Weather Condition During Last Week at Ranital (09.04.2020 – 15.04.2020)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall (mm)</td>
<td>11.2 mm</td>
</tr>
<tr>
<td>Maximum temperature (°C)</td>
<td>32.0-39.0</td>
</tr>
<tr>
<td>Minimum temperature (°C)</td>
<td>19.5-24.5</td>
</tr>
<tr>
<td>Cloud cover</td>
<td>Partly cloudy sky on Sunday &amp; Wednesday but mainly clear on other days</td>
</tr>
</tbody>
</table>

**Bhadra**

**Forecasting (Upto 20.04.2020):** According to IMD, Bhubaneswar, sky will remain partly cloudy till Monday. Very light to light rain may occur after Friday. Wind will blow from Southwest till Saturday and from South thereafter at a speed of 11 to 20 Km/hr. The maximum temperature will be around 39° C till Friday but will gradually decline to 37° C afterwards. The minimum temperature will range from 24° C to 26° C. The maximum relative humidity will gradually rise from 64% to 88% and the minimum from 18% to 39% during this period.

**Agromet advisory**

**Rabi rice**

- Panicle initiation to flowering stage
  - As insufficient rain is expected, irrigate and maintain round 5 cm of water during this stage
  - Stem borer attack is at peak stage and current hot weather will aggravate the problem.
  - Avoid application of granular insecticide at P.I. stage and spray Fipronil@2ml/litre or Indoxacarb@1.5ml/litre of water to control stem borer.
  - At panicle initiation stage, apply 25% N as second top dressing.

**Sunflower**

- Seed formation stage
  - Current weather is favourable for attack of head borer. Spray Emamectin benzoate 5SG@70gram per acre to control the pest.

**Summer pulses**

- Current fluctuation in maximum and minimum temperature will build up the white fly population causing YMV disease. Use yellow sticky traps to monitor the population of white fly.
- If the white fly population is more, then spray Thiomethoxam 25WG @ 60g/acre.
- Current weather condition is favourable for attack of pod borer in green gram and black gram. Spray Profenofos@400ml/acre to control it.

**Vegetables**

- Current weather is favourable for attack of fruit fly in cucurbits. Following integrated management is necessary to adopt.
  - Install cuerules for mass trapping of the insects.
  - Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- **Fruit and shoot borer in Brinjal and Okra** - Spray Neem based formulation 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval
- Mite problem will aggravate in Brinjal under present weather condition. Spray Propargite@ 400ml/acre to control it.
| Pisciculture | ✓ Maintain average water depth at 5ft level in the pond.  
|              | ✓ Feed fishes with oil cake: bran mixture at 2% of their body weight daily.  
|              | ✓ Start partial harvesting of fishes above ABW 750g. |

- Current weather favours spread of YMV in Ladies finger. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- Now-a-days due to attack of Thrips in Chilli crop, there is curling of leaves and stunting of plant growth. To control the pest, spray Imidacloprid @0.5 ml/l of water.

Sd/-  
Nodal Officer & Assoc. Director of Research