



UNIVERSITY OF AGRICULTURAL SCIENCE, BENGALURU
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AMFU OF IMD, BENGALURU



AGROMET-ADVISORY BULLETIN

Date: **15.03.2024**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

The forecast is valid for Chikkaballapur district
Weather forecast (Valid from 16-03-2024 to 20-03-2024)

Forecast summary:

Parameters	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	36	36	36	36	36
Min Temp Trend (°C)	22	22	22	22	22
Total cloud cover (octa)	2	1	0	0	3
Relative humidity (%)Max	35	53	64	59	52
Relative humidity (%)Min	25	19	18	18	20
Wind speed(Km/hr)	13	17	15	13	14
Wind Direction (Degrees)	193	135	135	191	165

No rain forecasted by IMD, Bangalore during next 5 days. The Maximum temperature ranges from 36.0°C and Minimum of 22.0°C. Relative humidity 35-64 % during morning hrs and 18-25 % during noon is expected. Wind speed 13-17 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	--	-	-	--	-	FD

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			<ol style="list-style-type: none"> 1. Remove the half cutted stubbles of pigeon pea from their fields. This will avoid multiplication and spreading of sterility mosaic disease 2. One or two protective irrigation required for mango and other horticultural plantation to protect from fruit drop due to successive dry spells. 3. Due to continuous dry spell since December month, the termite attack is common in horticulture and Forestry tree and shrubs hence control to apply Aldrin termicides for control of termites. 4. Advised to take up winnowing, cleaning, drying and storing in dry gunny bags of harvested Rabi crops. 5. Carry out threshing of the harvested crops, the grains should be dried by retaining moisture percentage of cereals to 11-12 % , Pulses-9%, Oilseeds-8% and Vegetable seeds 5-6% for long

		storage & also minimize the store pest damage.
Horticulture crop		
Mango	Fruit Development stage (Marble stage)	<ol style="list-style-type: none"> 1. If sufficient water is available, irrigation can be given at 15-20 days interval starting from fruit setting till maturity. 2. Dropping of fruits in mango trees was noticed. To manage this by giving adequate quantity of irrigation water (go for drip irrigation where ever it possible) at marble stage. 3. Fruit drop can be controlled by spraying Naphthalene acetic acid (NAA) @ 20 ppm twice at an interval of 15 days during the early stage (peanut stage/marble stage) of fruit development stage. 4. To control the malformation, thorough pruning of affected flowers parts between trees to reduces the spread of pests and disease and spray Carbendazim @ 1 g/L to control disease
Animal Husbandry		
	<p>Livestock management during summer:</p> <ul style="list-style-type: none"> ❖ Apply 4-6 inch thick thatch as a roofing material. Water can be used for spraying the floor and roof of shelter ❖ Periodically water spray during peak hot hours lowers the temperature and consequently reduces the heat load on animals ❖ Proper ventilation should be maintained for free circulation of air in the sheds ❖ Clean drinking water be provided to animals and water troughs should be regularly cleaned ❖ Drinking water of 60 lts. of water/day/animal is required. ➤ Animals may be allow for grazing early in morning or later in evening. 	

BLOCK LEVEL WEATHER FORECAST BAGEPALLI BLOCK					
Parameters	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	36	37	35	36	37
Min Temp Trend (°C)	22	24	24	25	21
Total cloud cover (octa)	1	2	3	4	1
Relative humidity (%)Max	46	49	41	45	46
Relative humidity (%)Min	20	20	25	20	17
Wind speed(Km/hr)	17	13	13	14	18
Wind Direction (Degrees)	72	203	240	169	146

CHIKKABALLAPURA BLOCK

Parameters	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	35	35	34	35	35
Min Temp Trend (°C)	21	22	22	23	20
Total cloud cover (octa)	1	2	2	4	1
Relative humidity (%)Max	49	57	48	51	52
Relative humidity (%)Min	21	21	25	22	19
Wind speed(Km/hr)	16	12	12	14	18
Wind Direction (Degrees)	113	75	203	158	148

CHINTAMANI BLOCK

Parameters	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	35	35	35	35	35
Min Temp Trend (°C)	21	22	22	22	19
Total cloud cover (octa)	1	1	2	3	0
Relative humidity (%)Max	52	51	51	59	55
Relative humidity (%)Min	21	21	22	22	19
Wind speed(Km/hr)	16	14	11	16	18
Wind Direction (Degrees)	105	150	171	158	148

GAURIBIDANUR BLOCK

Parameters	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	36	36	34	36	36
Min Temp Trend (°C)	21	23	22	23	20
Total cloud cover (octa)	1	2	2	3	1
Relative humidity (%)Max	44	53	42	44	48
Relative humidity (%)Min	20	20	28	21	18
Wind speed(Km/hr)	17	11	9	11	15
Wind Direction (Degrees)	79	203	203	167	148

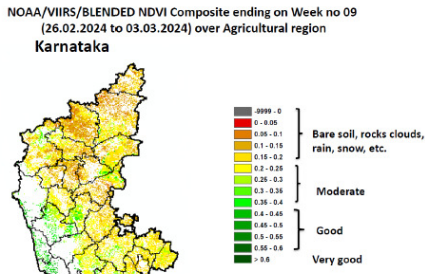
GUDIBANADA BLOCK

Parameters	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	36	36	35	36	36
Min Temp Trend (°C)	22	23	23	24	20
Total cloud cover (octa)	1	2	2	4	1
Relative humidity (%)Max	45	52	43	46	48
Relative humidity (%)Min	20	20	25	21	18
Wind speed(Km/hr)	17	12	12	13	17
Wind Direction (Degrees)	79	203	225	169	148

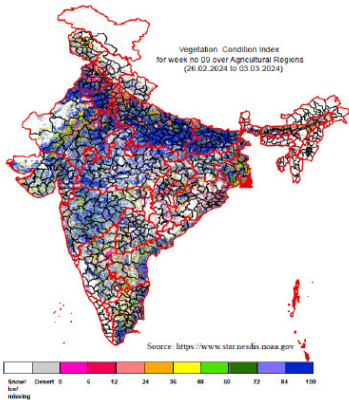
SIDLAGHATTA BLOCK

Parameters	13.03.2024	14.03.2024	15.03.2024	16.03.2024	17.03.2024
Rainfall (mm)	0	0	0	0	0
Max Temp Trend (°C)	35	35	35	35	35
Min Temp Trend (°C)	21	22	22	22	19
Total cloud cover (octa)	1	2	2	3	0
Relative humidity (%)Max	51	56	51	56	55
Relative humidity (%)Min	21	21	24	22	19
Wind speed(Km/hr)	16	14	12	16	18
Wind Direction (Degrees)	113	135	203	161	148

NDVI

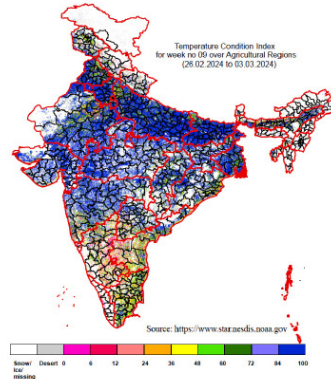


Agriculture vigour is good at few places of coastal Karnataka.

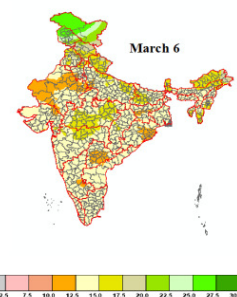


Vegetative Condition Index

Temperature Condition Index



Forecasted Soil Moisture (%) for 6 March 2024 (ending at 0830 IST) for 60 cm depth



Forecasted Soil moisture (60 cm depth)