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District: - Bikaner

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Weather Forecast and Agromet Advisory

Period 02th July 2024 to 06th July 2024

Weather review of last week: During this period the maximum temperature ranged between 37.4 to 41.5 °C and the minimum temperature ranged between 25.3 to 29.3°C. During this period, low wind speed observed with RH values of 36 % to 80%.	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 (02.07.2024 to 06.07.2024) overcast on 02.07.2024 to 04.07.2024 & 06.07.2024 and dense cloudy on 05.07.2024. T _{min} will possibly range between 27.0-30.0°C and the T _{max} is likely to remain between 35.0-40.0 °C. During this period, high wind velocity is likely to blow from then South-South-West directions.
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Weather Parameter	Date				
	02.07.2024	03.07.2024	04.07.2024	05.07.2024	06.07.2024
Rainfall (mm)	3	5	6	2	8
Cloud cover	Overcast	Overcast	Overcast	Dense Cloudy	Overcast
Temperature Maximum (° C)	40	40	39	37	35
Temperature Minimum (° C)	29	30	29	28	27
Wind direction	SSW	SSW	SSW	SSW	SSW
Minimum Relative humidity (%)	36	43	34	35	43
Maximum Relative humidity (%)	59	63	56	61	62
Wind velocity(km/hr)	26	19	22	31	18
Cumulative rains (mm)	24.00				

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	Temperature may likely to decrease during coming days with moderate wind speed Conserve every drop of water and moisture for future. Dusting of pesticides and heavy tillage operations should be avoided to avoid losses of chemicals and upper fertile soils due to moderate wind speed. For the sowing of Kharif crops, keep arrangements for agricultural machinery, fertilizers, seeds, etc.		
Crop	Stage	Details	Agro Advisory
Groundnut	Preparation for sowing	Field preparation, sowing time and seed rate, fertilizers, varieties, seed treatment	Now Optimum sowing time of groundnut. Prepare land and arrange seed, fertilizer, implements etc. Use seed rate of groundnut at 20 kg per bigha. Keep row to row 30 cm spacing. Before sowing of ground nut, treat the seed with 2.5 g chlorotheloniol OR 2.0 g carbendizem per kg seed and to control termite treat the seed with 3.0 ml/kg imidacloprid. Then treat the seed with rhizobium and PSB culture @ 3 packets/ha. Use 44 kg urea and 200 kg SSP fertilizers for one hectare area as basal dose at the time of sowing. Use certified seed of improved varieties as HNG-10, TG37A etc.
Green gram			Second fortnight of June is optimum time for green gram sowing (SML – 668, MUM-2, RMG-62, RMG-268, K-851 and RMG-492 are good varieties) with 4kg seed/bigha.
Pearl millet	Preparation for sowing		Prepare for sowing of Rainfed pearl millet on receiving of monsoon rains. Arrange seed of improved varieties as MPMH 17, RHB 177, RHB 173, HHB 67(i), ICMH 356 etc
Forage crops			Top dressing of urea in forage crops can be done in case of rains.
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, Nutrition and health	Provide good quality drinking water to animals. Prepare and fed protein rich high nutritive urea – molasses bricks as per the guidance of registered veterinarian

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