AGROMET-ADVISORY BULLETIN   Date: **28.07.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru Rural district.
Weather forecast (Valid from 29-07-2023 to 02-08-2023)

Forecast summary:

Parameters	29.07.2023	30.07.2023	31.07.2023	01.08.2023	02.08.2023
Rainfall (mm)	3	2	1	2	1
Max Temp Trend (^{o}C)	27	29	29	29	29
Min Temp Trend (^{o}C)	20	20	20	20	20
Total cloud cover (octa)	7	6	5	7	8
Relative humidity (%)Max	88	88	87	87	87
Relative humidity (%)Min	70	70	68	68	68
Wind speed(Km/hr)	5	4	4	4	5
Wind Direction (Degrees)	288	292	291	291	288

Light rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 27.0-29.0^{o}C and Minimum of 20.0^{o}C. Relative Humidity 87-88 % during morning hrs and 68-70 % during noon is expected. Wind speed is 4-5 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 Rural (BR)	V,F	EV,V	S,G	EV,V	-	-

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, **CI:** Cob Initiation

Agromet Advisory:

Crop/ Component	Stage/ Condition	Pest and Disease	Agro advisories
General			• Pushya rainstar starts from July 20th and remains up to August 02nd. The normal rainfall of Pushya rainstar is 56.4 mm. • Continue sowing operation due to sufficient soil moisture available in crop fields. • Due to high humidity (warm and humid weather) possibility of pest and disease build up is more in already sown crop. Take prophylactic measures depending on the crop. • Wind speed is high; postpone the spraying operation in Agriculture and Horticultural crops. • Wind speed is high, provide staking support to Banana and vegetable crop to protect from uprooting of crops.
Kharif crops	Sowing, Germination and Early vegetative, Vegetative stage		The following crops are suggested for sowing. Finger millet : MR-1,6, GPU-28, HR-911, ML-365 Cowpea: TVX-944, KBC-1, Green gram: PS-16, PDM-84,178 Black gram: Karagao-3, T-9, Rashmi(LBG-625). • Earthing up makes a better availability of soil moisture to the crop rows through conversion of the land into ridges and furrow system.

		• 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. • Apply the recommended top dress fertilizer to Redgram and Maize crops.
Horticulture crop		
Mango		➢ 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.
Animal Husbandry		
Dairy		1. Vaccinate the cow against the Black quarter disease. It is a bacterial disease caused by *Clostridium chauvoei* 2. Feeding cow containing about 17 per cent dietary fiber in the animal feed are also helpful to increase fat percentage in milk. Concentrate mixture should comprise grains (40 per cent), oil cakes (32 per cent), brans (25per cent), mineral mixture (2 per cent) and common salt (1 per cent).

AMFU of IMD
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*