UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
INTEGRATED AGROMET ADVISORY SERVICES

AGROMET-ADVISORY BULLETIN Date: 14.06.2013

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru Urban district

Summary of last Three Days Weather

During the above period, 0 mm rainfall was recorded at Bengaluru urban Centre. Maximum temperature was ranged from 26.8-29.0 °C and minimum temperature was 19.6-20.8°C. Average relative humidity was ranged from 88-91% during morning hours and 51-52% during after-noon hours. The average wind speed was range 7-9 km per hour.

Rainfall (mm)	**0**
Maximum temperature(^{0}C)	**26.8-29.0**
Minimum temperature (^{0}C)	**19.6-20.8**
Max RH (%)	**88-91**
Min RH (%)	**51-52**
Cloud cover	**0-3**
Wind Direction (Degrees)	**230-270**
Wind Speed (Km/Hr)	**7.2-9.0**

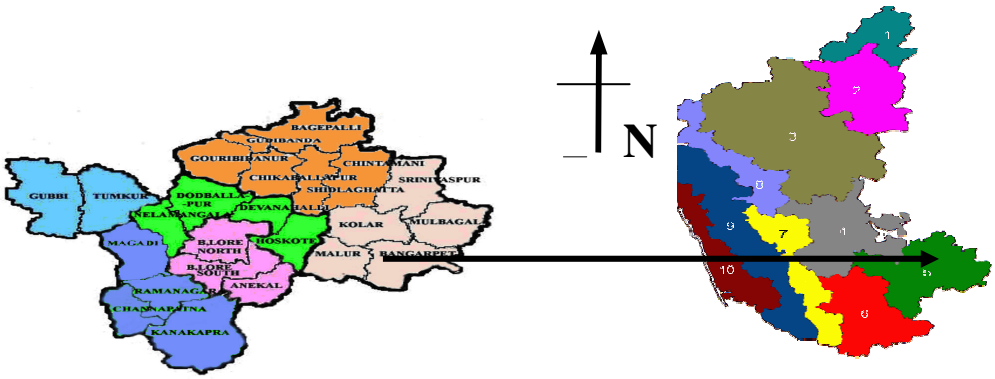
Weather forecast (Valid from 15th to 19th June 2013)

Parameters	15.06.13	16.06.13	17.06.13	18.06.13	19.06.13
Rainfall (mm)	8	9	10	8	9
Max Temp Trend (deg ^{o}C)	28	29	29	28	28
Min Temp Trend (deg ^{o}C)	20	20	20	20	20
Total cloud cover (octa)	6	6	7	7	8
Relative humidity (%)Max	86	87	86	87	89
Relative humidity (%)Min	50	54	54	52	61
Wind speed(Km/hr)	8	7	8	6	7
Wind Direction (Degrees)	250	240	240	240	250

Forecast summary:

Next few days light rains are expected and maximum temperature ranges 28.0-30.0^{o}C and Minimum will be 20.0-21.0^{o}C, with cloud cover 6-7 octa. Relative Humidity is around 81-89 % during morning hrs and 70-72 % during noon is forecasted. Wind speed is expecting to be 6-7 km/hr

Agroclimatic Location of Zone -5 (Eastern dry zone) and base map.



Districts and taulks under Eastern dry zone

Bengaluru urban dist.
Anekal
Bengaluru South
Bengaluru North
Bengaluru East

Weather Based Agro Advisories

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

District	*Kharif crops*				*Horticulture crops*	
Bangalore (U)	**Redgram**	**Fodder Maize**	**Ragi**	**Ground nut**	**Grape**	**Mango**
	S	**S**	**-**	**-**	**-**	**H**

G: Germination, **S**: Sowing, **EV**: Early vegetative, **V**: Vegetative growth, **BM**: Boll maturity, **P**: Picking, **FLI**: Flag leaf initiation, **F:** Flowering, **PF**: Pod formation, **PM**: Pod Maturity, **CRI**: Crown root initiation, **T**: Tillering, Tr : Transplanting **B**: Branching, **FD**: Fruit Development, **H**: Harvesting, **LJI**: Late jointing Stage. **M**: Maturation, **R**: Ripening. **CI**: Cob initiation **F& FS:** Flowering to fruit setting, HE: Head emergence, **MS :** Milking stage

Agromet Advisory:

Crop	Stage/ Condition	Pest and Disease	Agro advisories
		Agriculture crop	
General preparation for Kharif	➢ Since this year monsoon already entered the state, the farmers are advised to procure good quality of seeds & to test the germination before sowing. ➢ Incorporate the farm yard manure on soil and keep lands ready for sowing. ➢ Prepare the soil conservation structure like bund to drain out the excess water and to avoid soil erosion ➢ Apply the recommended dosage of (basal dose) fertilizer at the time of sowing		
Redgram	➢ Where ever sufficient rainfall received, farmers are advised to go for sowing of Redgram with suitable varieties of TTB-7 ,BRG-1, BRG-2 and Hyd-3c @15kg/ha and treat the seeds with *rhizobium* culture @ 500gm/ha before sowing. Sow the seeds with spacing of 60 cm x30 cm.		
		Horticulture crops	
	➢ The farmers are advised to make soak pit trenches for perennial horticulture crops near the base of the crops to conserve moisture. Ideal time opening of pits and filling of soil with FYM for planting of perennial horticulture crops.		
Mango	➢ Take up harvesting without dropping fruit on the soil to avoid the damage.		
Banana and Papaya	➢ Last few days the high wind speed is noticed hence the farmers are recommended for give support with wooden sticks.		
		Animal Husbandry	
	➢ Care should be taken against the decrease in day temperature for silk worm and poultry and dairy rearing houses by maintaining optimum room temperature Vaccinate the animals (buffalo, cow, and bullock) against Foot and mouth disease.		

Station Nodal Officer
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Bengaluru