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District: - Bikaner

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Weather Forecast and Agromet Advisory
Period 07th February 2025 to 11th February 2025

Weather review of last week: During this period, the maximum temperature ranged between 23.7 to 25.4 °C and the minimum temperature ranged between 3.0 to 6.0°C. During this period, low wind speed observed with RH values of 21 % to 85%.	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 (07.02.2025 to 11.02.2025) dense cloudy on 07.02.2025, partially cloudy on 08.02.2025 & 10.02.2025 and clear sky on 09.02.2025 & 11.02.2025. T _{min} will possibly range between 09.0-13.0°C and the T _{max} is likely to remain between 24.0-30.0 °C. During this period high wind velocity is likely to blow coupled with very low relative humidity? Wind blow from then North-East, East-North-East, East and West-North-West directions.
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Weather Parameter	Date				
	07.02.2025	08.02.2025	09.02.2025	10.02.2025	11.02.2025
Rainfall (mm)	0	0	0	0	0
Cloud cover	Dense Cloudy	Partially Cloudy	Clear sky	Partially Cloudy	Clear sky
Temperature Maximum (° C)	24	26	27	30	29
Temperature Minimum (° C)	9	10	11	11	13
Wind direction	NE	ENE	E	NE	WNW
Minimum Relative humidity (%)	8	9	10	14	13
Maximum Relative humidity (%)	17	17	25	34	32
Wind velocity(km/hr)	9	12	14	10	11
Cumulative rains (mm)	00.00				

Agro Advisory: Based on the weather review of last week and the weather forecast for this week, the following advice is given to the farmer.

Specific advisory Due to increase in temperature, there is a possibility of pest and disease infection in timely sown crops. Therefore, regularly watch fields, to diagnose insect pest & disease infestation for timely and effective management. In case of infestation of aphids in crops like mustard, fenugreek, cumin, isabgol, do spray of Dimethoate 30 EC @ 1200 ml/ha with water. Timely irrigate the crops for better growth and development.

Crop	Stage	Details	Agro Advisory
Wheat	Spike formation	Nutrient deficiency	To overcome the young leaf yellowing problem in heat and barley spray 3 g of zinc sulphate with 20 g of urea per litre water.
Mustard	Pod and grain formation	Insect and disease control	On aphid infestation, spray of malathion 50 EC or Dimethoate 30 EC @ 2 ml/ litre of water. Prevent mustard crop from powdery mildew disease, dusting of 20 kg sulphur powder/ha or spray 2 grams of soluble sulphur or 1 ml Dinocap (Kerathen) 30 EC per litre of water.
Chick pea	Pod and grain formation	Insect control	To monitor pod borer in gram, it was suggested to install 4 pheromone traps per hectare so that the pest could be controlled in time.
Fenugreek	Pod and grain formation	Disease	To control powdery mildew disease dusting of 20 kg sulphur powder/ha or spray 2 g of soluble sulphur or 1 ml Dinocap (Kerathen) 30 EC per litre of water.
Cumin	Flowering grain formation	Disease management	To control blight in cumin apply 2g/ lit. or 500g Mencozeb/bigha, repeat the spray 2-3 times. Where there is attack of wilt in cumin apply 300g Carbendazim/bigha repeat it at an interval of 15 days.
Horticulture		Irrigation	Timely irrigate the horticultural crops or orchards.
		Disease management	To control purple blotch in Onion (particularly in seed production programme) spray of 0.2% (2g/liter water) Mencozeb is required.
Livestock		Nutrition management	Incorporate concentrates and mineral mixtures into animal feed to obtain good quality and high milk yield. Provide good quality drinking water to animals.

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