



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



AGROMET-ADVISORY BULLETIN

Date: **12.12.2023**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 13-12-2023 to 17-12-2023)

Forecast summary:

Parameters	13.12.2023	14.12.2023	15.12.2023	16.12.2023	17.12.2023
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	28	28	28	27	28
Min Temp Trend (°C)	17	15	15	16	17
Total cloud cover (octa)	3	3	3	4	3
Relative humidity (%) Max	86	86	86	88	88
Relative humidity (%) Min	77	77	77	79	79
Wind speed (Km/hr)	1	2	3	3	3
Wind Direction (Degrees)	99	77	68	68	90

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 27.0-28.0°C and Minimum of 15.0-17.0°C. Relative humidity 86-88 % during morning hrs and 77-79 % during noon is expected. Wind speed 1-3 km/hr.

Weather Based Agro Advisories

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

District	Kharif crops				Horticulture crops	
Chikkaballapura	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
	-	M,H	M,H	-	-	-

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/ Component	Stage/ Condition	Pest and Disease	Agro advisories
General			
Kharif crops	Harvesting stage		<ul style="list-style-type: none"> Right time for harvesting of matured pigeon pea pod or whole plants & Finger millet crop and kept for dry place. The grains of the harvested crops should be properly dried by retaining moisture percentage of Cereals 11-12 %, Pulses-9%, Oilseeds-8% and Vegetable seeds 5-6% for long storage & also minimizes the store pest damage. To protect the pulse grains from storage pests apply oils of Castor/ linseed/honge/neem oil @ 3-5 ml per kg of grains.
Rabi crops	Early vegetative and vegetative stage		<p>The following Rabi crops are suggested for sowing.</p> <p>Horse gram-PHG-9, KBH-1, Niger, Field bean-HA-3 and 4 and sunflower-KBSH-1, 41, 42, 44 & 53, cowpea (KBC-1, TVX-944 and PKB-4 for vegetable purpose).</p> <ul style="list-style-type: none"> Intercultural operation recommended for conserving soil moisture and removal of weeds in standing rabi crops. Mulching is recommended to conserve the soil moisture in standing rabi crops.
Mango	Flower bud		<ol style="list-style-type: none"> Clear the weeds in Mango orchard/Guava/Sapota put it under the basin as mulch.

	initiation and Flowering	<ol style="list-style-type: none"> 2. If Phanerogamic plants are growing on the mango tree to cut/prune out completely and apply Bordeaux paste or Copper oxy chloride that portion. 3. Remove the weeds such as lantana which are growing under the mango tree. 4. Leaf hopper and Powdery mildew disease incidence is more 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. 5. 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. 6. If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water.
Animal Husbandry		
Dairy		<ol style="list-style-type: none"> 1. To protect animals from a sudden drop in temperature, keep the animals in a covered shed/area during the night. The bedding/hay in the animal sheds must be kept dry and changed/aired every day. 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 this time.
Poultry		<ol style="list-style-type: none"> 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

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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