



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
GRAMIN KRISHI MAUSAM SEWA(GKMS)
AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

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Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Significant past weather for the preceding week

Parameter	27.6.2022	28.6.2022	29.6.2022	30.6.2022	01.7.2022
Rainfall (mm)	0	0	0	1.0	0
Max. temp(°C)	28.2	27.0	27.4	29.2	27.6
Min.Temp(°C)	18.6	18.4	19.0	18.4	18.2
Sky condition(Octas)	6	3	3	3	6
Relative humidity(%) 0830 hours	86	89	86	88	88
Relative humidity(%) 1730 hours	63	62	52	60	...
Wind Speed (kmph)	8.5	6.6	6.4	5.2	7.2
Wind Direction	230	230	230	230	230

Weather forecast (Valid from 02-07-2022 to 07-07-2022)

Forecast summary:

Parameters	02.7.2022	03.7.2022	04.7.2022	05.7.2022	06.7.2022
Rainfall (mm)	11	12	14	11	12
Max Temp Trend (°C)	28	28	28	28	28
Min Temp Trend (°C)	20	20	20	20	20
Total cloud cover (octa)	7	7	7	7	7
Relative humidity (%)Max	91	91	93	93	93
Relative humidity (%)Min	81	81	83	83	83
Wind speed(Km/hr)	5	5	5	6	6
Wind Direction (Degrees)	292	291	283	249	257

Light to moderate rain is forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 28.0°C and Minimum of 20.0°C. Relative humidity 91-93 % during morning hrs and 81-83 % during noon is expected. Wind speed is 5-6 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	S,G	--	S,G	-	H

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			1. Aaridra rainstar starts from June 22 nd and remains upto July 5 th .

		<p>The normal rainfall of Aaridra rainstar is 20.0 mm.</p> <ol style="list-style-type: none"> 2. 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 . 3. The farmers are advised to procure good quality seeds and fertilizers. 4. 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.
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). 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 .</p> <ol style="list-style-type: none"> 1. 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. 2. 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.
Horticulture crop		
Mango		<ol style="list-style-type: none"> 1. 1-2 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. 2. Apply recommended dose of fertilizer in June-July month. 3. 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.
Sericulture		
		<ol style="list-style-type: none"> 1. Maintain the optimum room temperature in Sericulture unit.
Dairy		<ol style="list-style-type: none"> 1. Vaccinate the cow against the Black quarter disease 2. It is a bacterial disease caused by <i>Clostridium chauvoei</i>

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