 1½ feet trench should be opened to ensure proper drainage and aeration.</li> </ul>
<b>Arecanut (Nutrient Management)</b>	Farmers can apply 250-300 grams of Agricultural lime to Arecanut palm(Above 6years) 15 days prior to the application of recommended dose of Chemical fertilizers.
<b>Coconut (Planting)</b>	<ul style="list-style-type: none"> <li>• Time is suitable for planting of new arecanut gardens at higher places/hilly areas.</li> <li>• Add FYM, top soil and 20gram phorate mixture into it.</li> <li>• Select healthy plants and plant it in the centre of the pit. Staking is done for plants.</li> <li>• Care should be taken for excess storage of water under plants in heavy rainfall areas.</li> </ul>
<b>Coconut (Nutrient Management)</b>	Farmers can apply 2k.g of Agricultural lime to Coconut palm(Above 6years) 15-20 days prior to the application of recommended dose of Chemical fertilizers.
<b>Coconut (Rhinoceros Beetle)</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Incorporate the entomopathogen i.e, fungus (<i>Metarrhizium anisopliae</i>) in manure pits to check the perpetuation of the pest.</li> <li>• Examine the crowns of tree at every harvest and hook out and kill the adults.</li> <li>• Apply mixture of either phorate 10 G + sand (1:2) @150 g per palm or phorate 10 G + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.</li> <li>• Place Phorate 10 G 5gm in perforated sachets in two inner most leaf axils for 2 times at 6 months intervals.</li> <li>• Set up one Rhinolure pheromone trap for half hectare area to trap and kill the beetles.</li> </ul>
<b>Coconut (Stem Bleeding)</b>	To manage stem bleeding scrape the stem portion & paste it with 1% Bordeaux paste or drench it with Hexaconazole @ 2ml/ltr (3litre per palm) & apply 5kg of Neem cake per palm.
<b>Cashew (Leaf Rot)</b>	<ul style="list-style-type: none"> <li>• To manage leaf rot farmers can spray Copper oxychloride @ 3gm per litre.</li> </ul>
<b>Cashew (Nutrient Management)</b>	<ul style="list-style-type: none"> <li>• Farmers can apply lime @ 200 kg per acre 15 days prior to Fertilizer application.</li> <li>• Farmers can apply 60:60:60 gm of NPK, 125:125:125 gm of NPK, 250:125:125 gm of NPK, 500:125:125 gm of NPK and 500:250:250 gm of NPK/plant for 1<sup>st</sup> year, 2<sup>nd</sup> year, 3<sup>rd</sup> Year, 4<sup>th</sup> to 8<sup>th</sup> year and Above 9<sup>th</sup> year plants respectively.</li> </ul>
<b>Jasmine (Leaf Spot)</b>	For control of this disease, spray with Hexaconazole @ 1ml/litre of water.
<b>Jasmine (General advise)</b>	<ul style="list-style-type: none"> <li>• Farmers usually make the basin near the trunk/root zone in summer to enhance water availability. But in rainy season that ring/basin should be filled with soil to avoid water stagnation near the trunk / root zone.</li> <li>• Continuous water stagnation in this zone leads to Wilt disease.</li> </ul>
<b>Horticultural crops (General advise)</b>	Farmers can make sure that the water logging condition due to heavy rainfall should not happen in orchards that may lead to various types of diseases. So farmers can make drainage facilities wherever it is required.

### Cereals and Pulses :

<b>Paddy (Weed management)</b>	<ul style="list-style-type: none"> <li>• At 3-5 days of transplanting, go for application of 80g Pyrazosulfuron Ethyl 10WP well mixed with 10Kg of moist sand.</li> <li>• 3-4 days after transplantation farmers can apply pre emergent herbicides like Pendimithalin 38.7CS (3ml of herbicide per litre of water per acre) or Spray 8gm of Metsulfuron Methyl + Chlorimuron Ethyl per acre (8gm of herbicide dissolved in 100-120 litre of Water)</li> <li>• At 15-20 days of transplanting, go for application of early post emergent herbicide Bispyriback Sodium 10% SC@ 0.4ml/ litre (Caution: If weeds are at 2-4 leaf stage herbicide</li> </ul>
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	will be more effective) <ul style="list-style-type: none"> <li>• At 15-20 days of transplanting, go for application of post emergent herbicide 2,4D sodium salt for broad leaves weeds @ 4gram/ litre (Caution: Per one acre spray solution should be 120-150 litre.)</li> </ul>
<b>Paddy (First Top dress)</b>	First top dressing of paddy crop at 25-30 days after planting, go for weeding followed by top dressing of 17.5 kg of Urea and 13.5kg MOP per acre.

**Animal Husbandry :**

<b>Cattle (General advise)</b>	<ul style="list-style-type: none"> <li>➤ Maintaining hygiene in sheds will help to combat FMD.</li> <li>➤ Time is suitable to overcome Foot &amp; mouth disease (FMD) in cattles.</li> <li>➤ Avoid tying animals under tree or in any exposed area during lightning and thunderstorm</li> <li>➤ Vaccinate the animals for Hemorrhagic septicaemia (HS) and Black quarter during June months.</li> <li>➤ Farmers can plant perennial fodder grasses</li> <li>➤ Farmers can provide additional supplements with food</li> </ul>
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**(This Agro Advisory Information is based on Weather forecast received from MC, Bengaluru & IMD,New Delhi)**

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