



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **20.01.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru urban district.

Significant past weather for the preceding week

Parameter	16.01.2023	17.01.2023	18.01.2023	19.01.2023	20.01.2023
Rainfall (mm)	0	0	0	0	0
Max. temp(°C)	28.4	28.4	28.2	27.4	26.8
Min.Temp(°C)	10.0	9.6	13.4	14.0	11.4
Sky condition(Octas)	0	0	3	0	0
Relative humidity(%) 0830 hours	77	84	79	82	81
Relative humidity(%) 1730 hours	46	49	50	52	--
Wind Speed (kmph)	6.5	3.1	3.9	5.7	4.3
Wind Direction	90	90	90	90	90

Weather forecast (Valid from 21-01-2023 to 25-01-2023)

Forecast summary:

Parameters	21.01.2023	22.01.2023	23.01.2023	24.01.2023	25.01.2023
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	29	29	30	30	30
Min Temp Trend (°C)	14	14	14	15	15
Total cloud cover (octa)	2	2	1	2	2
Relative humidity (%)Max	85	87	87	90	90
Relative humidity (%)Min	24	22	22	26	26
Wind speed(Km/hr)	7	5	6	7	8
Wind Direction (Degrees)	111	103	112	112	112

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 29.0-30.0°C and Minimum of 14.0-15.0°C. Relative humidity 85-90 % during morning hrs and 22-26 % during noon is expected. Wind speed is 5-8 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
	--	H	-	-	-	IBI, F

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"> Provide one protective irrigation to standing rabi crops. Advised for harvested Kharif crops winnowing, cleaning, drying and storage in dry gunny bag. The grains of the harvested crops should be properly dried by retaining moisture percentage of Cereals 11-12 %, Pulses-9%, Oilseeds-8% and Vegetable seeds 5-6% for long storage & also

		<p>minimize the store pest damage.</p> <ul style="list-style-type: none"> To protect the pulse grains from storage pests apply oils of Castor/ linseed/honge/ neem oil @ 3-5 ml per kg of grains.
Pigeon pea	Harvesting	<ol style="list-style-type: none"> Right time for harvesting crop. Advised for harvested crops cleaning, drying and storage in dry gunny bag. Dry the harvested produce properly.
Finger millet	Harvesting	<ol style="list-style-type: none"> Advised for harvested crops cleaning, drying and storage in dry gunny bag. Dry the harvested produce properly.
Horticulture crop		
Mango	Flowering	<ol style="list-style-type: none"> Sudden drop in minimum temperature is observed in Mango it will affect the floral induction, spray pacloburtrazol as plant growth retardant which restrict the vegetative growth. Leaf hopper and Powdery mildew disease incidence is more before flowering and immediately after fruit formation, manage this by spraying Carbaryl, 50WP @4g/litre of water or Imidachlorprid @ 0.3ml/ litre of water for management of leaf hopper. Spray Lamda Cyhalothrin 5EC @ 0.5 ml/ litre of water or sulphur dust (SULTAF) 80 W @3g/litre of water against the Powdery mildew diseases. If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water.
Animal Husbandry		
<ol style="list-style-type: none"> Foot and mouth diseases: This is a highly infectious viral disease of farm animals. Regular vaccination of farm animals for control of FMD in the month of January. Separation of affected animals from other animals. Mouth and feet of the affected animals should be washed with 1% potassium permanganate (KMnO₄) antiseptic mouth wash 3-4 times a day. Disinfection of floors, premises and all infected materials by using Sodium hydroxide (2%), sodium carbonate (4%) and citric acid (0.2%) is advisable. To protect animals from a sudden drop in temperature, keep the animals in a covered shed/area during the night. The bedding/hay in the animal sheds must be kept dry and changed/aired every day. Due care should be taken to store/procure fodder for periods of shortage that may occur during the winter months in certain areas. Perennial grasses must be cut at this time. 		
Poultry		
<ol style="list-style-type: none"> Provide artificial brooding to chicks to maintain adequate temperature. Care should be taken to prevent the chicks from being exposed to wind chill. Sides should be covered with curtains during cool hours of the day. Wet litter material should be removed regularly Ensure proper cross ventilation to avoid ammonia accumulation 		

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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