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Ref. No.F.(2)/Agromet/24
District: - Bikaner

Dated:27.12.2024

Weather Forecast and Agromet Advisory
Period 27th December 2024 to 31st December 2024

<p>Weather review of last week: During this period, the maximum temperature ranged between 19.4 to 21.5 °C and the minimum temperature ranged between 2.0 to 13.6°C. During this period, low wind speed observed with RH values of 44 % to 93%.</p>	<p>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 (27.12.2024 to 31.12.2024) clear sky on 27.12.2024 to 31.12.2024. T_{min} will possibly range between 09.0-10.0°C and the T_{max} is likely to remain between 22.0-24.0 °C. During this period high wind velocity is likely to blow coupled with very low relative humidity? Wind blow from then North, North-North-East and North-East directions.</p>
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Weather Parameter	Date				
	27.12.2024	28.12.2024	29.12.2024	30.12.2024	31.12.2024
Rainfall (mm)	0	0	0	0	0
Cloud cover	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Temperature Maximum (° C)	24	23	22	23	24
Temperature Minimum (° C)	10	10	9	9	10
Wind direction	N	NE	NE	NNE	N
Minimum Relative humidity (%)	25	34	27	13	9
Maximum Relative humidity (%)	72	75	53	34	21
Wind velocity(km/hr)	12	9	8	8	7
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	Control weeds wherever it found. Conserve every drop of water and moisture for future. Drive slowly during less visibility to protect lives.		
Crop	Stage	Details	Agro Advisory
Wheat	Growth	Irrigation & fertilizer	In late sown wheat crop, provide the first irrigation at 20-21 DAS and top dressing of 15 kg urea per bigha with irrigation water; 10 kg urea per bigha with 2 nd irrigation at 35 -40 DAS.
		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.
		Weed Control	For the control of broad leaf weeds in wheat spray 500 gm 2, 4 - D ester salt 4 g metsulfuron methyl 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.
Barley	Growth	Weed control	For the control of broad leaf weeds in barley, spray 500 gm 2, 4 - D ester salt 4 g metsulfuron methyl 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	White rust	On appearance of early symptoms of white rust (irregular white bristles on leaves) apply 2 g redomil MZ per liter of water.
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, kinnow and other 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	All domestic animals should remain in covered and protected area during night and morning hours 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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