



**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:08.10.2024

Weather Forecast and Agromet Advisory

Period 08th October 2024 to 12th October 2024

Weather review of last week: During this period, the maximum temperature ranged between 36.0 to 38.0 °C and the minimum temperature ranged between 20.0 to 24.4°C. During this period, low wind speed observed with RH values of 94 % 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 (08.10.2024 to 12.10.2024) partially cloudy on 08.10.2024 to 11.10.2024 and clear sky on 12.10.2024. T _{min} will possibly range between 26.0-29.0°C and the T _{max} is likely to remain between 37.0-39.0 °C. During this period high wind velocity is likely to blow coupled with very relative humidity. Wind blow from then North-East, East-South-East, South, South-West and West-South-West directions.
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Weather Parameter	Date				
	08.10.2024	09.10.2024	10.10.2024	11.10.2024	12.10.2024
Rainfall (mm)	1	1	0	0	0
Cloud cover	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Clear sky
Temperature Maximum (° C)	38	37	37	39	39
Temperature Minimum (° C)	27	28	28	26	29
Wind direction	NE	ESE	S	SW	WSW
Minimum Relative humidity (%)	20	17	15	15	11
Maximum Relative humidity (%)	29	29	25	24	24
Wind velocity(km/hr)	5	7	9	14	10
Cumulative rains (mm)	02.00				

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	Conserve every drop of water and moisture for future. For the control of sucking pests (jassids, white fly, thrips etc) in cotton spray acetamiprid or thiamethoxam @ 5 g/15 litre water. Irrigate the sensitive crops at grain filling and boll forming stage in groundnut and cotton crop, respectively
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Crop	Stage	Details	Agro Advisory
Groundnut	Pegging & Pod formation	Insect Control	In groundnut for the management of leaf eating caterpillar spray of Indoxacarb 14.5 SC @ 0.8 ml/lit or Emamectin benzoate 5 SG @ 0.5 gm/lit of water found effective.
		Disease management	Prevailing and forecasted weather conditions may increase the chances of tikka disease in groundnut. Therefore, farmers are advised to spray of Mencozeb @ 2 gram per litre of water.
Sesame	Flowering	Insect Control	In case of infestation of caterpillar infestation in crop, spray of Indoxacab 14.5 SC 1 ml or Emamectin Benzoate 5 SG at the rate of 0.5 gram per liter of water.
Moth/mung bean	Maturity	Harvesting	Harvest mothbean and mungbean crop at physiological maturity stage prior to shattering losses.

Special advisory			Washing powder or other additive must be added in standing crop sprays.
Horticulture	Irrigation		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.
Milch animal	Feeding		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 prolapse.

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

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