UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU

AGROMET-ADVISORY BULLETIN

Date: **03.01.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru urban district.

Significant past weather for the preceding week

Parameter	30.12.2022	31.12.2022	01.01.2023	02.01.2023	03.01.2023
Rainfall (mm)	0	0	0	0	0
Max. temp(°C)	27.4	27.0	26.8	27.2	26.2
Min.Temp(°C)	14.0	14.8	15.0	14.8	14.0
Sky condition(Octas)	0	2	0	2	2
Relative humidity(%) 0830 hours	87	98	85	89	79
Relative humidity(%) 1730 hours	55	55	50	56	--
Wind Speed (kmph)	3.4	3.1	3.2	3.7	4.1
Wind Direction	90	90	90	90	90

Weather forecast (Valid from 07-01-2023 to 08-01-2023)

Forecast summary:

Parameters	04.01.2023	05.01.2023	06.01.2023	07.01.2023	08.01.2023
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (^{o}C)	28	28	27	27	26
Min Temp Trend (^{o}C)	16	16	15	15	14
Total cloud cover (octa)	1	2	1	2	1
Relative humidity (%)Max	88	88	88	90	90
Relative humidity (%)Min	40	40	40	42	42
Wind speed(Km/hr)	7	7	7	8	8
Wind Direction (Degrees)	103	90	68	68	68

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 26.0-28.0^{o}C and Minimum of 14.0-16.0^{o}C. Relative humidity 88-90 % during morning hrs and 40-42 % 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*	
Bangalore Urban (BU)	**Groundnut**	**Redgram**	**Finger millet**	**Maize**	**Grape**	**Mango**
	--	**H**	**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		• 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	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	1. Dry the harvested produce properly.	
Finger millet	Harvesting	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	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			
	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			
	1. White muscardine: caused by *Beauveria bassiana* , 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 22ºC, 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	
	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 regularly **5.** 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*