UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AGROMET-ADVISORY BULLETIN

Date: **04.08.2017**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 05th August to 09th August 2017)

Parameters	05.08.17	06.08.17	07.08.17	08.08.17	09.08.17
Rainfall (mm)	20	15	4	3	4
Max Temp Trend (°C)	30	29	29	30	31
Min Temp Trend (°C)	21	20	20	20	21
Total cloud cover (octa)	8	6	8	8	8
Relative humidity (%)Max	75	78	79	79	77
Relative humidity (%)Min	53	51	51	48	47
Wind speed(Km/hr)	6	4	6	4	6
Wind Direction (Degrees)	270	270	270	270	270

Forecast summary:

Light rain forecasted during next 5 days. The Maximum temperature range is 29.0-31.0°C and Minimum of 20.0-21.0°C. Relative humidity 75-79 % during morning hrs and 47-53 % during noon is expected. Wind speed is expected 4-6 km/hr.

Weather Based Agro Advisories

Crop information and Crop Stages of the major Kharif/Rabi crops

District	*Kharif crops*			*Horticulture crops*	
Bangalore (U)	**Ragi**	**Redgram**	**Maize**	**Grape**	**Mango**
	-	**S,G,EV**	**S,G,EV**	-	-

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,

Agromet Advisory:

Crop	Stage/ Condition	Pest and Disease	Agro advisories
Agriculture crop			
Kharif crops	✓ Based on Extended Range Weather Forecast (ERWF) normal rainfall is forecasted for second week of August. ✓ Aashlesha rainstar starts from August 3rd to August 16th . The normal rainfall of Aashlesha rainstar is 54.7 mm. ✓ Recommended for medium duration varieties for kharif sowing. ✓ Apply the recommended top dress fertilizer to Redgram and Maize crops. ✓ Undertake interculture operation to control the weeds and to increase the moisture availability to crops. Interculture operation creates soil mulch thereby conserving the soil moisture to the advantage of crop plants. ✓ Wherever, the long duration crops like Redgram, and Castor has been sown, undertake earthing up operation in addition to the above agronomic measures. 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. If Wilt diseases noticed in field –Spray Carbendazim 50 WP 2 g/litre of water.		
	✓ The following crops are suggested for sowing in this month(August) Recommended for medium to short duration crops like ragi (Indaf-5, 9, HR-911, GPU-26, 28, 45 & 48, PR-202, ML-365), maize (Ganga, Deccan, Vijaya composite and Composite NAC), groundnut (JL-24, KCG-2, GBBD-4), cowpea (KBC-1, TVX-944 and PKB-4 for vegetable purpose)		

Horticulture crop	
Mango	➢ Canopy thinning is suggested for proper penetration of sunlight. ➢ Removal of dead and decomposed twigs and unwanted excessive branches helps in preventing diseases and pest build up through proper light penetration. ➢ Malformed inflorescence has been removed to prevent further spread in coming season.
Animal Husbandry	
	➢ Maintain optimum room temperature in poultry and sericulture unit. ➢ Vaccinate the cow against the Foot and Mouth Disease (FMD) & Black Quarter. ➢ Poultry shed is recommended to construct in East-West direction to avoid rainfall and high temperature.
Sericulture	➢ Flacherie diseases: This is found in all seasons of the year, particularly its incidence are high in summer and rainy seasons. ➢ Care to be taken that infections should not enter from outside, recommended bed disinfectants like Suraksh, Vijetha, Ankush, Samrakshak etc., are to be dusted in each stage in the bed as to control the disease as per recommended dose

Station Nodal Officer
Bengaluru