



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **11.07.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru urban district.

Significant past weather for the preceding week

Parameter	07.07.2023	08.07.2023	09.07.2023	10.07.2023	11.07.2023
Rainfall (mm)	0	3.6	3.6	0.8	15.8
Max. temp(°C)	30.0	30.4	29.2	30.0	28.0
Min.Temp(°C)	20.2	19.8	19.0	20.2	20.0
Sky condition(Octas)	4	4	4	4	4
Relative humidity(%) 0830 hours	73	78	90	76	88
Relative humidity(%) 1730 hours	50	60	48	62	--
Wind Speed (kmph)	9.3	6.8	5.4	4.0	3.3
Wind Direction	230	230	230	230	230

Weather forecast (Valid from 12-07-2023 to 16-07-2023)

Forecast summary:

Parameters	12.07.2023	13.07.2023	14.07.2023	15.07.2023	16.07.2023
Rainfall (mm)	4	4	4	4	3
Max Temp Trend (°C)	28	28	28	28	28
Min Temp Trend (°C)	20	20	20	20	20
Total cloud cover (octa)	8	8	7	8	8
Relative humidity (%)Max	90	90	92	92	92
Relative humidity (%)Min	89	89	91	91	91
Wind speed(Km/hr)	8	7	8	8	7
Wind Direction (Degrees)	249	249	249	252	252

Light rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 28.0°C and Minimum of 20.0°C. Relative humidity 90-92% during morning hrs and 89-91 % during noon is expected. Wind speed is 7-8 km/hr.

Weather Based Agro Advisories

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

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

G: Germination, S: Sowing, EV: Early vegetative, VG: Vegetative growth, TR: Tranplanting, PI: Peg initiation, FLI: Flag leaf initiation, F: Flowering, PF: Pod formation, PM: Pod Maturity, T: Tillering,, 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"> Punarusu rainstar starts from July 6th and remains upto July 19th . The normal rainfall of Punarusu rainstar is 48.3 mm. Agro forestry on the bund involving <i>Melia dubia</i> (Hebbevu), Silver oak and Causurina is recommended for sustainable income under abnormal extreme rainfall events .

		<ul style="list-style-type: none"> • 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 water but also avoids soil erosion. • 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, Germination and Early vegetative 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 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 . • Wherever, the long duration crops like Redgram, and Castor has been sown, undertake earthing up operation in addition to the above agronomic measures. Earthing up makes a better availability of soil moisture to the crop rows through conversion of the land into ridges and furrow system. • Wherever over population of crop plants is existing, undertake thinning operation for better availability of scarce soil moisture to the reduced population of crop plants. • Due to high humidity (warm and humid weather) possibility of pest and disease build up is more in already sown crop. Take prophylactic measures depending on the crop.
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. ➤ 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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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