Bulletin for Keonjhar district of North Central Plateau Agroclimatic Zone

The mean weekly maximum and minimum temperature at Keonjhar was 35.5\(^\circ\)C and 21 \(^\circ\)C respectively with 10.8mm rainfall.

**Weather Forecast (up to 20.04.20)**

There is likely to be 17 mm rainfall during the next week. The wind speed may remain within 3-8 kmph. The maximum and minimum temperature will remain within 36-38 \(^\circ\)C and 22-24\(^\circ\)C during the next five days. Similarly, the maximum and minimum RH will remain within 60-93\% and 11-20 \% respectively during the next five days. Sky will remain partly cloudy.

<table>
<thead>
<tr>
<th>Date</th>
<th>Rainfall (mm)</th>
<th>T-MAX ((^\circ)C)</th>
<th>T-MIN ((^\circ)C)</th>
<th>Cloud Cover</th>
<th>Rh Max (%)</th>
<th>Rh Min (%)</th>
<th>Wind speed (kmph)</th>
<th>Wind Direction (deg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEONJHAR</td>
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<tr>
<td>16/4/2020</td>
<td>2</td>
<td>38</td>
<td>23</td>
<td>3</td>
<td>60</td>
<td>14</td>
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<td>201</td>
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<tr>
<td>17/4/2020</td>
<td>0</td>
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<td>24</td>
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<td>15</td>
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<td>11</td>
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<td>36</td>
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<td>14</td>
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<tr>
<td>20/4/2020</td>
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<td>36</td>
<td>23</td>
<td>4</td>
<td>93</td>
<td>20</td>
<td>8</td>
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</table>

**AGROMET ADVISORY**

**Summer mung:**
- Apply 1 ton of well decomposed cow dung per ha during the final land preparation.
- Treat the seeds with Imidacloprid 600 FS @ 5 ml/kg of seed.
- Seed rate : 25 kg/ha, Spacing : line to line 30cm and plant to plant 10 cm.
- Apply basal dose of fertilizer @ 35 kg DAP, 4.0 kg urea and MOP per acre.
- Spray Pendimethalin @ 1.3 litre with 300 litre of water per acre.

**Sunflower:**
- Current fluctuation in temperature gradient is congenial for attack of Tobacco caterpillar (Spodoptera litura) and head borer.
- In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.
- If feasible, spray Lambda cyhalothrin 4.9CS@300ml/acre or Emamectin benzoate @60g/acre during afternoon hours to control the pest.

**Wilt disease in solanaceous crops.**

To control:
- Remove and destroy the infected plants to prevent spread of the disease.
- Remove excess water from the crop field.
- Avoid excessive application of nitrogenous fertilizer
- Spray Tebuconazole @ 200ml/acre with Streptocycline @20g/acre.

**Tuberose -**
- Tuberose can be planted from February to May.
- Grow var. like Shringar, Coimbatore Single and Kolkatta Single and Suhasini double.
- 40,000 tubers are required/acre.
- Apply 1/3rd Nitrogen and full P & K before planting of the recommended dose of 80:80:80 kg NPK/acre.
- Apply 160 kg Neem oilcake in nematode affected areas.
- Plant the tubers in lines in a spacing of 30X30 cm.

**Ginger.**
- Grow suitable high yielding varieties of ginger like Suprava, Suruchi, Surabhi.
- 6-8 quintals ginger is required for planting for one acre.
- Cut the ginger into pieces of 15-19 g each with at least with 2-3 buds.
- Apply 6 tons FYM during final land preparation and 10 tons after planting.
- Apply full P, and 50% K of the recommended fertilizer dose of 50:40:40 kg NPK/acre as basal.
- Plant the seed material in lines at 25 cm apart at 5 cm sowing depth. Cover the beds with straw.

**Animal Husbandry:**
- Make arrangement for sufficient clean drinking water for the livestock at different locations due to rise in temperature.
- Do not allow the animals for grazing in open field during the peak of temperature.
- Arrange to feed the animals with green forages on regular basis.

**Technical Officer**