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

AGROMET ADVISORY BULLETIN

Date: 22.04.2016

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Kolar district

Weather forecast (Valid from 23rd April to 27th April 2016)

Parameters	23.04.16	24.04.16	25.04.16	26.04.16	27.04.16
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (^{o}C)	39	40	40	39	39
Min Temp Trend (^{o}C)	23	23	23	23	23
Total cloud cover (octa)	1	0	1	0	3
Relative humidity (%)Max	51	47	50	46	51
Relative humidity (%)Min	35	37	37	38	32
Wind speed(Km/hr)	2	4	2	2	3
Wind Direction (Degrees)	230	240	140	230	140

Forecast summary:

No rainfall forecasted during next 5 days. The Maximum temperature ranges from 39.0-40.0^{o}C and Minimum of 23.0^{o}C. Relative humidity 46-51 % during morning hrs 32-38 % during noon is expected. Wind speed is expected to 2-4 km/hr.

Weather Based Agro Advisories

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

District	*Kharif crops*			*Horticulture crops*	
Bangalore (U)	Groundnut	Redgram	Maize	Grape	Mango
	-	-	-	H	FD

G: Germination, **S**: Sowing, **EV**: Early vegetative, **VG**: Vegetative growth, TR: Transplanting, **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			
	Make the seeds ready for pre monsoon season sowing. Ragi : Indaf -9, Seasamum : Navile-1, T-7 Cowpea : TVX-944, KBC-1, Green gram : PS-16, PDM-84,178 Black gram : Karagao-3, T-9, Rashmi(LBG-625)		
General advisory	➢ Tank silt from tanks be added to crop field to improve the soil fertility and moisture retention and soil texture ➢ Average Rainfall in April and May months are 40 mm and 93 mm respectively. Hence, cowpea, sesame, Black gram and green gram are recommended for the sowing the above crops during May month. Agricultural implements and seeds may be kept ready for sowing of crops. ➢ For Soil moisture conservation in mango orchard, weeds and crop residues may be mulched ➢ After completion of rabi crops/other crop residues may used for compost		

	making instead of burning or using as fuel
Vegetables	Advised to provide irrigation to vegetable and other crops.
Horticulture crop	
Mango	➢ Remove the weeds such as lantana which are growing under the mango tree. ➢ Mango fruit drop can be controlled by spraying of NAA (Naphthalene acetic acid) at 20ppm twice at an interval of 15 days, one protective irrigation will reduce the fruit drop. ➢ Destroy the termite mound and termite by drenching Chlorophyriphos @ 5-10 ml/ liter 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.
Animal Husbandry	
	➢ Apply 4-6 inch thick hay thatch as a roofing material. Water can be used for spraying the floor and roof of shelter periodically during peak hot hours which lowers the temperature and consequently reduces the heat load on animals. ➢ Preparation of silage and use silage during summer season when shortage of green fodder ➢ Proper ventilation should be maintained for free circulation of air in the sheds. ➢ Keep the cattle shed clean. ➢ Drinking water may be ensured of 60 lts. of water/day/animal ➢ Animals may be allowed for grazing early in morning or later in evening

Station Nodal Officer
Bengaluru