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**Ref. No.F.(2)/Agromet/23/753**

**District: - Bikaner**

**Dated:01.12.2023**

### Weather Forecast and Agromet Advisory

Period 01<sup>st</sup> December 2023 to 05<sup>th</sup> December 2023

<b>Weather review of last week:</b> During this period the maximum temperature ranged between 20.4 to 24.5 °C and the minimum temperature ranged between 10.4 to 11.6 °C. During this period, low wind speed observed with RH values of 56 % to 98%.	<b>Weather forecast for the coming week:</b> 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 (01.12.2023 to 05.12.2023) clear sky on 01.12.2023 to 05.12.2023. T <sub>min</sub> will possibly range between 11.0-14.0°C and the T <sub>max</sub> is likely to remain between 24.0-25.0 °C. During this period, high winds velocity are likely to blow from the North and North-North-East directions.
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Weather Parameter	Date				
	28.11.2023	29.11.2023	30.11.2023	01.12.2023	02.12.2023
Rainfall (mm)	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Cloud cover	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Temperature Maximum (° C)	<b>24</b>	<b>24</b>	<b>25</b>	<b>24</b>	<b>24</b>
Temperature Minimum (° C)	<b>14</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>11</b>
Wind direction	NNE	NNE	N	NNE	NNE
Maximum Relative humidity (%)	<b>45</b>	<b>36</b>	<b>31</b>	<b>24</b>	<b>23</b>
Minimum Relative humidity (%)	<b>26</b>	<b>22</b>	<b>18</b>	<b>14</b>	<b>15</b>
Wind velocity(km/hr)	<b>11</b>	<b>9</b>	<b>10</b>	<b>8</b>	<b>6</b>
Cumulative rains (mm)	<b>00.00</b>				

**Agro Advisory:** Based on the weather review of last week and the weather forecast for this week, the following advice given to the farmer.

<b>Specific advisory</b>	<b>Grain storage:</b> Store the grain at or below 8 per cent moisture. Old gunny bags should be used after dry in sun light. Go down should be crack less and be fumigated @3g selphos per 200 cubic fit before storing the grain then close air tight. Go down should be safe from rats.
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Crop	Stage	Details	Agro Advisory
Wheat and Barley	Preparation for sowing	Varieties, seed rate and seed treatment	Improved Varieties suitable for zone 1c for Wheat are 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.
	Vegetative stage	Fertilizer and irrigation	Top dressing of 15kg urea/bigha in Wheat with first irrigation at CRI stages (20-25 DAS) Top dressing of 15 kg urea/bigha in barley with first irrigation (25-30 DAS).
Mustard and Chickpea	Vegetative stage	Fertilizer and irrigation	Apply first irrigation in mustard at 25 days after sowing and in gram at 40-45 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.
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.
Horticulture	Fruiting	Insect control	To control fruit fly in Ber spray of 1ml dimethoate 30 EC/liter water, spray should be repeated after an interval of 15-20 days.
Livestock		Health management	Give deworming medicine against endo parasites to the livestock as per guidance of registered veterinarian.

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

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