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Ref. No.F.(2)/Agromet/24

Dated:19.07.2024

District: - Bikaner

Weather Forecast and Agromet Advisory

Period 19th July 2024 to 23th July 2024

Weather review of last week: During this period the maximum temperature ranged between 36.8 to 40.0 °C and the minimum temperature ranged between 19.0 to 28.0°C. During this period, low wind speed observed with RH values of 90 % to 99%.	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 (19.07.2024 to 23.07.2024) partially cloudy on 19.07.2024, overcast on 20.07.2024 to 21.07.2024 and dense cloudy on 22.07.2024 to 23.07.2024. T _{min} will possibly range between 27.0-30.0°C and the T _{max} is likely to remain between 39.0-43.0 °C. During this period, high wind velocity is likely to blow from then South-South-West and South-West directions.
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Weather Parameter	Date				
	19.07.2024	20.07.2024	21.07.2024	22.07.2024	23.07.2024
Rainfall (mm)	0	2	11	3	10
Cloud cover	Partially Cloudy	Overcast	Overcast	Dense Cloudy	Dense Cloudy
Temperature Maximum (° C)	43	41	43	42	39
Temperature Minimum (° C)	29	30	30	29	27
Wind direction	SW	SSW	SSW	SSW	SSW
Minimum Relative humidity (%)	28	35	35	40	49
Maximum Relative humidity (%)	41	48	55	51	59
Wind velocity(km/hr)	12	20	22	24	14
Cumulative rains (mm)	26.00				

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.		
Crop	Stage	Details	Agro Advisory
Groundnut	Branching	Yellowing management	Spray 0.5 percent ferrous sulphate and 01 percent citric acid when symptoms of yellowing appear in the standing groundnut crop.
		Weed control	In case of weeds in groundnut crop, 30-40 days after sowing or after first irrigation or after rain, one weeding must be done. In standing crop, control grass family weeds at 20-25 days after sowing spray of 1000 ml of quiozalophos ethyl 5 percent EC mix with 500 liters water and make solution for one hectare.
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. use 1 kg seed of pearl millet per bigha.
Cluster bean, Sesame and Moth bean	Preparation for sowing	Varieties and seed rate	Farmers should get ready for showing of Kharif crops with Cluster bean varieties HG-75, RGC-936, RGC-197, RGC-986, RGC-1017, RGC-1002, RGC-1003, RGC-1066, RGC-1031, HG-2-20; Sesame varieties RT-46, RT-125, RT-127, RT-346, RT-351 and Moth varieties RMO-275, RMO-225, RMO-435, RMO-423, RMO-40 and RMO-2251 are suitable for the region. Moth 3kg seed/bigha, Sesame ½ kg seed/bigha, and for branched Cluster bean 4 kg seed/bigha, and 6 kg seed/bigha for single stem cluster bean.
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 and Nutrition	Prepare and feed protein rich high nutritive urea – molasses bricks as per the guidance of registered veterinarian

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