



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: 20.06.2023

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru urban district.

Significant past weather for the preceding week

Parameter	16.06.2023	17.06.2023	18.06.2023	19.06.2023	20.06.2023
Rainfall (mm)	0	0	0	0	4.6
Max. temp(°C)	31.6	32.0	31.2	30.0	29.2
Min.Temp(°C)	19.8	21.0	20.8	18.6	18.8
Sky condition(Octas)	2	2	4	4	4
Relative humidity(%) 0830 hours	71	80	85	74	63
Relative humidity(%) 1730 hours	44	49	48	83	--
Wind Speed (kmph)	6.8	6.2	8.8	6.3	4.2
Wind Direction	230	320	7.0	4.0	4.0

Weather forecast (Valid from 21-06-2023 to 25-06-2023)

Forecast summary:

Parameters	21.06.2023	22.06.2023	23.06.2023	24.06.2023	25.06.2023
Rainfall (mm)	9	8	6	7	8
Max Temp Trend (°C)	28	28	28	28	27
Min Temp Trend (°C)	21	20	20	20	20
Total cloud cover (octa)	7	7	7	7	4
Relative humidity (%)Max	96	96	98	98	98
Relative humidity (%)Min	67	67	69	69	69
Wind speed(Km/hr)	6	6	7	8	7
Wind Direction (Degrees)	270	252	270	257	249

Light to moderate rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 27.0-28.0°C and Minimum of 20.0-21.0°C. Relative humidity 96-98 % during morning hrs and 67-69 % during noon is expected. Wind speed is 6-8 km/hr.

Weather Based Agro Advisories

Crop information and Crop Stages of the major Kharif/Rabi crops

District	Kharif crops				Horticulture crops	
Bangalore Urban (BU)	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
	S,G	S,G	-	S,G	-	M,H

G: Germination, S: Sowing, EV: Early vegetative, VG: Vegetative growth, TR: Transplanting, PI: Peg initiation, FLI: Flag leaf initiation, F: Flowering, PF: Pod formation, PM: Pod Maturity, T: Tilling, Ts: Taselling, E: Ear head emergence, GF: Grain filling, H: Harvesting, IBI: Inflorescence Bud initiation, PP(V): Pod Picking Vegetable, F& FS: Flowering to fruit setting, FD: Fruit Development, H: Harvesting, M: Maturation, B: Branching

Agromet Advisory:

Crop/ Component	Stage/ Condition	Pest and Disease	Agro advisories
General			<ul style="list-style-type: none"> Aaridhra rainstar starts from June 22nd and remains upto July 5th. The normal rainfall of Aaridhra rainstar is 20.0 mm. Farmers are advised to take up Ploughing or passing the cultivator in the areas where rainfall received and it should be taken up across the slope, it improves infiltration and conservation of rain

		<p>water but also avoids soil erosion.</p> <ul style="list-style-type: none"> • The farmers are procure good quality of seeds and fertilizers. Take up the germination test for Kharif sowing. • Take up land preparation and strengthen the bund with fodder grass which will facilitate conservation of rainwater due to pre-monsoon showers. Ploughing across the slope will make insitu soil moisture conservation • Time for application tank silt to increase soil fertility.
Kharif crops	Sowing and Germination stage	<p>The following crops are suggested for sowing.</p> <p>Under mono cropping the long duration crops: Redgram : TTB-7, BRG-1,2,4&5 Castor: DCS-9 (Jyothi), DCH-177&32</p> <p>Maize: Ganga-11, Deccan -103, Vijaya composite, Composite NAC-6004,6002, Hybrid-Nityashree (NAH-2049)</p> <p>Under double cropping the medium to short duration crops: Groundnut : TMV-2, JL-24, KCG-6 Cowpea: TVX-944, KBC-1, Green gram: PS-16, PDM-84,178 Black gram: Karagao-3, T-9, Rashmi(LBG-625).</p> <ul style="list-style-type: none"> • Redgram seeds treat with Carbendazim or Thiram @ 2 g/kg of seed 24 hours before sowing (or) with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed (or) <i>Pseudomonas fluorescens</i> @ 10 g/kg seed and <i>Rhizobium</i> @ 10 g/kg of seed .
Horticulture crop		
Mango		<ul style="list-style-type: none"> ➤ Deep ploughing is recommended in mango orchard. Rainwater harvesting through opening circular trenches around the tree at a distance of 6 feet and width at 9 inches, as well as depth and mulching the trenches with dry mango and green leaf manuring helps in retaining sufficient soil moisture in soil. ➤ Apply recommended dose of fertilizer in June month. ➤ Recommended for pruning of dried twigs and branches done in June-July month to facilitate the sunlight to bear the more fruits in next seasons.
Animal Husbandry		
Dairy		<ol style="list-style-type: none"> 1. Vaccinate the cow against the Black quarter disease. It is a bacterial disease caused by <i>Clostridium chauvoei</i> 2. Feeding cow containing about 17 per cent dietary fiber in the animal feed are also helpful to increase fat percentage in milk. Concentrate mixture should comprise grains (40 per cent), oil cakes (32 per cent), brans (25per cent), mineral mixture (2 per cent) and common salt (1 per cent).
Sericulture		
1. Maintain the optimum room temperature in Sericulture unit.		

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Bengaluru**

Important Note: Farmers are informed to use the APPs & Videos related to Weather information: MEGHDOOT, MAUSAM AND DAMINI APPS. This information is available in the website: mausam.imd.gov.in