AGRO ADVISORY BULLETIN

District - Nabarangpur (Eastern Ghat High Land)

Forecast up to 20.04.2020 (According to MC, IMD, Bhubaneswar)

- Possibilities of clear to partly cloudy sky during next five days.
- Chances of very light rainfall only on 16th & 19th April.
- Maximum temperature is expected to be 37-39°C and minimum temperature is expected to be 23-25°C.
- Maximum and minimum relative humidity is expected to be 49-58% and 13-17% respectively.

<table>
<thead>
<tr>
<th>Date</th>
<th>Rainfall (mm)</th>
<th>T. Max. (°C)</th>
<th>T. Min. (°C)</th>
<th>Cloud cover</th>
<th>RH Max. (%)</th>
<th>RH Min. (%)</th>
<th>Wind speed (Km/hour)</th>
<th>Wind direction (°)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-04-20</td>
<td>1</td>
<td>39</td>
<td>24</td>
<td>3</td>
<td>57</td>
<td>17</td>
<td>7</td>
<td>225</td>
</tr>
<tr>
<td>17-04-20</td>
<td>0</td>
<td>39</td>
<td>25</td>
<td>3</td>
<td>53</td>
<td>15</td>
<td>7</td>
<td>221</td>
</tr>
<tr>
<td>18-04-20</td>
<td>0</td>
<td>39</td>
<td>24</td>
<td>2</td>
<td>58</td>
<td>16</td>
<td>6</td>
<td>228</td>
</tr>
<tr>
<td>19-04-20</td>
<td>2</td>
<td>39</td>
<td>23</td>
<td>3</td>
<td>49</td>
<td>17</td>
<td>5</td>
<td>228</td>
</tr>
<tr>
<td>20-04-20</td>
<td>0</td>
<td>37</td>
<td>24</td>
<td>3</td>
<td>49</td>
<td>13</td>
<td>6</td>
<td>219</td>
</tr>
</tbody>
</table>

Agro Advisory

General Advisory:
- Go for summer ploughing as the district has received Light to moderate rainfall in last 2 weeks.
- Do not plan for spraying of any chemicals on rainy days. Harvest the matured crops and shift to safer places.
- In view of threat of Corona virus (COVID-19), measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Summer Paddy:
- If blast infestation found in rice, spray Tricyclazole 75% WP @ 0.6 g/litre of water or Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g/litre of water in clear and dry weather.
- If farmers has not taken any weed control measure, spray post emergence herbicide Bispyribac sodium 10% SC @ 120 ml/acre at 12-15 days after transplanting. Use 200 litre water for one acre.
- Chances of leaf folder and stem borer infestation, if observe spray Chlorantraniliprole 18.5% SC @ 0.3 ml/litre of water or Fipronil 5% SC @ 2 ml/litre of water in clear and dry weather.
- Bacterial leaf blight reported in rice field, spray Plantomycin @ 1 g + Copper oxychloride 50% WP @ 2.5 g/litre of water. If necessary repeat at 15 days later.

Groundnut:
- To control tikka disease of groundnut spray Chlorothalonil 75% WP or Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.
- Tobacco caterpillars reported in field, it is feeding on the green portion of leaves. To control it spray Dichlorvos 76% EC @ 1.25 ml/litre of water or Chlorpyriphos 50% + Cypermethrin 5% EC @ 2 ml/litre of water in clear and dry weather.
- If leaf miner found in field, spray Imidacloprid 17.8% SL @ 0.3 ml/litre of water or Thiamethoxam 25% WG @ 0.25 g/litre of water in clear and dry weather.

Mustard:
- Due to fluctuation in differential of day and night temperature, there is possibility of attack of Tobacco caterpillar (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started.
  a) Use Pheromone trap using Spodo lure to monitor adult population of the insect.
  b) Bird perching should be encouraged and night fire should be widely popularized
  c) 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 nearer to bunds in the affected field.
  d) Go for need based spraying of Lambda cyhalothrin 4.9CS@300ml/acre over the crop.
- Current weather is favourable for attack of cabbage webber and mustard sawfly. To control it, go for
alternate spray of Profenophos@2ml/litre of water with Neem oil@5ml/litre of water.

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 litre of water for half an hour and dry in the shade.

Vegetables:
- The rain may aggravate wilt disease in Bean, Tomato, Brinjal and Cowpea. Following integrated disease management practices should be followed.
  - Drain out excess water from the fields soon.
  - Spray Tebuconazole @200ml/acre with Streptocycline@20g/acre.
  - The affected plants should be uprooted and destroyed to prevent spread of the disease. - Avoid excess application of nitrogenous fertilizers.
  - To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @1g/litre of water alongwith Streptocycline@0.1g/litre of water.
- Chances of thrips, aphid and mites infestation in vegetables, to control these spray Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clear and dry weather.
- **Beans and Cow pea** - Sucking pests like Aphid and white fly are major pest attacking the crops. Go for alternate spray of Neem based pesticide 1500ppm@600ml/acre with Imidacloprid 17.8 SL@70ml/acre.
- **Fruit and shoot borer in Brinjal** - Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre or Thiodicarb@300g/acre or Flubendiamide 20% WG @ 0.75 g/litre of water or Azadirachtin 1% EC @ 3 ml/litre of water at 15 days interval in clear and dry weather.

Mango:
- Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention.
- Condition is congenial for mango hopper, spray two rounds with Imidacloprid 17.8% SL @ 0.3 ml/litre of water or Thiamethoxam 25% WG @ 0.2 g/litre of water.

**Download Meghdoot mobile app for weather based crop advisory**

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

<table>
<thead>
<tr>
<th>Nodal Officer</th>
</tr>
</thead>
<tbody>
<tr>
<td>GKMS, Semiliguda</td>
</tr>
</tbody>
</table>