UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
GRAMIN KRISHI MAUSAM SEWA(GKMS)

AGROMET-ADVISORY BULLETIN

Date: **26.07.2016**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru Rural district.

Weather forecast (Valid from 27th July to 31st July 2016)

Forecast summary:

Parameters	27.07.16	28.07.16	29.07.16	30.07.16	31.07.16
Rainfall (mm)	14	17	18	9	3
Max Temp Trend (°C)	27	28	29	27	26
Min Temp Trend (°C)	20	20	21	20	20
Total cloud cover (octa)	8	8	8	7	7
Relative humidity (%)Max	92	91	93	91	91
Relative humidity (%)Min	65	62	63	70	69
Wind speed(Km/hr)	8	7	8	13	12
Wind Direction (Degrees)	290	270	260	250	250

Light to moderate rainfall forecasted during next 5 days. The Maximum temperature ranges from 26.0-29.0°C and Minimum of 20.0-21.0-°C. Relative humidity 91-93 % during morning hrs and 62-70 % during noon is expected. Wind speed is expected to 1-13 km/hr.

Weather Based Agro Advisories

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

District	*Kharif crops*			*Horticulture crops*	
Groundnut	Groundnut	Redgram	Maize	Grape	Mango
	S,G	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:

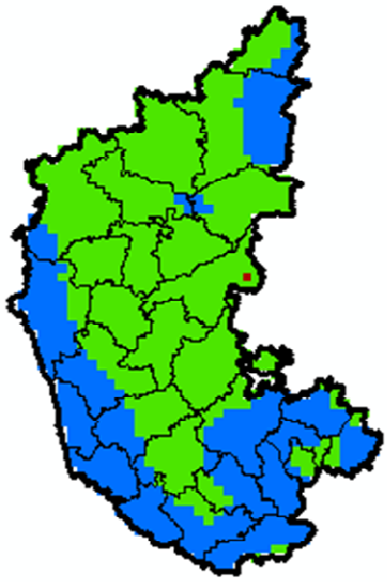
Crop	Stage/ Condition	Pest and Disease	Agro advisories
Agriculture crop			
Kharif crops	➢ Drain out excess rainwater in crop fields. ➢ Apply the recommended top dress fertilizer to Redgram and Maize crops. ➢ Wind speed is high; provide protection for tomato and other vegetables through staking are important. ➢ Undertake interculture operation to control the weeds and to increase the moisture availability to crops. Interculture operation creates a soil mulch thereby conserving the soil moisture to the advantage of crop plants. ➢ Wherever, the long & medium duration crops like Redgram Castor and Maize 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. ➢ Recommended for medium to short duration crops like ragi (Indaf-5, 9, MR-6, GPU-28, 48, ML-365), maize (Ganga, Deccan, Vijaya composite and Composite NAC), groundnut (JL-24, KCG-2, GBBD-4), Seed treatment with Rhizobium 2.5 kg/ha and PSB 2.5 kg/ha · Fertilizer dosage per hectare 25kg N (55 kg urea), 50 kg P (313 kg SSP), 25 kg K (42 kg Potassium Sulphate), 25 kg Zinc Sulphate and 25 kg Ferrous		

	sulphate. · Spacing followed is 30cm (Row) x 10 cm (Plant). cowpea (C-152, KM-5 and PKB-4 for vegetable purpose) and greengram (PS-16, PDM-84 & 178.
Animal Husbandry	
	➢ Proper ventilation should be maintained for free circulation of air in the sheds. ➢ Vaccinate the cow against the Foot and Mouth Disease (FMD) & Black Quarter.

Station Nodal Officer
UAS, GKVK

20th July 2016

Karnataka



Soil Moisture Index

- < 20 (Dry)
- 20 - 40 (Moderately Dry)
- 40 - 60 (Mildly dry)
- 60 - 80 (Moderately Wet)
- > 80 (Severely Wet)

Severely wet condition of soil moisture is observed in Costal and South Interior Karnataka, rest of the state shows moderate wet condition.