



**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:10.12.2024

Weather Forecast and Agromet Advisory

Period 10th December 2024 to 14th December 2024

Weather review of last week: During this period, the maximum temperature ranged between 21.8 to 27.4 °C and the minimum temperature ranged between 2.5 to 7.4°C. During this period, low wind speed observed with RH values of 61 % to 97%.	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 (10.12.2024 to 14.12.2024) clear sky on 10.12.2024 to 14.12.2024. T _{min} will possibly range between 07.0-09.0°C and the T _{max} is likely to remain between 19.0-22.0 °C. During this period high wind velocity is likely to blow coupled with very low relative humidity? Wind blow from then North and North-East directions.
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Weather Parameter	Date				
	10.12.2024	11.12.2024	12.12.2024	13.12.2024	14.12.2024
Rainfall (mm)	0	0	0	0	0
Cloud cover	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Temperature Maximum (° C)	20	21	22	21	19
Temperature Minimum (° C)	8	8	9	9	7
Wind direction	NE	N	N	N	N
Minimum Relative humidity (%)	10	10	9	8	6
Maximum Relative humidity (%)	21	19	15	17	14
Wind velocity(km/hr)	8	10	11	8	4
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	Grain storage: Store the grain at or below 8 per cent moisture. Old gunny bags should be used after dry in sun light. Go dawn should be crack less and be fumigated @3g selphos per 200 cubic fit before storing the grain then closed air tight. Go dawn should be safe from rats.		
Crop	Stage	Details	Agro Advisory
Wheat and Barley	Preparation for sowing	Varieties, seed rate and seed treatment	Improved Varieties suitable for zone 1c for Wheat are Raj - 1482, Raj - 3077, HD - 2329, HD - 2687, Raj - 3777, PBW - 373, WH - 147, Raj - 4083 and Raj - 4120, for Barley are RD-2052, RD-2035, RD-2508, RD-2715. For one hectare area, use 125 kg/ha seed of wheat and 110 kg/ha seed of barley.
	Vegetative stage	Fertilizer and irrigation	Top dressing of 15kg urea/bigha in Wheat with first irrigation at CRI stages (20-25 DAS) Top dressing of 15 kg urea/bigha in barley with first irrigation (25-30 DAS).
Mustard and Chickpea	Vegetative stage	Fertilizer and irrigation	Apply first irrigation in mustard at 25 days after sowing and in gram at 40-45 days after sowing and also apply remaining dose of nitrogen @ 25 kg urea per bigha in mustard along with irrigation water.
		Insect control	The upcoming weather conditions are favourable for infestation of saw fly or painted bug. On clear days apply Quinolphos 1.5% or malathion 5% dust @ 25 kg/ha during morning or evening time and repeat after 15 days if required.
Isabgol and Cumin	Preparation for sowing	Varieties and seed rate	Improved Varieties suitable for zone 1c for cumin are GC 4, RZ -19, RZ 223, for isabgol are RI 89 & GI-2. For one hectare area, use 12-20 kg/ha seed of cumin and 5 kg/ha seed of isabgol.
Horticulture	Fruiting	Insect control	Regular irrigation in ber, kinnow, pomegranate and mausambi orchards for better quality fruits.
Forage	To get more fodder production from the first cutting of berseem, mix the seed of Chinese cabbage or oat at the time of sowing. To sowing of oat and barseem for get good green fodder production, use the seed of OS 6, OS 9 and BL 10, BL 22 varieties, respectively.		
Livestock	Health management	Continuous supply of calcium and mineral mixture to milch and breeding animals. Deworming medicine against endo parasites to the livestock (except pregnant animal) as per guidance of registered veterinarian.	

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

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