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Ref. No.F.(2)/Agromet/23/305

District: - Bikaner

Dated:19.05.2023

Weather Forecast and Agromet Advisory

Period 19th May 2023 to 23th May 2023

Weather review of last week: During this period the maximum temperature ranged between 39.5 to 41.7 ° C and the minimum temperature ranged between 21.5 to 22.3 ° C. During this period, low wind speed observed with RH values of 25 % to 69%.	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, for the next 5 days in Bikaner district (19.05.2023 to 23.05.2023) clear sky on 19.05.2023 to 20.05.2023, the partially cloudy on 21.05.2023 to 22.05.2023, the dense cloudy on 23.05.2023. T _{min} will possibly range between 26.0-29.0 °C and the T _{max} is likely to remain between 40-44 °C. During this period, moderate winds velocity are likely to blow from the South-South-East, South-West and West-South-West directions.
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Weather Parameter	Date				
	19.05.2023	20.05.2023	21.05.2023	22.05.2023	23.05.2023
Rainfall (mm)	0	0	2	1	10
Cloud cover	Clear sky	Clear sky	Partially Cloudy	Partially Cloudy	Dense Cloudy
Temperature Maximum (° C)	41	43	44	42	40
Temperature Minimum (° C)	26	28	29	28	27
Wind direction	WSW	SW	SW	SW	SSE
Maximum Relative humidity (%)	26	29	41	40	39
Minimum Relative humidity (%)	9	8	10	12	15
Wind velocity(km/hr)	26	24	27	23	20
Cumulative rains (mm)	13.00				

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	Timely irrigate the cotton and horticultural fruit crops such as date palm, Kinnow, orange and lemon and vegetable crops such as kakari, water melon, musk melon, tinda and tomato. Conserve every drop of water and moisture for future.		
Crop	Stage	Details	Agro Advisory
Groundnut	Preparation for sowing	Field preparation, sowing time and seed rate	Optimum sowing time of groundnut start from June. Prepare land and arrange seed, fertilizer, implements etc., Use seed rate of groundnut at 20 kg per bigha. Keep row to row 30 cm.
Ber		Pruning	Start pruning operation in Ber and it should be completed by end of May. It is most essential operation in Ber as flowering and fruiting takes place only on the new growth branches.
Cucurbit Vegetables	Fruiting	Picking	Picking of cucurbits should be done at proper stage. Changes in colour of fruit, drying of stalk near fruit, thumping sound etc are important symptoms of ripening of fruits. Do not pick up fruits just after (12-24 hours) after irrigation. Avoid plucking of unripe fruits.
Livestock		Food, Nutrition and health	To protect domestic animals from heat wave, keep animals in animal shelter/shed during day time. Provide good quality drinking water to animals. Prepare and fed protein rich high nutritive urea – molasses bricks as per the guidance of registered veterinarian
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 Celphos per 200 cubic fit before storing the grain then closed air tight. Go dawn should be safe from rats.

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

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