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District - Bikaner

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Weather Forecast and Agromet Advisory
Period 18th October 2024 to 22th October 2024

Weather review of last week: During this period, the maximum temperature ranged between 34.3 to 37.0 °C and the minimum temperature ranged between 16.5 to 20.0°C. During this period, low wind speed observed with RH values of 91 % 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 (18.10.2024 to 22.10.2024) clear sky on 18.10.2024 & 22.10.2024, partially cloudy on 19.10.2024 to 20.10.2024 and cloudy on 21.10.2024. T _{min} will possibly range between 24.0-26.0°C and the T _{max} is likely to remain between 36.0-37.0 °C. During this period high wind velocity is likely to blow coupled with very low relative humidity? Wind blow from then South-South-West, West-South-West, West and West-North-West directions.
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Weather Parameter	Date				
	18.10.2024	19.10.2024	20.10.2024	21.10.2024	22.10.2024
Rainfall (mm)	0	0	0	0	0
Cloud cover	Clear sky	Partially Cloudy	Partially Cloudy	Cloudy	Clear sky
Temperature Maximum (° C)	37	37	37	36	36
Temperature Minimum (° C)	24	24	25	26	25
Wind direction	WNW	W	WSW	SSW	WNW
Minimum Relative humidity (%)	12	11	12	15	12
Maximum Relative humidity (%)	21	18	20	23	25
Wind velocity(km/hr)	8	7	8	8	10
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	Conserve every drop of water and moisture for future. Harvest the crops viz., moong bean, moth bean and bajra on physiological maturity and store after proper sun drying. Prepare for sowing of <i>rabi</i> crops such as mustard, taramira, chickpea, fenugreek, wheat, cumin, isabgol, arrange seed, fertilizer etc.
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Crop	Stage	Details	Agro Advisory
Gram/ Taramira/ Mustard	Preparation for sowing	Sowing time, seed rate, seed treatment and varieties	Proper time for sowing of rainfed gram, taramira or mustard, use 15-20 kg seed of gram and 1 kg seed of taramira and mustard in a bigha land area. Treat the seed before sowing, in gram 2g Carbendazim/kg seed and in mustard 5g apron 35 SD/kg seed. Important varieties of gram suitable for zone IC are GNG-2144, GNG-1958, GNG-1581, GNG-1488 for desi gram & GNG-1969, GNG-1499 for Kabuli gram and Giriraj, RGN-73, RGN-229, RH-749, RGN-48, RH-119 for Mustard and RTM-314, RTM-2002 for taramira.
Groundnut	Pod filling	Irrigation	Apply irrigation to groundnut crop as and when required.
Horticulture		Irrigation & spray	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.
		Nursery preparation	Prepare nursery of tomato and brinjal. Transplant the seedlings of early varieties of cauliflower and late varieties of cabbage.
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.
Livestock		Health management	Give deworming medicine against endo parasites to the livestock (calves & non pregnant lactating cows). 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 prolepses.

Associate Professor and Technical Officer
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