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

**Dated:03.12.2024**

**Weather Forecast and Agromet Advisory**  
Period 03<sup>th</sup> December 2024 to 07<sup>th</sup> December 2024

|   |   |
|---|---|
| <b>Weather review of last week:</b> During this period, the maximum temperature ranged between 26.7 to 29.9 °C and the minimum temperature ranged between 8.7 to 11.2°C. During this period, low wind speed observed with RH values of 73 % to 99%. | <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 (03.12.2024 to 07.12.2024) clear sky on 03.12.2024 to 07.12.2024. T <sub>min</sub> will possibly range between 12.0-16.0°C and the T <sub>max</sub> is likely to remain between 27.0-28.0 °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, North-East, West and North-North-West directions. |
|---|---|

| Weather Parameter             | Date         |            |            |            |            |
|-------------------------------|--------------|------------|------------|------------|------------|
|                               | 03.12.2024   | 04.15.2024 | 05.12.2024 | 06.12.2024 | 07.12.2024 |
| 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>28</b>    | <b>28</b>  | <b>28</b>  | <b>28</b>  | <b>27</b>  |
| Temperature Minimum (° C)     | <b>16</b>    | <b>15</b>  | <b>15</b>  | <b>14</b>  | <b>12</b>  |
| Wind direction                | N            | W          | NNW        | NE         | NNE        |
| Minimum Relative humidity (%) | <b>19</b>    | <b>14</b>  | <b>12</b>  | <b>7</b>   | <b>7</b>   |
| Maximum Relative humidity (%) | <b>38</b>    | <b>23</b>  | <b>28</b>  | <b>16</b>  | <b>13</b>  |
| Wind velocity(km/hr)          | <b>10</b>    | <b>4</b>   | <b>7</b>   | <b>5</b>   | <b>10</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.

**Specific advisory** **Grain storage:** Store the grain at or below 8 per cent moisture. Old gunny bags should be used after dry in sun light. Go dawn should be crack less and be fumigated @3g selphos per 200 cubic fit before storing the grain then closed air tight. Go dawn should be safe from rats.

| Crop                 | Stage                  | Details                                 | Agro Advisory   |
|----------------------|------------------------|---|---|
| Fenugreek            | Preparation for sowing | Varieties, seed rate and seed treatment | Important late sown varieties of fenugreek suitable for zone Ic are RMT-305 and AFG-4. For sowing of <i>fenugreek</i> using seed rates of 24 kg seed per hectare land area. Treat the seed before sowing with 2g Carbendazim/kg seed.   |
| 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.  |
| Horticulture         | Fruiting               | Insect control                          | Regular irrigation in ber, kinnow, pomegranate and mausambi orchards for better quality fruits.   |
| 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.<br>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.                             |
| Livestock            |                        | Health management                       | Continuous supply of calcium and mineral mixture to milch and breeding animals. Deworming medicine against endo parasites to the livestock (except pregnant animal) as per guidance of registered veterinarian.   |

**Associate Professor and Technical Officer**  
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**Zonal Director Research and**  
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