Weather summary of previous 5 days (27\textsuperscript{th} to 02\textsuperscript{nd}, 2020)  

<table>
<thead>
<tr>
<th>Range of Max. Temperature (°C)</th>
<th>23.0-25.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of Min. Temperature (°C)</td>
<td>10.6-13.8</td>
</tr>
<tr>
<td>Range of Relative Humidity (%)</td>
<td>40-46</td>
</tr>
<tr>
<td>Rainfall (mm)</td>
<td>20.0</td>
</tr>
</tbody>
</table>

Ensembled forecast for next 5 days (0830 hrs, 04\textsuperscript{th} to 08 March, 2020)  

<table>
<thead>
<tr>
<th>Date</th>
<th>04/02/20</th>
<th>05/03/20</th>
<th>06/03/20</th>
<th>07/03/20</th>
<th>08/03/20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>0</td>
<td>5</td>
<td>25</td>
<td>25</td>
<td>10</td>
</tr>
<tr>
<td>Maximum Temp</td>
<td>26</td>
<td>23</td>
<td>20</td>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>Minimum Temp</td>
<td>11</td>
<td>13</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>% RH (Max)</td>
<td>80</td>
<td>90</td>
<td>95</td>
<td>95</td>
<td>95</td>
</tr>
<tr>
<td>% RH (Min)</td>
<td>50</td>
<td>60</td>
<td>70</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>Wind Speed in kms</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>40</td>
<td>150</td>
<td>55</td>
<td>135</td>
<td>40</td>
</tr>
<tr>
<td>Cloudiness</td>
<td>2</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

The sky may remain partially cloudy to mainly cloudy with chances of light to moderate rainfall from 05\textsuperscript{th} to 08\textsuperscript{th} March 2020. The maximum temperature may vary from 20 °C to 26 °C while minimum temperature may range from 9°C to 13°C. During this period wind may blow in North East to South South East direction with the average speed of 1km/hr. The morning relative humidity may range from 80 to 95% and the evening relative humidity may range from 50 to 70% during this period.

WEATHER FORECAST BASED AGROMET ADVISORIES W.E.F., 04\textsuperscript{th} to 08\textsuperscript{th} March, 2020

<table>
<thead>
<tr>
<th>Crop</th>
<th>Stage</th>
<th>Weather based Agro-advisories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat</td>
<td>Anthesis, Ear head, Flag leaf</td>
<td>Postpone irrigation due to chances of rainfall. Monitor crop for yellow rust and leaf spot attack, postpone chemical plant protection measures from 4\textsuperscript{th} to 8\textsuperscript{th} of March. Rogue out affected plants at yellowing of flag leaf for control of loose smut and destroy by burning or deep burying under soil to avoid further dispersal. Organize campaign for control of rats.</td>
</tr>
<tr>
<td>Oilseeds</td>
<td>Flowering/ Siliquae development/Most seed green</td>
<td>Postpone irrigation due to chances of rainfall. Monitor crop for alternaria blight and white rust. Postpone chemical plant protection measures from 4\textsuperscript{th} to 8\textsuperscript{th} of March.</td>
</tr>
<tr>
<td>Rabi pulses</td>
<td>Pod formation/ pod maturity</td>
<td>Postpone irrigation due to chances of rainfall. Install bird perch stand or collect the caterpillars of heliothis and kill them manually. For control of collar rot and root rot, rogue out the severely infected plants. Monitor crop for wilt and blight attack. Postpone chemical plant protection measures from 4\textsuperscript{th} to 8\textsuperscript{th} of March.</td>
</tr>
<tr>
<td>Vegetables: Tomato/brinjal/ chillies Cucumber/ bottlegourd/ bittergourd Cauliflower/ knolkhool/Radish/Coriander/ Fenugreek Peas</td>
<td>Nursery stage Bolting &amp; Flowering stage Pod harvest stage</td>
<td>Withheld irrigation to the nursery crops to check rapid growth. Transplanting can be done after succession of rain. Maintain proper isolation distance of 100 m for quality seed production Avoid water stagnation in the fields. The weather conditions are favourable for infestation of powdery mildew (white powder on leaves) in pea crop. postpone</td>
</tr>
</tbody>
</table>
### Floriculture
- **Gladiolus**
  - Flowering
  - Staking of flower spikes to avoid topping. Harvest the flowers where possible before rain.
  - Pruning of old branches.
- **Rose**
  - Flowering over vegetative stage
  - Grooming of plants for taking cuttings.
- **Chrysanthemum**
  - Flowering
  - Fields to be kept clean and provision for drainage should be made by making proper channels.
- **Marigold**
  - Flowering

### Horticulture
- **Mango/ Citrus**
  - Young
  - Postpone irrigation due to chances of rainfall.
  - Treat mango basin with 2% methyl parathion dust to check mealy bug during clear weather.
- **Guava**
  - Bearing
  - Spray copper oxychloride @ 3gm/lt during clear weather in citrus to check dieback, gummosis, anthracnose and citrus canker prevalent due to present temperature and RH.
  - For control of leaf miner and Citrus psylla, spray 0.1% dimethoate during clear weather.

### Sericulture
- **Mulberry**
  - Tree plantation
  - Postpone irrigation.
  - Second disinfection of rearing appliances should be conducted with either 2% formalin or 5% bleaching powder solution. After disinfection keep the appliances in sun.
- **Bivoltine cocoon crop**
  - Disinfection of rearing halls/appliances
  - Due to the chances of drop in maximum & minimum temperature farmers are advised to maintain the temperature 16°C to 18°C during fruiting and 23°C to 24°C during spawn run. Don’t allow room temperature to fall below 16°C make necessary arrangement to increase the temperature during these days.
  - If wet bubble disease is observed dispose the infected fruit bodies after dipping them in 2% formalin solution and cover the infected area with common salt.

### Apiculture
- **Protect**
  - Bee colonies from extreme climatic conditions through reduced entrance and proper packing.
  - Need based sugar feeding is recommended.
  - Inspect colony at regular intervals.

### Live stock:
- **Dairy animals/ Sheep & Goat**
  - Do not allow animals to leave khurli early in morning directly to open area.
  - Protect the pregnant and milch animals from cold and feed them mineral mixture regularly.
  - Provide hay of green forage like stala, lobia, maize, jowar and bajra etc. with kadbi and other green grasses to the milch animals in order to enhance milk production and also to prevent from bloat (aafara).
  - To avoid cracking or fissuring of teats in cold dry weather, clean the teats with warm water and apply ghee or butter after every milking.
  - Give special care to young calves as they are more sensitive to pneumonia.
  - Use dry gunny bags as bedding material for protection against low night temperatures.
| Fisheries | Advanced Fingerlings/ yearlings | Supplementary feeding may be provided at the minimum. Avoid unnecessary netting operations to safeguard the fish livestock especially small size fishes from cold shock/injuries. In case of yearlings/marketable size fish, farmers may go for partial harvesting. |

Postpone fertilizer as well as chemical plant protection measures from 4th to 8th of March.

Dr Mahender Singh
I/C Agrometeorology

Dr Veena Sharma
Technical Office