AGRO ADVISORY BULLETIN

District - Nabarangpur (Eastern Ghat High Land)

Forecast up to 02.08.2020 (According to MC, IMD, Bhubaneswar)

Possibilities of mainly cloudy sky during next five days.
- Chances of light to moderate rainfall during next five days.
- Maximum temperature is expected to be 33-36°C and minimum temperature is expected to be 24-26°C.
- Maximum and minimum relative humidity is expected to be 82-89% and 46-58 % respectively.

<table>
<thead>
<tr>
<th>Date</th>
<th>Rainfall (mm)</th>
<th>29-07-20</th>
<th>30-07-20</th>
<th>31-07-20</th>
<th>01-08-20</th>
<th>02-08-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. Max. (°C)</td>
<td>35</td>
<td>35</td>
<td>36</td>
<td>35</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>T. Min. (°C)</td>
<td>25</td>
<td>25</td>
<td>26</td>
<td>25</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Cloud cover</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>RH Max. (%)</td>
<td>87</td>
<td>89</td>
<td>83</td>
<td>83</td>
<td>82</td>
<td></td>
</tr>
<tr>
<td>RH Min. (%)</td>
<td>55</td>
<td>58</td>
<td>47</td>
<td>49</td>
<td>46</td>
<td></td>
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<tr>
<td>Wind speed (Km/hour)</td>
<td>8</td>
<td>6</td>
<td>8</td>
<td>8</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Wind direction (°)</td>
<td>216</td>
<td>227</td>
<td>225</td>
<td>220</td>
<td>223</td>
<td></td>
</tr>
</tbody>
</table>

Agro Advisory

- In view of threat of Corona virus, a measure of personal hygiene and social distancing is to be followed by those engaged in different farm operations.
- By using recent rainfall start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- By using recent rainfall sow the fodder crops like maize, sorghum, cowpea etc.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.
- Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell.
- Keep the cattle shed clean in rainy season. Use lime and bleaching powder for cleaning.

Kharif Rice:
- The problem of weed may aggravate after transplanting. Application of herbicides Bensulfuron methyle 0.6%+Pretilachlor 6% GR may be applied with sand (25kg) mix 1:1 ratio @10kg/ha within 3-7DAT.
- Chances of seedling blight infestation in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- After uprooting of 25 - 30 days old seedling, root dipping should be done with Chloropyriphos solution (1 ml/litre of water) for reducing insect attack.
- Bacterial blight can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- In zinc deficient areas apply Zinc Sulphate @ 10 kg/acre and in boron deficient soil apply Borax @ 2 kg/acre at the time of final land preparation.
- Transplanting should be done @ 2 - 3 seedlings/hill at a spacing of 20x15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting.
- To control weeds in upland rice spray Bispyribac sodium 10% SC at 100ml/acre in 200 litres of water at 20-25 days after transplanting when the weeds are at 2-3 leaf stage.

Ragi:
- Variety: Bhairabi, Subhra, Nilachala, Chilika, Godabari, Champabati, OEB 265/532/526
- Plain & upland is suitable for Ragi cultivation.
- Spacing row to row 20-25 cm and plant to plant 10 cm. Seed rate 10kg/ha.
- Before sowing seeds should be treated with Mancozeb @ 2.5g/kg or Bavistin 50WP @ 2g/kg of seeds.
- Fertilizer dose: N:P₂O₅:K₂O -50:40:25 kg/ha. Before transplanting apply whole P₂O₅ with 50% of K₂O & N. Rest 50% N should be applied after earthingup & weeding at 15-20 days after transplanting.

Ginger:
- Select high loamy land for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.
Variety: Suprabha, Suruchi & Suravi should be planted. Seed rate: 1800-2000 Kg/ha
Before sowing dip rhizomes in a slurry of 1g carbendazim, 3g Mancozeb, 1g Plantomycin & 2ml Quinalphous per liter of water for half an hour and dry in the shade.

Maize:
- Grow Hybrid variety: Pioner-3401/3436/3502/3501/3377, DMH 8255, Kaveri 225/2288, NMH 731/803, KMH 3712, JKM 502, Use 15 kg seeds/ha. At the sowing time apply 35 kg DAP, 4 kg urea and 27 kg MoP per acre.
- Gap filling has to be done at 7th day after transplanting. Sow the seeds in lines with spacing of 60cm (Row to Row) X 30cm (Plant to Plant) at 5 cm soil depth. Spray of Atrazine 1-1.5 kg a.i/ha. in 500 litre of water within 24hrs of sowing in moist soil is recommended for effective weed control in maize

Yam:
- Grow suitable high yielding varieties of yam like Shreekirti, Shreerupa, Hatikhoj, Shreeshilpi. Small yam: Shreelata, Shreekala, White yam: Shreesubhra, Shreepriya, Shreedhanya. 8-10 quintals yam required for planting in one acre. Cut the yam into pieces of 150-200 g each. Dig out 1.5 ft. x 1.5ft deep holes at 3X3 ft spacing. Apply 5 tons FYM during final land preparation. Apply full P of the recommended fertilizer dose of 32:24:32 kg NPK/acre as basal. Plant the seed material at 5-10 cm sowing depth. Cover the beds with straw mulch of 5 cm height.

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Note: Contact nearby State Agriculture Officer or KVK Scientist for necessary help and suggestion.

Nodal Officer
GKMS, Semiliguda