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

AGROMET-ADVISORY BULLETIN

Date: **10.01.2017**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru Rural district.

Weather forecast (Valid from 11th to 15th January 2017)

Parameters	11.01.17	12.01.17	13.01.17	14.01.17	15.01.17
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	29	29	29	28	28
Min Temp Trend (°C)	15	15	16	16	15
Total cloud cover (octa)	2	1	1	1	3
Relative humidity (%)Max	78	76	85	92	94
Relative humidity (%)Min	38	38	37	41	42
Wind speed(Km/hr)	7	7	9	10	11
Wind Direction (Degrees)	130	130	120	110	110

Forecast summary:

No rain forecasted during next 5 days. The Maximum temperature ranges from 28.0-29.0°C and Minimum of 15.0-16.0°C. Relative humidity 76-94 % during morning hrs and 37-42 % during noon is expected. Wind speed is expected to 7-11 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
	-	H	-	-	F

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			
Sowing/cultural operation	**Redgram and Ragi:** Advised for harvested crops winnowing, cleaning, drying and storage in dry gunny bag. Provide protective irrigation on rabi crops.		
Horticulture crop			
Mango	➢ Dry spell situation exists since one month, it is favorable for higher flowering and this weather also favorable for Powdery mildew diseases. ➢ Leaf hopper and Powdery mildew disease incidence is more during 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. ➢ 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. ➢ Incidence of Leaf hopper severe to spray Azadirachtin (10,000 PPM) @ 7.0 ml/ litre of water. ➢ If Phaneroganic plants are growing on the mango tree to cut/prune out completely and apply Bordeaux paste or Copper oxy chloride that portion. ➢ Remove the weeds such as lantana which are growing under the mango tree. ➢ The shoots/branches touching ground may be thinned and ground clearance of the canopy main field to prevent the incidence of pests and disease.		

	➢ Destroy the termite mount and termite by drenching Chlorophyriphos @ 5-10 ml/ litre of water or Place 2 Aluminum phosphate /termite mount which has one meter circumstances and close all the holes with wet clay soil to avoid air entering into the mount.
Grapes	**Due low temperature and high humidity (RH) is observed in the morning hours. This is congenial condition for the occurrence of powdery mildew.** **Control measure: Spray Carbendazim @ 1 g/L or Tridemarf @ 0.5 ml/L.**
Animals	❖ **It is the right time for de -worming of animal.** ❖ **Keep the cattle shed clean & warm.** ❖ **For maintenance of healthy milch animal provide a mineral mixture along with concentrated feeds.**

Station Nodal Officer
Bengaluru