**Week No.49**

**DISTRICT: DHENKANAL**

**Weather condition during last week (03.12.2022 to 09.12.2022)**

<table>
<thead>
<tr>
<th>Rainfall (mm)</th>
<th>Maximum Temperature (°C)</th>
<th>Minimum Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>27.8 – 30.6</td>
<td>11.9 – 16.5</td>
</tr>
</tbody>
</table>

**Forecast (Up to 14.12.2022 given by Met. Centre, IMD, Bhubaneswar)**

<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 (kmph)</th>
<th>Wind Direction (deg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-12-2022</td>
<td>0</td>
<td>27</td>
<td>13</td>
<td>4</td>
<td>59</td>
<td>39</td>
<td>7</td>
<td>81</td>
</tr>
<tr>
<td>11-12-2022</td>
<td>0</td>
<td>27</td>
<td>14</td>
<td>4</td>
<td>59</td>
<td>34</td>
<td>7</td>
<td>77</td>
</tr>
<tr>
<td>12-12-2022</td>
<td>0</td>
<td>28</td>
<td>15</td>
<td>4</td>
<td>76</td>
<td>37</td>
<td>5</td>
<td>135</td>
</tr>
<tr>
<td>13-12-2022</td>
<td>0</td>
<td>29</td>
<td>15</td>
<td>4</td>
<td>78</td>
<td>39</td>
<td>6</td>
<td>124</td>
</tr>
<tr>
<td>14-12-2022</td>
<td>0</td>
<td>28</td>
<td>15</td>
<td>4</td>
<td>63</td>
<td>36</td>
<td>7</td>
<td>105</td>
</tr>
</tbody>
</table>

- **No rain is forecasted during next five days.**
- **No rainfall is expected from Saturday to Wednesday.**
- **The sky will remain as partly cloudy from Saturday to Wednesday.**
- **Wind will blow at a speed of 5.0 to 7.0 kmph.**
- **Max. temp will increase from 27.0 to 29.0 °C from Saturday to Tuesday then it will decrease to 28.0 °C on Wednesday and Min. temp will increase from 13.0 to 15.0 °C from Saturday to Wednesday.**
- **The Max RH will increase from 49 % to 78 % from Saturday to Tuesday then it will decrease to 63% on Wednesday.**
- **The Min RH will increase from 26 % to 39% from Saturday to Tuesday then it will decrease to 36% on Wednesday.**

**Rice:**
- Paddy grains need to sundried to 14% moisture content for consumptin purpose and for seed purpose it should be dried to 12% moisture for better self-life.

**Sugarcane:**
- To minimize infestation of top shoot borer, spray Fipronil 5Sc@2ml/l or Lamba cyhalothrin 4.9CS @1ml/litre of water.
- Now a days red rot disease is most common in sugarcane. To control it spray (Mancozeb 64% + Metalaxyl-m 8%) @ 400 gm or (Carbendazim 12% + Mancozeb 63%) WP @ 400 g in 200 litres of water per acre of land.

**Pulses:**
- To control Aphid infestation in Green gram and black gram spray Flonicamid 5 gm/ 15 litre of water.

**Merry gold:**
- Flonicamid 1 gm/ 4 litre of water should be used to control might pest in merry gold.

**Cauliflower:**
- Spray Mancozeb with Carbendazim @ 2g per litre of water to control Alternaria leaf spot disease in Cauliflower.

**Cabbage:**
- To manage Diamond Back Moth install 6-8 nos of light traps per acre. During primary stage of pest infestation spray neembased pesticide (Azadirachtin) 300 PPM @ 1-litre/acre by mixing in 200-litre of water. Spray Tolfenpyrad 15 % EC @ 400-ml/acre or Flubendiamide 20 % WG @ 20-gram/acre or Emamectin Benzoate 5 % SG @ @80-gram/acre by mixing in 200-litre of water.
- Apply recommended dose of Nitrogen fertilizer along with 4-6 kg of Borax/acre as basal to control hollow stem in Cole crops.
**Onion:**
- Before sowing of seeds seed treatment should be done with Carbendazim 50% WP @ 2-gram/ per kg of seeds or Carboxin 37.5 % + Thiram 37.5% D.S @ 3- gram/ kg of seeds. Seedlings of 8-weeks old are planted in the main field.
- Kharif onion is at the vegetative stage. complete hoeing weeding and application of 2nd top dressing by applying urea @ 80kg per ha. To control onion thrips spray Thiometoxam 25 WG @ 2g or Flonicamid 50 WG @ 4 g per 10 liters of water.

**Vegetables:**
- To manage leaf curling complex in chilli spray Spirimesifen @ 1ml and Flonicamid @ 3 gm in 1 litre of water alternately in 10 days interval while spraying in target the nozzle to the lower surface of leaf.
- To manage sucking pests like white fly, Leaf hopper, Aphid and yellow vein mosaic in Okra install 20 nos of Yellow/ Blue sticky trap along with spray of Flonicamide/ Thiometoxam/ Acitamiprid @ 0.3 g per litre of water OR Diefenthayuron/ Dinatofuron/ Pymetrozine @ 0.5 g per litre of water also to manage the above sucking pests in Brinjal, Cowpea bean and other vegetables.
- To control fruit borer in tomato spray Flubendiamide/ Chlorotrinilipole/ Enamectin benzoate 0.3 ml per litre of water OR Spinetoran/ Indoxacarb 1 ml in 1 litre of water.

**Animal Science:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease.
- Provide dry and clean shelter to the animals.
- Provide sufficient clean drinking water to the animals.

**Fisheries:**
- To increase amount of oxygen use 4-5 aerator/ ha for 4-5 hours.
- Reduce the fish feed by 20% as the intake of feed by the fish reduces due to fall in temperature.
- In winters wounds in fish are common. It spreads rapidly from one fish to another. Initially red spots are noticed on the scales which later turned into wounds. To control this disease apply CIFAX 400 ml in one acre pond starting from October to January.

Due to covid-19 pandemic situation, farmers while conducting agricultural operation, should use mask or handkerchief to cover their mouth and nose and maintain social distancing.

The above advisory is prepared based on the information available and not legal.
For any problem related to agriculture sector, please dial the toll free number 1800 180 1551.

Approved by Associate Director of Research
RRTTS, Mahisapat, Dhenkanal