

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



Date: 02.12.2022

#### AGROMET-ADVISORY BULLETIN

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Significant past weather for the preceding week

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Parameter	28.11.2022	29.11.2022	30.11.2022	01.12.2022	02.12.2022
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	27.0	27.6	26.8	25.6	24.6
Min.Temp (°C)	20.0	19.4	16.4	15.6	18.0
Sky condition (Octas)	3	6	3	6	4
Relative humidity (%) 0830 hours	89	89	91	89	93
Relative humidity (%) 1730 hours	55	58	60	73	
Wind Speed (Kmph)	5.0	1.4	4.0	3.6	3.6
Wind Direction	90	45	45	90	90

#### Weather forecast (Valid from 03-12-2022 to 07-12-2022)

#### Forecast summary:

Parameters	03.12.2022	04.12.2022	05.12.2022	06.12.2022	07.12.2022
Rainfall (mm)	0	1	0	0	0
Max Temp Trend ( °C)	26	28	30	32	34
Min Temp Trend ( °C)	18	17	16	15	14
Total cloud cover (octa)	4	5	4	4	4
Relative humidity (%)Max	89	89	89	87	87
Relative humidity (%)Min	81	81	81	79	79
Wind speed(Km/hr)	8	9	8	7	7
Wind Direction (Degrees)	103	69	69	68	32

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 26.0-34.0°C and Minimum of 14.0-18.0°C. Relative humidity 87-89 % during morning hrs and 79-81 % during noon is expected. Wind speed is 7-9 km/hr.

## Weather Based Agro Advisories

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

District	Kharif crops				Horticulture crops	
Bangalore	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
Urban (BU)		PF,GF, M	М,Н		-	

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, B: Branching

### **Agromet Advisory:**

Crop/	0	<b>Pest and Disease</b>	Agro advisories	
Component	Condition			
General		• Jyestha rainstar starts from December 3 <sup>rd</sup> to December 15 <sup>th</sup> . The		
		normal rainfall of Jyestha rainstar is 7.7 mm.		

Field bean-HA-3 and 4 and sunflower-KBSH-1,41,42, 44 & 5 cowpea (KBC-1, TVX-944 and PKB-4 for vegetable purpose Horse gram-PHG-9, KBH-1     The grains of the harvested crops should be properly dried be retaining moisture percentage of Cereals 11-12 %, Pulses-9% Oilseeds-8% and Vegetable seeds 5-6% for long storage & als minimize the store pest damage.     To protect the pulse grains from storage pests apply oils of Casto linseed/honge/neem oil @ 3-5 ml per kg of grains.  Finger millet     Crop can be harvested by picking carheads     Advised for harvested crops cleaning, drying and storage in dry gunny bag.     Advised for harvested produce properly.  Maize Harvesting    Network						
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		<ol> <li>To prote</li> </ol>	ect animals from a sudden drop in temperature, keep the animals in a covered			
and changed/aired every day.						
		and cha	nged/aired every day.			
2. Due some should be delen de de mellen en fill 1. C. 1. C. 1. C. 1. C. 1.						
2. Due care should be taken to store/procure fodder for periods of shortage that may						
occur during the winter months in certain areas. Perennial grasses must be cut at thi						
time.		time.				
Sericulture			Sericulture			
1. White muscardine: caused by <i>Beauveria bassiana</i> ,		1. White n	nuscardine: caused by Beauveria bassiana,			
2. Manage the humidity in the rearing house by providing good cross-ventilation. Du			· · · · · · · · · · · · · · · · · · ·			
dry slaked lime powder when silkworms settle for moult.						
3. Feed silkworms with adequate quantity of mulberry leaves to avoid the accumulation						
of left over leaves in the rearing bed. Make sure that the silkworm bed is dry an						

	thin.
4.	If the silkworm rearing house temperature falls below 22°C, raise it using room
	heater / charcoal stove.
5.	Collect muscardine affected larvae from the rearing bed before mummification, dust
	antimuscardine bed disinfectant and finally burn them. Do not throw them on the
	street or feed to animals / birds.
6.	Dust Vijetha and Vijetha Supplement or Ankush bed disinfectant as per
	recommended schedule or dust any recommended anti-muscardine bed disinfectant
	as per the schedule.
	Poultry
1.	The poultry house should be located in such a way that long axis is in east-west
	direction. This will prevent the direct sunshine over the birds.
2.	Beginning at one day of age, the chick should be housed at a temperature 35° C will
	maintain one week, at a relative humidity between $40 - 60\%$ after wards 2 to 4
	weeks temperature decreases every week by 2° C.
3.	Provide artificial brooding to chicks to maintain adequate temperature.
4.	Care should be taken to prevent the chicks from being exposed to wind chill.
5.	Sides should be covered with curtains during cool hours of the day.
6.	Wet litter material should be removed regularly
7.	Ensure proper cross ventilation to avoid ammonia accumulation

AMFU of IMD Bengaluru

**Important Note:** Farmers are informed to use the APPs & Videos related to Weather information: MEGHDOOT, MAUSAM AND DAMINI APPS. This information is available in the website: *mausam.imd.gov.in*