



# District Agricultural Meteorological Unit

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AGROMET ADVISORY BULLETIN No: 79/2021 - 22

### VADODARA DISTRICT

DATE OF ISSUE: 31/12/2021

#### Weather summary: 24 December to 30 December – 2021

District	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	Relative Humidity (%)	Wind Speed (km/hrs)	Cloud Cover (Okta)
VADODARA	0.0-0.0	28.1-30.6	10.4-16	29-88	0-5.6	0-0
Last seven days cumulative rainfall (mm)				0.0		
Cumulative rainfall (mm)				1172.2		

#### Weather forecast period: 01 January to 05 January– 2022

Sr. No.	Weather Parameters	Day - 1 (01/01)	Day - 2 (02/01)	Day - 3 (03/01)	Day - 4 (04/01)	Day - 5 (05/01)
1.	Rainfall (mm)	0	0	0	0	0
2.	Maximum Temperature (°C)	25	26	26	27	28
3.	Minimum Temperature (°C)	14	14	15	16	16
4.	Total Cloud Cover (Okta)	1	0	0	0	0
5.	Max. Relative Humidity (%)	52	56	52	51	47
6.	Min. Relative Humidity (%)	37	36	34	32	29
7.	Wind Speed (kmph)	16	13	12	10	8
8.	Wind Direction (Compass Point)	E	NE	NE	NE	E
Special weather		NIL				

#### Weather Summary

- As per IMD forecast during next five days, the sky will remain **clear**.
- The maximum temperature will range between **25-28 °C** and minimum temperature will range between **14-16 °C**.
- The humidity in the air will be in a range between **29-56 %**.
- Wind direction will be **east** likely to blow with the speed of **8-16 km/h**.

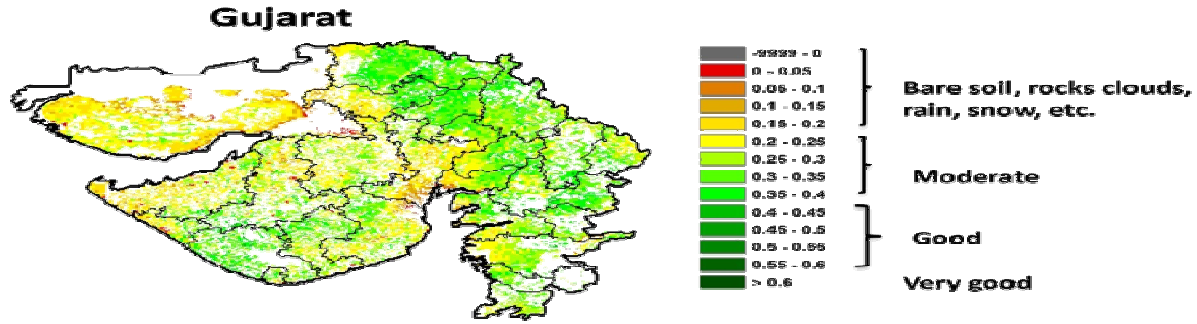
**Extended Range Forecast:** Maximum temperature likely to be below normal (26.04°C), minimum temperature likely to be normal (13.20°C) and possibility of above normal rainfall during subsequent week 05 January to 11 January, 2022 in Gujarat sub region.

#### General advise

- Carry out weeding and inter-culturing operations in rabi crops.
- Take plant protection measures as per recommendation.
- Due to pandemic of CORONA (COVID-19), Farmers should maintain social distancing and safety precaution while handling farm machines and labour in the field.

Main Crops	Agricultural Advisories
WHEAT	<b>Crown root stage/Tillering stage :-</b> ➤ Carry out weeding and inter-culturing operation in wheat crop.
	<b>Fertilizer :-</b> ➤ Apply 60 kg/ha Nitrogen after first irrigation.
	<b>Irrigation :-</b> ➤ Apply light irrigation at tillering stage at 35-40 days.
RABI MAIZE	<b>Knee high stage :-</b> ➤ Carry out weeding and inter-culturing operation in maize crop. ➤ Apply light irrigation as per requirement.
	<b>Fertilizer :-</b> ➤ Apply 37.5 kg/ha Nitrogen as split dose at knee high stage.
CASTOR	<b>Flowering/Capsule formation stage :-</b> ➤ Apply light irrigation as per requirement.
	<b>Capsule Borer:-</b> To control capsule borer, spray neem seed kernel powder(5% extract) 500g or bassiana or verticilium lecanii fungus powder 40g in 10 litre of water.
COTTON	<b>Maturity stage :-</b> ➤ Carry out picking of matured ball in cotton crop.
	<b>Fertilizer :-</b> ➤ Carry out spraying of 1 % 19-19-19 NPK (100 g per 10 liters of water) water soluble fertilizer for obtaining better picking at flowering and boll development stage.
	<b>Pink Ballworm :-</b> ➤ For monitoring of Pink ballworm in cotton crop, install pheromone trap @ 6 nos./ha. ➤ For control of this pest install pheromone trap @ 40/ha till last picking. ➤ Spray <i>Spinosad 45 SC @ 3 ml</i> or <i>Emamectin benzoate 5 SG @ 3 gram</i> or <i>Indoxacarb 14.8 EC @ 10 ml</i> or <i>Thiaiodicarb 75 WP @ 10 gram</i> in 10 litre of water for control of pest.
SEMI-RABI PIGEON PEA	<b>Vegetative stage :-</b> ➤ Carry out weeding and interculturing operations at vapsa condition.
GRAM	<b>Vegetative stage :-</b> ➤ Carry out weeding and interculturing operations at vapsa condition.
TOMATO	<b>Maturity stage :-</b> ➤ Carry out picking of matured tomato fruits.
	<b>Leaf Curl virus :-</b> ➤ For effective control of sucking pest like aphid, jassid, thrips and whitefly etc, spray Neem Seed Kernel powder 500 gram (5 % extract) or Neem based pesticide 20 ml (1 EC) or Beauveria bassiana powder 40 gram in 10 litre of water. ➤ Alternative spray of <i>Flonicamid 50 WG @ 3 g</i> or <i>Difentheron 50 WG @ 10 gram</i> or <i>Fipronil 5 SC @ 20 ml</i> or <i>Acephate 50% + Imidachloprid 1.8% SP 10 ml</i> in 10 litre of water.
CHILLI	<b>Maturity stage :-</b> ➤ Carry out picking of matured chilli fruits.
BANANA	<b>Vegetative stage :-</b> ➤ Remove suckers from surrounding of main plants. ➤ Apply light irrigation as per requirement.
	<b>Sigatoka :-</b> ➤ In Banana crop, cut and remove dry leaves with spots every 1.5 to 2 months and burn it outside the field. ➤ For control of Sigatoka disease, spray <i>Carbendazim 50 WP @ 10 gram</i> or <i>Mencozeb 75 WP @ 27 gram</i> or <i>Propineb 70 WP @ 20 gram</i> or <i>Propiconazole 25 EC @ 5 ml</i> in 10 litre of water 2-3 times at 15 days interval.
LIVESTOCK	<b>General advise :-</b> ➤ Give 50 g mineral mixture with cattle feed.

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 51  
(17.12.2021 to 23.12.2021) over Agricultural region



Agricultural vigour is moderate over the state.

Source: <https://www.star.nesdis.noaa.gov>

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