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

**Dated:19.03.2024**

### Weather Forecast and Agromet Advisory

Period 19<sup>th</sup> March 2024 to 23<sup>th</sup> March 2024

<p><b>Weather review of last week:</b> During this period the maximum temperature ranged between 30.0 to 33.3 °C and the minimum temperature ranged between 11.0 to 14.0°C. During this period, low wind speed observed with RH values of 18 % to 78%.</p>	<p><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 (19.03.2024 to 23.03.2024) Clear sky on 19.03.2024, 21.03.2024 &amp; 22.03.2024 and Overcast on 20.03.2024 &amp; 23.03.2024. T<sub>min</sub> will possibly range between 19.0-22.0°C and the T<sub>max</sub> is likely to remain between 35.0-40.0 °C. During this period, high winds velocity are likely to blow from the North-North-East, East, South and West-North-West directions.</p>
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Weather Parameter	Date				
	19.03.2024	20.03.2024	21.03.2024	22.03.2024	23.03.2024
Rainfall (mm)	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Cloud cover	Clear Sky	Overcast	Clear Sky	Clear Sky	Overcast
Temperature Maximum (° C)	<b>35</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
Temperature Minimum (° C)	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>22</b>
Wind direction	E	S	WNW	E	NNE
Maximum Relative humidity (%)	<b>15</b>	<b>12</b>	<b>15</b>	<b>21</b>	<b>23</b>
Minimum Relative humidity (%)	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>12</b>
Wind velocity(km/hr)	<b>10</b>	<b>13</b>	<b>14</b>	<b>8</b>	<b>12</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 is given to the farmer.

<b>Specifications</b>	High temperature may increase the water demand of the <i>rabi</i> crops. Therefore irrigate the crops as and when crops show wilting symptoms and as per need on the basis of critical growth stages. Prepare land, arrange fertilizers & seeds and sowing of Kakri, Kachri, Guar, cowpea, mungbean crops.		
<b>Crop</b>	<b>Stage</b>	<b>Details</b>	<b>Agro Advisory</b>
Wheat	grain formation	Irrigation	In timely sown wheat crop, provide the 6 <sup>th</sup> irrigation at grain ripening stage (105-110 DAS). In late sown wheat crop, provide the 5 <sup>th</sup> irrigation at 14-21 days after 4 <sup>rd</sup> irrigation.
		Terminal heat management	To avoid the damage caused by terminal heat in case of sudden rise in temperature, sprays of potassium chloride 0.2 per cent at heading stage may reduce the losses.
Chick pea	Grain development	Insect control	In late sown chickpea crop, to control pod borer do spray of Indoxacarb 200 ml or Emmamectin benzoate @ 100 gram per hectare along with water.
Mustard	Maturity	Harvesting	To prevent scattering of pods of mustard, crop harvest at physiological maturity stage.
Fenugreek	Seed development and maturity	Irrigation	Provide irrigation to late sown fenugreek crop.
		Harvesting	In timely sown fenugreek crop, to prevent scattering of pods crop harvest timely.
Horticulture		Irrigation	Timely irrigate the horticultural crops.
Livestock		Health management	Adopt preventive measures against mastitis in milch animals. Vaccinate the livestock animals against foot and mouth disease and provide oral dose of medicine against stomach worms Provide good quality drinking water to animals.

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