UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU

AGROMET-ADVISORY BULLETIN

Date: **28.03.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru urban district.

Significant past weather for the preceding week

Parameter	24.03.2023	25.03.2023	26.03.2023	27.03.2023	28.03.2023
Rainfall (mm)	0	0	0	0	0
Max. temp(°C)	32.8	33.4	30.6	31.8	32.8
Min.Temp(°C)	20.4	22.0	20.2	20.6	19.8
Sky condition(Octas)	2	2	0	0	0
Relative humidity(%) 0830 hours	80	74	82	79	82
Relative humidity(%) 1730 hours	38	39	41	41	--
Wind Speed (kmph)	3.3	4.4	3.3	3.6	3.3
Wind Direction	230	230	90	90	45

Weather forecast (Valid from 29-03-2023 to 02-04-2023)

Forecast summary:

Parameters	29.03.2023	30.03.2023	31.03.2023	01.04.2023	02.04.2023
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (^{o}C)	32	33	33	32	32
Min Temp Trend (^{o}C)	16	17	17	18	18
Total cloud cover (octa)	0	0	0	0	0
Relative humidity (%)Max	49	49	51	51	51
Relative humidity (%)Min	22	22	24	24	24
Wind speed(Km/hr)	8	8	7	8	7
Wind Direction (Degrees)	103	112	112	77	77

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 32.0-33.0^{o}C and Minimum of 16.0-18.0^{o}C. Relative humidity 49-51 % during morning hrs and 22-24 % 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)	--	--	-	-	-	F&FS

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			• Remove the half cutted stubbles of pigeon pea from their fields. This will avoid multiplication and spreading of sterility mosaic disease. • Advised to take up winnowing, cleaning, drying and storing in dry gunny bags of harvested Kharif crops.

		• 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. Harvested crops are cleaned, dried and stored in dry gunny bags.
Horticulture crop		
Mango	Flowering, Fruit development stage	1. Fruit drop can be controlled by spraying Naphthalene acetic acid (NAA) @ 20 ppm twice at an interval of 15 days during the early stage (peanut stage/marble stage) of fruit development stage. 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. 1. If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water.
Animal Husbandry		
Livestock management during summer: ❖ Apply 4-6 inch thick thatch as a roofing material. Water can be used for spraying the floor and roof of shelter ❖ Periodically water spray during peak hot hours lowers the temperature and consequently reduces the heat load on animals ❖ Proper ventilation should be maintained for free circulation of air in the sheds ❖ Clean drinking water be provided to animals and water troughs should be regularly cleaned ❖ Drinking water of 60 lts. of water/day/animal is required. 1. Animals may be allow for grazing early in morning or later in evening.		

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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*