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**Ref. No.F(2)/Agromet/25**

**District: - Bikaner**

**Dated: 11.07.2025**

### Weather Forecast and Agromet Advisory

Period 11<sup>th</sup> July 2025 to 15<sup>th</sup> July 2025

<b>Weather review of last week:</b> During this period, the maximum temperature ranged between 34.2 to 38.0 °C and the minimum temperature ranged between 24.0 to 27.5°C. During this period, low wind speed observed with RH values of 45% to 81%.	<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 (11.07.2025 to 15.07.2025) partially cloudy on 11.07.2025, cloudy on 12.07.2025 & 14.07.2025 and overcast on 13.07.2025 & 15.07.2025. Tmin will possibly range between 25.0-28.0°C and the T <sub>max</sub> is likely to remain between 33.0-38.0 °C. During this period high wind velocity is likely to blow coupled with very low relative humidity? Wind blow from the South-South-West and South-West directions.
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Weather Parameter	Date				
	11.07.2025	12.07.2025	13.07.2025	14.07.2025	15.07.2025
Rainfall (mm)	<b>2</b>	<b>8</b>	<b>3</b>	<b>14</b>	<b>8</b>
Cloud cover	Partially Cloudy	Cloudy	Overcast	Cloudy	Overcast
Temperature Maximum (° C)	<b>36</b>	<b>38</b>	<b>38</b>	<b>33</b>	<b>33</b>
Temperature Minimum (° C)	<b>28</b>	<b>28</b>	<b>28</b>	<b>25</b>	<b>25</b>
Wind direction	SSW	SW	SSW	SW	SW
Minimum Relative humidity (%)	<b>44</b>	<b>30</b>	<b>38</b>	<b>39</b>	<b>41</b>
Maximum Relative humidity (%)	<b>50</b>	<b>53</b>	<b>52</b>	<b>65</b>	<b>56</b>
Wind velocity(km/hr)	<b>16</b>	<b>15</b>	<b>16</b>	<b>8</b>	<b>12</b>
Cumulative rains (mm)	<b>35.00</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>Specific advisory</b>	There is a possibility of light rain / Dust storm /Thunderstorm/ Lightning accompanied with Hail & Squall at isolated places in coming days. Store the grains and commodities kept in the open in the Krishi Mandies in a safe place so that they can be saved from getting wet. Stay away from trees, poles and water sources during thunder and lightning and take shelter in a safe place. Conserve every drop of water and moisture for future. Apply Gypsum or well decomposed compost along with deep ploughing before onset of monsoon to reclaim alkali/sodic soils.		
<b>Crop</b>	<b>Stage</b>	<b>Details</b>	<b>Agro Advisory</b>
Groundnut	Sowing	Sowing time and seed rate, fertilizers, varieties, seed treatment	Late time of groundnut sowing. Prepare land and arrange seed, fertilizer, implements etc. Use seed rate of groundnut at 20 kg per bigha. Keep row to row 30 cm spacing. Before sowing of ground nut, treat the seed with 2.5 g chlorotheloniol per kg seed and to control termite treat the seed with 3.0 ml/kg imidacloprid. Then treat the seed with rhizobium and PSB culture @ 3 packets/ha. Use 44 kg urea and 200 kg SSP fertilizers for one hectare area as basal dose at the time of sowing. Use certified seed of improved varieties as RG-510, HNG-123, Mallika, HNG-69, HNG-10, TG37A etc.
Green gram	Preparation for sowing		Optimum time for green gram sowing (SML – 668, MH-421, MH-1142, Varsha (IPM 2K14-9), Shikha (IPM 410-3), RMG-62, RMG-268 and RMG-492 are good varieties) with 4kg seed/bigha.
Pearl millet	Preparation for sowing		Sowing time of Rainfed pearl millet on receiving of monsoon rains. Arrange seed of improved varieties as MPMH 17, RHB 177, RHB 173, HHB 67(i), ICMH 356 etc
Cluster bean, Sesame and Moth bean	Preparation for sowing	Varieties and seed rate	Farmers should get ready for showing of Kharif crops with Cluster bean varieties RGr-18-1, RGr-12-1, HG-75, RGC-936, RGC-197, RGC-986, RGC-1017, RGC-1002, RGC-1003, RGC-1066, RGC-1031, HG-2-20; Sesame varieties RT-46, RT-125, RT-127, RT-346, RT-351 and Moth varieties RMO-275, RMO-225, RMO-435, RMO-423, RMO-40 and RMO-2251 are suitable for the region. Moth 3kg seed/bigha, Sesame ½ kg seed/bigha, and for branched Cluster bean 4 kg seed/bigha, and 6 kg seed/bigha for single stem cluster bean.
Cucurbit Vegetables	Fruiting	Picking	Picking of cucurbits should be done at proper stage. Changes in color of fruit, drying of stalk near fruit, thumping sound etc are important symptoms of ripening of fruits. Do not pick up fruits just after (12-24 hours) after irrigation. Avoid plucking of unripe fruits.
Fodder sorghum	1st cutting	Reduce toxicity of fodder sorghum	Late sown sorghum may be poisonous due 'DHURIN' content which is harmful for animals. Therefore, cut and feed the sorghum to the animals after providing 2-3 irrigations or just after good rains.
Livestock		Food, Nutrition and health	Provide good quality drinking water to animals. Prepare and feed protein rich high nutritive urea – molasses bricks as per the guidance of registered veterinarian

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