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District: - Bikaner

Weather Forecast and Agromet Advisory

Period 16th May 2025 to 20th May 2025

Weather review of last week: During this period, the maximum temperature ranged between 43.3 to 45.0 °C and the minimum temperature ranged between 27.2 to 28.2°C. During this period, low wind speed observed with RH values of 19% to 47%.			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 (16.05.2025 to 20.05.2025) clear sky on 16.05.2025 to 20.05.2025. Tmin will possibly range between 31.0°C and the T _{max} is likely to remain between 45.0 °C. During this period high wind velocity is likely to blow coupled with very low relative humidity? Wind blow from the South-West and West-South-West directions.				
Weather Parameter			Date				
			16.05.2025	17.05.2025	18.05.2025	19.05.2025	20.05.2025
Rainfall (mm)			0	0	0	0	0
Cloud cover			Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Temperature Maximum (° C)			45	45	45	45	45
Temperature Minimum (° C)			31	31	31	31	31
Wind direction			WSW	WSW	SW	WSW	SW
Minimum Relative humidity (%)			12	13	13	14	10
Maximum Relative humidity (%)			31	31	35	39	43
Wind velocity(km/hr)			28	27	28	25	25
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	Irrigate the fodder crops as and when crops show wilting symptoms and as per need on the basis of critical growth stages. Keep the harvested Rabi crops and crop products at a safe place. During high temperature period keep inflammatory materials in most protected places.						
Crop	Stage	Details	Agro Advisory				
Desi Cotton	Preparation for sowing	Sowing time, varieties, seed rate and crop geometry	Appropriate time for Indian cotton sowing with varieties RG-8, RG-18, RDH-9, HD-123 or RG-542. 3 kg seed per bigha is suitable for sowing of desi cotton. Sowing geometry of Indian cotton is 67.5 cm (line to line) X 60 cm (plant to plant).				
Bt Cotton	Preparation for sowing	Sowing time, varieties, seed rate and crop geometry	Optimum sowing tine of Bt. cotton is 1st May to 20th May. But by sowing between April 15 and May 15, the attack of pink bollworm in the crop can be reduced. Sowing on the periphery of the cotton field non B.T. of the same variety. Hybrid (refugia) must be sown. Use seed rate of B.T. cotton at 450 grams per bigha. Keep row to row 108 cm and plant to plant distance 60 cm.				
American cotton	Preparation for sowing	Field preparation, sowing time and seed rate	The sowing time of American cotton will start from first week of May. For field preparation one deep ploughing should be done by MB plough and 2-3 ploughing should be done by cultivator and use 30-35 qt FYM per bigha during the field preparation. 4 kg seed per bigha is suitable for sowing of american cotton.				
Forage management	Sowing		Frequently irrigate the fodder crops for better yields.				
Horticulture		Irrigation	Timely irrigate the horticultural fruit crops such as date palm, Kinnow, orange and lemo and vegetable crops such as kakari, water melon, musk melon, tinda and tomato.				
Ber		Pruning	Start pruning operation in Ber and it should be completed by end of May. It is most essential operation in Ber as flowering and fruiting takes place only on the new growth branches.				
Cucurbit Vegetables	Fruiting	Insect control	For control of fruit fly in cucurbits like Water melon, muskmelon and Kakari, do spray of malathion 50 EC @ 1 ml/lit of water.				
Livestock		Health management	Adopt preventive measures against mastitis in milch animals. Provide oral dose of medicine against stomach worms. Protect the animals from heat waves. Provide good quality drinking water to animals. Looking high wind speed keep yourself and animals away from old/decayed shelters, trees and walls.				

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Gramin Krishi Mausam Sewa**

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