



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



AGROMET-ADVISORY BULLETIN

Date: **28.01.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru Rural district.

Significant past weather for the preceding week

Weather forecast (Valid from 29-01-2022 to 02-02-2022)

Forecast summary:

Parameters	29.01.2022	30.01.2022	31.01.2022	01.02.2022	02.02.2022
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	28	29	30	30	31
Min Temp Trend (°C)	18	17	16	16	16
Total cloud cover (octa)	4	2	2	2	2
Relative humidity (%)Max	80	80	80	78	78
Relative humidity (%)Min	58	58	58	56	56
Wind speed(Km/hr)	5	4	4	4	3
Wind Direction (Degrees)	77	77	81	90	90

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 28.0-31.0°C and Minimum of 16.0-18.0°C. Relative 78-80 % during morning hrs and 56-58 % during noon is expected. Wind speed is 3-5 km/hr.

Weather Based Agro Advisories

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

District	Kharif crops				Horticulture crops	
Bangalore Rural (BR)	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
	--	H	H	--	-	F

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: Tasseling, 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, CI: Cob Initiation

Agromet Advisory:

Crop/Component	Stage/Condition	Pest and Disease	Agro advisories
General			<ul style="list-style-type: none"> Advised for harvested Kharif crops winnowing, cleaning, drying and storage in dry gunny bag. 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 minimize 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.
Horticulture crop			

Mango	Flowering	<ol style="list-style-type: none"> 1. Dry spell situation exists since one month, it is favorable for Powdery mildew diseases. 2. Sudden drop in minimum temperature is observed in Mango it will be affects the floral induction and spray pacloburtrazol as plant growth retardant which restrict the vegetative growth. 3. 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. 4. 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. 5. If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water.
Animal Husbandry		
		<ol style="list-style-type: none"> 1. Foot and mouth diseases: This is a highly infectious viral disease of farm animals. 2. Regular vaccination of farm animals for control of FMD in the month of January. 3. Separation of affected animals from other animals. 4. Mouth and feet of the affected animals should be washed with 1% potassium permanganate (KMnO₄) antiseptic mouth wash 3-4 times a day. 5. Disinfection of floors, premises and all infected materials by using Sodium hydroxide (2%), sodium carbonate (4%) and citric acid (0.2%) is advisable. 6. 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. 7. 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.
Sericulture		
		<ol style="list-style-type: none"> 1. Maintain the optimum room temperature in Sericulture unit.
Poultry		
		<ol style="list-style-type: none"> 1. Provide artificial brooding to chicks to maintain adequate temperature. 2. Care should be taken to prevent the chicks from being exposed to wind chill. 3. Sides should be covered with curtains during cool hours of the day. 4. Wet litter material should be removed regularly 5. 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



AGROMET-ADVISORY BULLETIN

Date: **28.01.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Bengaluru urban district.

Significant past weather for the preceding week

Parameter	24.01.2022	25.01.2022	26.01.2022	27.01.2022	28.01.2022
Rainfall (mm)	0	0	0	0	0
Max. temp(°C)	29.4	28.2	27.8	27.6	25.2
Min.Temp(°C)	12.3	12.6	13.2	14.6	16.4
Sky condition(Octas)	0	0	2	4	2
Relative humidity(%) 0830 hours	81	79	85	85	78
Relative humidity(%) 1730 hours	50	48	53	66	--
Wind Speed (kmph)	2.4	2.4	3.2	3.1	8.3
Wind Direction	140	45	140	90	90

Weather forecast (Valid from 29-01-2022 to 02-02-2022)

Forecast summary:

Parameters	29.01.2022	30.01.2022	31.01.2022	01.02.2022	02.02.2022
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	28	29	30	30	31
Min Temp Trend (°C)	18	17	16	16	16
Total cloud cover (octa)	4	2	2	2	2
Relative humidity (%)Max	80	80	80	78	78
Relative humidity (%)Min	58	58	58	56	56
Wind speed(Km/hr)	5	4	4	4	3
Wind Direction (Degrees)	69	72	90	108	99

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 28.0-30.0°C and Minimum of 16.0-18.0°C. Relative humidity 78-80 % during morning hrs and 56-58 % during noon is expected. Wind speed is 3-5 km/hr.

Weather Based Agro Advisories

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

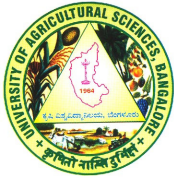
District	Kharif crops				Horticulture crops	
	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
Bangalore Urban (BU)	--	H	H	--	-	IBI, F

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, B: Branching

Agromet Advisory:

Crop/ Component	Stage/ Condition	Pest and Disease	Agro advisories
General			<ul style="list-style-type: none"> • Advised for harvested Kharif crops winnowing, cleaning, drying and storage in dry gunny bag. • 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 minimize 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.
Horticulture crop			
Mango	Flowering		<ol style="list-style-type: none"> 1. Dry spell situation exists since one month, it is favorable for Powdery mildew diseases. 2. Sudden drop in minimum temperature is observed in Mango it will be affects the floral induction and spray pacloburtrazol as plant growth retardant which restrict the vegetative growth. 3. 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. 4. 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. 5. If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water.
Animal Husbandry			
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Sericulture			
			<ol style="list-style-type: none"> 1. Maintain the optimum room temperature in Sericulture unit.
Poultry			
			<ol style="list-style-type: none"> 1. Provide artificial brooding to chicks to maintain adequate temperature. 2. Care should be taken to prevent the chicks from being exposed to wind chill. 3. Sides should be covered with curtains during cool hours of the day. 4. Wet litter material should be removed regularly 5. Ensure proper cross ventilation to avoid ammonia accumulation

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AGROMET-ADVISORY BULLETIN

Date: **28.01.2022**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district

Weather forecast (Valid from 29-01-2022 to 02-02-2022)

Forecast summary:

Parameters	29.01.2022	30.01.2022	31.01.2022	01.02.2022	02.02.2022
Rainfall (mm)	1	0	0	0	0
Max Temp Trend (°C)	27	28	29	29	30
Min Temp Trend (°C)	18	17	16	16	16
Total cloud cover (octa)	3	2	2	2	2
Relative humidity (%)Max	75	75	73	73	73
Relative humidity (%)Min	72	72	70	70	70
Wind speed(Km/hr)	2	2	2	2	2
Wind Direction (Degrees)	90	72	70	158	68

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 27.0-30.0°C and Minimum of 16.0-18.0°C. Relative humidity 73-75 % during morning hrs and 70-72 % during noon is expected. Wind speed 2 km/hr.

Weather Based Agro Advisories

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

District	Kharif crops				Horticulture crops	
Chikkaballapur	Groundnut	Redgram	Finger millet	Maize	Grape	Mango
a	--	H	H	--	-	IBI, 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, **B:** Branching

Agromet Advisory:

Crop/ Component	Stage/ Condition	Pest and Disease	Agro advisories
General			<ul style="list-style-type: none"> Advised for harvested Kharif crops winnowing, cleaning, drying and storage in dry gunny bag. 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 minimize 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.
Horticulture crop			

Mango	Flowering	<ol style="list-style-type: none"> 1. Dry spell situation exists since one month, it is favorable for Powdery mildew diseases. 2. Sudden drop in minimum temperature is observed in Mango it will be affects the floral induction and spray pacloburtrazol as plant growth retardant which restrict the vegetative growth. 3. 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. 4. 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. 5. If the incidence of Leaf hopper is severe spray Azadirachtin (10,000 ppm) @ 7.0 ml/ litre of water.
Animal Husbandry		
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