Weather Condition recorded at AMFU Bhawanipatna from 09.04.2020 to 15.04.2020

Weekly Rainfall (mm) and rainy days

<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/hr)</th>
<th>Wind Direction (deg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16/4/2020</td>
<td>1</td>
<td>40</td>
<td>24</td>
<td>3</td>
<td>56</td>
<td>16</td>
<td>6</td>
<td>216</td>
</tr>
<tr>
<td>17/4/2020</td>
<td>0</td>
<td>40</td>
<td>24</td>
<td>2</td>
<td>63</td>
<td>16</td>
<td>6</td>
<td>202</td>
</tr>
<tr>
<td>18/4/2020</td>
<td>3</td>
<td>38</td>
<td>24</td>
<td>2</td>
<td>61</td>
<td>14</td>
<td>5</td>
<td>230</td>
</tr>
<tr>
<td>19/4/2020</td>
<td>3</td>
<td>38</td>
<td>23</td>
<td>3</td>
<td>54</td>
<td>14</td>
<td>5</td>
<td>245</td>
</tr>
<tr>
<td>20/4/2020</td>
<td>4</td>
<td>39</td>
<td>23</td>
<td>4</td>
<td>65</td>
<td>12</td>
<td>5</td>
<td>215</td>
</tr>
</tbody>
</table>

KALAHANDI

Weather Forecast up to 14.04.2020 for Kalahandi District:

According to IMD Bhubaneswar very light rain may occur on 16.04.2020 and light rain on 19.04.2020 to 20.04.2020 whereas no rain with dry weather may prevail from 17.04.2020 to 18.04.2020 in Kalahandi district. Sky may remain partly cloudy to almost clear from 16.04.2020 to 20.04.2020. Wind may blow from South-West direction with speed of 005-006 km/hr. Maximum temperature may vary around 38-40 °C and minimum temperature around 23-24°C. Maximum RH expected to vary between 54-65 % and minimum RH between 12 - 16%.

General Advisory:

In view of the outbreak of COVID 19, the following precautions and safety measures are to be taken by the farmers and labourers engaged in different field operations to prevent the spread of the disease.

1. Maintain social distance while working, taking meals and rest in field.
2. Care should be taken to maintain personal hygiene by washing the hands frequently by hand wash or soap
3. Do not touch your face, eyes and nose while working
4. Use masks while working
5. All the machineries used in field operations should be sanitized the beginning and end of the field operation
6. Vehicles used for transportation and packaging materials should be sanitized at the entry point.
7. Vegetables should be washed properly in clean water after harvesting.
8. In case of manual harvesting or picking, divide the field in to stripes of 5-6 feet and engage only one person per stripe to maintain social distance.

As five days forecast upto 20.04.2020 showed very light rain on 16.04.2020 and light rain on 19.04.2020 to 20.04.2020 whereas no rain with dry weather from 17.04.2020 to 18.04.2020 with maximum temperature ranging from 38-40 °C in the district

2. Carry the harvested crops from field to safe place or keep by covering.
3. Carry out spraying insecticides or pesticides in crops as per requirement observing the rain.
4. Plan for irrigation to the crops observing soil moisture and forecasted rain.
5. Keep watch on stem borer attack in paddy and thrips and fruit rot in chilli.
6. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil.
7. If there is possibility of water shortage, irrigate the row crops in alternate rows.
8. Keep watch on the water temperature of the fingerling production tank/pond.
**Summer Paddy:**
1. The transplanted paddy is flowering to maturity (9 - 13 week) stage in main field.
2. Stem borer infestation may occur in paddy. Spray 80ml chlorantraniliprole 18.5% SC @ 0.4ml/lit water or 400g cartraphydrochloride 50% SP @ 2g/lit water per acre for its control.
3. Apply irrigation and maintain water level upto 5cm at PI stage and saturation upto hard dough stage and drain out water at maturity stage.

**Sugarcane:**
1. The crop is at tillering (7-8 week) stage.
2. Go for hoeing and weeding at 6-7 week stage and apply 100kg urea with 34kg MOP per acre followed by earthing up and irrigation.
3. Plan for irrigation at 10 days interval observing the soil moisture between 5-14 week stage of crop.

**Greengram:**

**Blackgram:**

**Onion:**
1. The transplanted onion crop is at bulb development to maturity (13 -16 week) stage in main field.
2. Plan for irrigation the crop at 10 days interval observing soil moisture and postpone irrigation 15days prior to harvesting.

**Chili:**
1. Thrips may infest the chili crop at this time. For one acre crop field, spray Acephate 75% SP 200g @ 1g/lit water or Fipronil 5 SC 400ml @ 2ml/lit water for its control.
2. To manage the fruit rot disease in chili, spray carbendazim 400g per acre @ 2g per lit of water.

**Mango:**
1. Prevailing conditions are favourable for incidence of hoppers in mango. To control it, spray Thiometoxam @0.4 g + Hexaconazol @ 2ml/l of water.

**Pisciculture:**
1. Keep watch on the water temperature of the pond. If the water temperature goes above 30\degree C or water level goes below 1m. depth, farmers are advised to go for early harvest and discontinue fish seed production and culture activity. Fish breeding and culture activity is discouraged.

*Nodal Officer*

GKMS,RRTTS,Bhawanipatna.