



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



Ref. No.F.(2)/Agromet/23/913

District: - Bikaner

Dated:09.02.2024

Weather Forecast and Agromet Advisory

Period 09th February 2024 to 13th February 2024

<p>Weather review of last week: During this period the maximum temperature ranged between 21.3 to 23.9 °C and the minimum temperature ranged between 4.0 to 9.0°C. During this period, low wind speed observed with RH values of 21 % to 93%.</p>	<p>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 (09.02.2024 to 13.02.2024) clear sky on 09.02.2024, 10.02.2024 & 13.02.2024, cloudy on 11.02.2024 and dense cloudy 12.02.2024. T_{min} will possibly range between 09.0-12.0°C and the T_{max} is likely to remain between 24.0 °C. During this period, high winds velocity are likely to blow from the North-North-East, North-East and East-North-East directions.</p>
--	---

Weather Parameter	Date				
	09.02.2024	10.02.2024	11.02.2024	12.02.2024	13.02.2024
Rainfall (mm)	0	0	0	0	0
Cloud cover	Clear Sky	Clear Sky	Cloudy	Dense Cloudy	Clear Sky
Temperature Maximum (° C)	24	24	24	24	24
Temperature Minimum (° C)	9	9	10	12	12
Wind direction	ENE	ENE	NE	NE	NNE
Maximum Relative humidity (%)	23	24	26	24	30
Minimum Relative humidity (%)	11	11	13	14	13
Wind velocity(km/hr)	6	9	9	9	9
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.

Specifications	Chances of slight increase in temperatures that leads to increase in chances of insect pest and disease infestation in timely sown crops. Therefore, regularly watch fields, to diagnose insect pest & disease infestation for timely and effective management.		
Crop	Stage	Details	Agro Advisory
Wheat	Jointing stage & Spike formation	Irrigation	In timely sown wheat crop, provide the 3 rd irrigation at jointing stage (60-65 DAS) and 4 th irrigation at spike formation stage (75-80 DAS). In late sown wheat crop, provide the 3 rd irrigation at 21 to 28 days after 2 nd irrigation.
Barley	Jointing stage & Spike formation	Zinc deficiency	Deficiency symptoms of zinc appear in the standing barley crop, spray of 0.33 percent zinc sulphate (33 per cent) and 2 percent urea (50 grams of zinc sulphate and 300 grams of urea per 15 liters of water) are applied after 35-40 days of sowing.
Mustard	Flowering and grain formation	Insect and disease control	On aphid infestation, spray the mustard crop with malathion 50 EC @ 1200 ml/ha or Dimithoate 30 EC @ 1200 ml/ha along with water. Prevent mustard crop from white rust disease, spray 600 grams of soluble sulfur (80 percent) or 1 ml Dinocap (Kerathen) 30 EC per liter of water.
Cumin	Flowering	Irrigation	Withhold irrigation in cumin after flower initiation.
		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.
		Disease management	To control purple blotch in Onion (particularly in seed production programme) a spray 0.2% (2g/liter water) Mencozeb is required.
Livestock		Cold and nutrition management	Take care of domestic animals. Keep newborn calves and other animals in covered and protected area during night and morning to protect from cold wave. Incorporate concentrates and mineral mixtures into animal feed to obtain good quality and high milk yield.

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

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