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District: - Bikaner

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Weather Forecast and Agromet Advisory

Period 15th September 2023 to 19th September 2023

Weather review of last week: During this period the maximum temperature ranged between 39.3 to 39.7 °C and the minimum temperature ranged between 26.0 to 28.0 °C. During this period, low wind speed observed with RH values of 40 % to 65%.		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 (15.09.2023 to 19.09.2023) partially cloudy on 15.09.2023 to 19.09.2023. T _{min} will possibly range between 27.0-29.0°C and the T _{max} is likely to remain between 33.0-36.0 °C. During this period, high winds velocity are likely to blow from the East, East-South-East and South-East directions.				
Weather Parameter		Date				
		15.09.2023	16.09.2023	17.09.2023	18.09.2023	19.09.2023
Rainfall (mm)		8	2	0	0	0
Cloud cover		Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy	Partially Cloudy
Temperature Maximum (° C)		36	35	34	33	33
Temperature Minimum (° C)		28	29	28	28	27
Wind direction		ESE	E	E	ESE	SE
Maximum Relative humidity (%)		43	51	64	63	59
Minimum Relative humidity (%)		29	33	36	39	34
Wind velocity(km/hr)		14	21	25	19	11
Cumulative rains (mm)		10.00				
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. Inter culture operations in all crops to conserve moisture, better aeration and to control weeds. For the control of sucking pests (jassids, white fly, thrips etc) in guar and pulses, spray acetamiprid or thiamethoxam @ 3 g/10 litre water.					
Crop	Stage	Details	Agro Advisory			
Groundnut	Pod development	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.			
Guar	Pod formation & development	Disease management	These weather conditions may also increase the chances of bacterial leaf blight in guar crop. Farmers are advised to spray 2.5 g Streptocycline along with 30 g Copper oxychloride / 10 litre water. Repeat the spray if required.			
Green gram/Mothbean	Pod formation & development	Insect Control	To control jassid and thrips in greengram/mothbean crops, spray of dimethoate (30 EC) @ 2.5 ml/liter of water.			
Sesame	Capsules formation & development	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.			
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.			

Assistant Professor and Technical Officer
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Zonal Director Research and
Nodal Officer - Gramin Krishi Mausam Sewa