



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **05.01.2024**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru urban district.

Significant past weather for the preceding week

Parameter	01.01.2024	02.01.2024	03.01.2024	04.01.2024	05.01.2024
Rainfall (mm)	0	0	0	0	0
Max. temp(°C)	28.4	29.0	29.8	29.0	27.8
Min.Temp(°C)	17.8	18.2	18.4	18.0	18.2
Sky condition(Octas)	2	0	0	4	2
Relative humidity(%) 0830 hours	90	83	84	81	79
Relative humidity(%) 1730 hours	51	50	53	49	59
Wind Speed (kmph)	6.2	6.2	7.8	7.0	6.7
Wind Direction	140	90	140	140	140

Weather forecast (Valid from 06-01-2024 to 10-01-2024)

Forecast summary:

Parameters	06.01.2024	07.01.2024	08.01.2024	09.01.2024	10.01.2024
Rainfall (mm)	1	1	1	1	0
Max Temp Trend (°C)	28	28	28	27	28
Min Temp Trend (°C)	17	18	18	19	16
Total cloud cover (octa)	5	4	7	6	4
Relative humidity (%)Max	96	92	91	88	91
Relative humidity (%)Min	76	55	69	69	62
Wind speed(Km/hr)	12	15	16	19	16
Wind Direction (Degrees)	112	112	77	112	112

Light rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 27.0-28.0°C and Minimum of 16.0-19.0°C. Relative humidity 88-96 % during morning hrs and 55-76 % during noon is expected. Wind speed is 12-19 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)	--	H	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"> • 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 minimize the store pest damage. • 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"> 1. Right time for harvesting crop. 2. Advised for harvested crops cleaning, drying and storage in dry gunny bag. 3. Dry the harvested produce properly.
Maize	Harvesting		<ol style="list-style-type: none"> 1. Dry the harvested produce properly.
Finger millet	Harvesting		<ol style="list-style-type: none"> 1. Crop can be harvested by picking earheads 2. Mechanical harvesting is possible in non lodged crops. 3. Advised for harvested crops cleaning, drying and storage in dry gunny bag. 4. Dry the harvested produce properly.
Horticulture crop			
Mango	Flowering		<ol style="list-style-type: none"> 1. Sudden drop in minimum temperature is observed in Mango it will be affects the floral induction and spray pacloburtrazol as plant growth retardant which restrict the vegetative growth. 2. Leaf hopper and Powdery mildew disease incidence is more before flowering and immediately after fruit formation to manage spraying of Carbaryl, 50WP @4g/litre of water or Imidachlorprid @ 0.3ml/ litre of water for management of leaf hopper. 3. 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. 4. 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"> 1. 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. 2. 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.
Sericulture			
			<ol style="list-style-type: none"> 1. White muscardine: caused by <i>Beauveria bassiana</i> , 2. Manage the humidity in the rearing house by providing good cross-ventilation. Dust dry slaked lime powder when silkworms settle for moult. 3. If the silkworm rearing house temperature falls below 22°C, raise it using room heater / charcoal stove. 4. Collect muscardine affected larvae from the rearing bed before mummification, dust antimuscardine bed disinfectant and finally burn them. Do not throw them on the street or feed to animals / birds. 5. Dust Vijetha and Vijetha Supplement or Ankush bed disinfectant as per recommended schedule or dust any recommended anti-muscardine bed disinfectant

	as per the schedule.
Poultry	
	<ol style="list-style-type: none">1. Provide artificial brooding to chicks to maintain adequate temperature.2. Care should be taken to prevent the chicks from being exposed to wind chill.3. Sides should be covered with curtains during cool hours of the day.4. Wet litter material should be removed regularly5. Ensure proper cross ventilation to avoid ammonia accumulation

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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