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District: - Bikaner

Dated: 16.12.2025

Weather Forecast and Agromet Advisory

Period 16th December 2025 to 20th December 2025

Weather review of last week: During this period, the maximum temperature ranged between 23.8 to 25.6 °C and the minimum temperature ranged between 4.0 to 5.7°C. During this period, low wind speed observed with RH values of 65% to 95%.

Weather forecast for the coming week: On the basis of the information received from the India Meteorological Department, New Delhi and Regional Meteorological Centre, Jaipur, weather for the next 5 days in Bikaner district (16.12.2025 and 20.12.2025) partially cloudy on 16.12.2025 & 18.12.2025 and clear sky on 17.12.2025 & 19.12.2025 to 20.12.2025. T_{min} will 09.0-12.0°C and the T_{max} is likely to remain between 27.0-28.0 °C. During this period low to moderate wind velocity is likely to blow coupled with very low relative humidity. Winds will blow from the South-East, South-South-West and South-West directions.

Weather Parameter	Date				
	16.12.2025	17.12.2025	18.12.2025	19.12.2025	20.12.2025
Rainfall (mm)	0	0	0	0	0
Cloud cover	Partially Cloudy	Clear sky	Partially Cloudy	Clear sky	Clear sky
Temperature Maximum (° C)	27	27	27	28	28
Temperature Minimum (° C)	9	9	9	10	12
Wind direction	SE	SSW	SW	SW	SW
Minimum Relative humidity (%)	48	50	45	45	48
Maximum Relative humidity (%)	75	83	86	84	80
Wind velocity(km/hr)	6	7	5	7	7
Cumulative rains (mm)	00.00				

Agro Advisory: Based on the weather review of last week and the weather forecast for this week, the following advices are for the farmers.

Specific advisory	Avoid foliar spray of chemicals during cloudy weather conditions with high wind speed. Conserve every drop of water and moisture for future. Watch fields on regular basis to diagnose insect pest & disease infestation in crops and orchards.		
Crop	Stage	Details	Agro Advisory
Wheat and Barley	Vegetative stage	Fertilizer and irrigation	Top dressing of 15kg urea/bigha in Wheat with first irrigation at CRI stages (20-25 DAS), top dressing of 15 kg urea/bigha in barley with first irrigation (25-30 DAS). To control weeds in wheat & barley apply 500 g/ha (a.i) 2, 4-D ester salt or 4 g/ha metsulfuron methyl (a.i) in 500 liter water at 30-35 DAS.
Chickpea	Vegetative stage	Irrigation	Apply first irrigation at 40-45 days after sowing.
Mustard	Vegetative stage	Fertilizer and irrigation	Apply first irrigation in mustard at 25 days after sowing and also apply remaining dose of nitrogen @ 25 kg urea per bigha along with irrigation water.
		Diseases	To control blight/downy mildew apply 2g mancozeb or zineb per liter water, to control white rust apply 2g metalaxyl-M with mancozeb per liter water.
Horticulture		Irrigation & spray	Irrigate date palm, Kinnow, orange and lemon orchards on regular interval. To control fruit fly attack in ber spray of fenvalerate/dimethoate @1 ml/ liter of water at pea stage of ber fruits.
Livestock	Food/Nutrition		Prepare and fed protein rich high nutritive urea – molasses bricks
	Health management		De-worming against parasites to the livestock (calves & non pregnant lactating cows). Feed 20 to 50 gram mineral mixture to each milch animal according their body weight to maintain health and to avoid the problems like milk fever and prolepses. Looking epidemic attack of Hemorrhagic septicemia, isolate the domestic/milching animals from Hemorrhagic septicemia infected stray/domestic animals. Isolation, hygiene with better nutrition is good policy for Hemorrhagic septicemia management.

**Associate Professor and Technical Officer
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