



**Gramin Krishi Mausam Sewa
Agricultural Research Station
SK Rajasthan Agricultural University
Bikaner 334 006**
Phone 0151 2250018, 0151 2250570
Email: arsagrometbikaner@gmail.com



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District: - Bikaner

Dated:27.08.2024

Weather Forecast and Agromet Advisory
Period 27th August 2024 to 31th August 2024

Weather review of last week: During this period, the maximum temperature ranged between 33.8 to 35.8 °C and the minimum temperature ranged between 24.5 to 26.2°C. During this period, low wind speed observed with RH values of 86 % to 99%.	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 (27.08.2024 to 31.08.2024) dense cloudy on 27.08.2024 & 29.08.2024, cloudy on 28.08.2024 and partially cloudy on 30.08.2024 to 31.08.2024. T _{min} will possibly range between 26.0°C and the T _{max} is likely to remain between 34.0-36.0 °C. During this period, high wind velocity is likely to blow from then South-East, South-South-West and West-South-West directions.
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Weather Parameter	Date				
	27.08.2024	28.08.2024	29.08.2024	30.08.2024	31.08.2024
Rainfall (mm)	10	2	16	1	0
Cloud cover	Dense Cloudy	Cloudy	Dense Cloudy	Partially Cloudy	Partially Cloudy
Temperature Maximum (° C)	34	35	35	35	36
Temperature Minimum (° C)	26	26	26	26	26
Wind direction	SE	SE	SSW	WSW	WSW
Minimum Relative humidity (%)	40	44	40	39	33
Maximum Relative humidity (%)	70	67	64	55	53
Wind velocity(km/hr)	17	14	12	14	12
Cumulative rains (mm)	39.00				

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	<p>Avoid foliar spray of chemicals during dense weather conditions and possibilities of rains. Conserve every drop of water and moisture for future. Prevailing and forecasted weather conditions may increase the chances of disease and insect attack in the standing kharif crops. Therefore, regularly watch the fields to diagnose insect pest & disease infestation in crops and orchards Inter culture operations in all crops to conserve moisture, better aeration and to control weeds. For the control of sucking pests (jassids, white fly, thrips etc) in guar and pulses, spray acetamiprid or thiamethoxam @ 3 g/10 litre water. Apply remaining dose of nitrogen in standing cotton, bajra and fodder crops with rains.</p>
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Crop	Stage	Details	Agro Advisory
Groundnut	Branching	Yellowing management	Spray 0.5 percent ferrous sulphate and 01 percent citric acid when symptoms of yellowing appear in the standing groundnut crop.
		Disease management	Prevailing and forecasted weather conditions may increase the chances of tikka disease in groundnut. Therefore, farmers are advised to spray of Mencozeb or Chlorothalonil @ 2 gram per litre of water.
		Zypsum	At 40 to 60 DAS crop stage, apply 240 kg zypsum/ha as dust.
Guar	Vegetative	Disease management	These weather conditions may also increase the chances of bacterial leaf blight in guar crop. Farmers are advised to spray 2.5 g Streptocycline along with 30 g Copper oxychloride / 10 litre water. Repeat the spray if required.
Horticulture		Planting and irrigation	For planting new Kinnow orchards dig pits of 1m x 1m x 1m and remain open for at least 1 20 days at a distance of 6m x 6m. Irrigate date palm, Kinnow, orange and lemon orchards on regular interval.
Livestock		Food and Nutrition	Prepare and fed protein rich high nutritive urea – molasses bricks as per the guidance of registered veterinarian
		Diseases	Looking the weather condition vaccinate the domestic animal against Foot and Mouth Disease, Black Quarter and Hemorrhagic Septicemia

**Associate Professor and Technical Officer
Gramin Krishi Mausam Sewa**

**Zonal Director Research and
Nodal Officer - Gramin Krishi Mausam Sewa**