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District: - Bikaner

Dated:24.12.2024

Weather Forecast and Agromet Advisory

Period 24th December 2024 to 28th December 2024

Weather review of last week: During this period, the maximum temperature ranged between 17.7 to 25.7 °C and the minimum temperature ranged between 2.0 to 11.0°C. During this period, low wind speed observed with RH values of 49 % to 91%.	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 (24.12.2024 to 28.12.2024) clear sky on 24.12.2024 to 25.12.2024 & 27.12.2024 to 28.12.2024 and partially cloudy on 26.12.2024. T _{min} will possibly range between 08.0-13.0°C and the T _{max} is likely to remain between 18.0-20.0 °C. During this period high wind velocity is likely to blow coupled with very low relative humidity? Wind blow from then North-North-East and North-East directions.
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Weather Parameter	Date				
	24.12.2024	25.12.2024	26.12.2024	27.12.2024	28.12.2024
Rainfall (mm)	0	0	0	0	1
Cloud cover	Clear sky	Clear sky	Partially Cloudy	Clear sky	Clear sky
Temperature Maximum (° C)	18	18	20	20	20
Temperature Minimum (° C)	8	8	10	12	13
Wind direction	NE	NE	NE	NNE	NE
Minimum Relative humidity (%)	30	28	27	16	11
Maximum Relative humidity (%)	51	44	32	50	23
Wind velocity(km/hr)	13	13	10	10	6
Cumulative rains (mm)	01.00				

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 For good growth of crops spray 1 percent NPK (19:19:19) in standing crop.
Conserve every drop of water and moisture for future.

Crop	Stage	Details	Agro Advisory
Wheat	Growth	Irrigation & fertilizer	In late sown wheat crop, provide the first irrigation at 30-35 DAS and top dressing of 15 kg urea per bigha with irrigation water.
		Zinc deficiency	Deficiency symptoms of zinc appear in the standing wheat crop, spray of 0.33 percent zinc sulphate (33 percent) and 2 percent urea (50 grams of zinc sulphate and 300 grams of urea per 15 liters of water) are applied after 35-40 days of sowing.
Barley	Growth	Weed control	For the control of broad leaf weeds in barley, spray 500 gm 2,4 - D ester or 700 gm 2,4 - D amine salt in 500 to 700 liters of water per hectare at 30 to 35 days of sowing in dwarf varieties and after 40 to 45 days of sowing in other varieties.
Mustard	Vegetative stage	Fertilizer and irrigation	Apply first irrigation in mustard at 25 days after sowing and also apply remaining dose of nitrogen @ 25 kg urea per bigha in mustard along with irrigation water.
		Insect control	The upcoming weather conditions are favourable for infestation of saw fly or painted bug. On clear days apply Quinolphos 1.5% or malathion 5% dust @ 25 kg/ha during morning or evening time and repeat after 15 days if required.
Forage crop	Growth	Irrigation & fertilizer	Irrigate the fodder crops as oat, lucerne, berseem etc. at an interval of 15 to 20 days. Top dress the urea @ 65-85 kg per ha in fodder oat after every cut.
Horticulture		Irrigation	Irrigate regularly Ber orchards for quality fruits.
		Frost management	Cover the new plants with munja thatches, gunny bags, non-woolen material and locally available material.
Livestock		Cold management	Keep newborn calves and other animals in covered and protected area during night and morning to protect from cold wave. Change the litter of animals timely and make arrangement of plenty of drinking water for the animals.

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

**Zonal Director Research and
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