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District: - Bikaner

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Weather Forecast and Agromet Advisory

Period 14th November 2024 to 18th November 2024

Weather review of last week: During this period, the maximum temperature ranged between 31.8 to 33.4 °C and the minimum temperature ranged between 12.0 to 15.0°C. During this period, low wind speed observed with RH values of 91 % to 98%.	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 (14.11.2024 to 18.11.2024) clear sky on 14.11.2024 to 18.11.2024. T _{min} will possibly range between 15.0-19.0°C and the T _{max} is likely to remain between 30.0-32.0 °C. During this period high wind velocity is likely to blow coupled with very low relative humidity? Wind blow from then East-East-South, North-North-West, North, North-North-East, East directions.
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Weather Parameter	Date				
	14.11.2024	15.11.2024	16.11.2024	17.11.2024	18.11.2024
Rainfall (mm)	0	0	0	0	0
Cloud cover	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Temperature Maximum (° C)	32	32	32	31	30
Temperature Minimum (° C)	19	18	18	17	15
Wind direction	EES	NNW	N	NNE	E
Minimum Relative humidity (%)	15	16	15	15	15
Maximum Relative humidity (%)	24	27	33	27	27
Wind velocity(km/hr)	6	12	12	7	5
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	Prepare for sowing of <i>rabi</i> crops such as fenugreek, wheat, cumin, isabgol, arrange seed, fertilizer etc.		
Crop	Stage	Details	Agro Advisory
Chickpea	Preparation for sowing	Varieties, seed rate and seed treatment	Important varieties of gram suitable for zone 1c are GNG-2144, GNG-1958, GNG-1581, GNG-1488 for desi gram & GNG-1969, GNG-1499 for Kabuli gram. For sowing of <i>gram</i> using seed rates of 60-80 kg seed per hectare land area. Treat the seed before sowing with 2g Carbendazim/kg seed.
Fenugreek	Preparation for sowing	Varieties, seed rate and seed treatment	Important varieties of fenugreek suitable for zone 1c are RMT-1 and RMT-305. For sowing of <i>fenugreek</i> using seed rates of 24 kg seed per hectare land area. Treat the seed before sowing with 2g Carbendazim/kg seed.
Wheat and Barley	Preparation for sowing	Varieties, seed rate and seed treatment	Improved Varieties suitable for zone 1c for Wheat are DBW 187, DBW 222, DBW 303, Raj - 1482, Raj - 3077, HD - 2329, HD - 2687, Raj - 3777, PBW - 373, WH - 147, Raj - 4083 and Raj - 4120, for Barley are RD-2052, RD-2035, RD-2508, RD-2715. For one hectare area, use 100 kg/ha seed of wheat and 80-100 kg/ha seed of barley. Treat the seed before sowing with 2-3g Mencozeb/kg seed.
Isabgol and Cumin	Preparation for sowing	Varieties and seed rate	Improved Varieties suitable for zone 1c for cumin are GC 4, RZ -19, RZ 223, for isabgol are RI 89 & GI-2. For one hectare area, use 12-20 kg/ha seed of cumin and 5 kg/ha seed of isabgol.
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. To sowing of oat and barseem for get good green fodder production, use the seed of OS 6, OS 9 and BL 10, BL 22 varieties, respectively.
Livestock	Health management		Give deworming medicine against endo parasites to the livestock as per guidance of registered veterinarian.

Associate Professor and Technical Officer
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