DSTRICT

The mean daily maximum and minimum temperature were 37.9°C and 23.4°C in the Nayagarh district during the last week. The district was received 1.2 mm rainfall during the last week. Crop condition of summer rice was satisfactory, however, the crop is heavily infested with stem borer and blast due to high temperature and moisture stress. Intercultural operation of summer crops like groundnut, sesame sunflower and pulses are going on. Planting of summer vegetables like okra and cucurbits has been completed. Planting of marigold and tube rose are going on. The summer crop conditions are satisfactory Rainfall up to end of this week is Normal. Overall crop condition is Normal.

Forecast (Up to 20.04.2020)

Given by Met. Centre, IMD, Bhubaneswar

NAYAGARH – The district is likely to be dry up to Thursday and may receive light rain on Friday and Saturday with slightly cloudy sky. The wind speed will remain within 3 to 5 kmph up to next four days. Both the daily maximum and minimum temperatures are likely to decrease gradually by 2°C by Friday. For further information, contact the Met. Centre, Aerodrom Area, IMD, Bhubaneswar, Tel. # 0674-2596116.

<table>
<thead>
<tr>
<th>DISTRICT</th>
<th>DATE</th>
<th>Rainfall (mm)</th>
<th>T-MAX (°C)</th>
<th>T-MIN (°C)</th>
<th>RH Max (%)</th>
<th>RH Min (%)</th>
<th>Wind speed (kmph)</th>
<th>Wind Direction (deg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAYAGARH</td>
<td>16-04-2020</td>
<td>0</td>
<td>40</td>
<td>26</td>
<td>3</td>
<td>5</td>
<td>213</td>
<td></td>
</tr>
<tr>
<td></td>
<td>17-04-2020</td>
<td>0</td>
<td>40</td>
<td>25</td>
<td>2</td>
<td>4</td>
<td>221</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18-04-2020</td>
<td>0</td>
<td>39</td>
<td>25</td>
<td>2</td>
<td>4</td>
<td>241</td>
<td></td>
</tr>
<tr>
<td></td>
<td>19-04-2020</td>
<td>0</td>
<td>38</td>
<td>24</td>
<td>4</td>
<td>5</td>
<td>241</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20-04-2020</td>
<td>3</td>
<td>38</td>
<td>25</td>
<td>4</td>
<td>5</td>
<td>230</td>
<td></td>
</tr>
</tbody>
</table>

**SUMMER RICE:** Rice may be infected with following pests. To control them carry out the control measures given below:

- **Thrips:** Spray Acetamiprid @ 1g/ltr or water or spiroimesfen @ 1ml/ltr of water. For controlling root rot and dieback in rice in the main field. To attract the butterflies, place 4 Pheronom Traps/ac, collect the adults and destroy them by burning them under soil or by burying. Stem Borer: For stem borer apply granular insecticide fipronil @ 6kg/acre or 2ml fipronil 5%/SC/ltr. Blast: Apply recommended dose of Potash. And spray 1g/1.5g Carbendazim or tricyclazole or 2ml kasugamycin/ltr water. Brown spot: Do not apply more N-fertilizer. And to control spray 1.5g carbendazim + 1.5 g mancozeb/ltr Water.

**SUMMER PULSE:** The summer green gram crop is at flowering stage. Go for irrigation. YMV infestation has been found in summer pulses. Spray 20 ml Rogor/10 litre water to control the white fly. Crop is at flowering stage. Go for irrigation. White fly: Spray Thiomethoxam @ 5g/15ltr Water. Sucking pest (Thrips): 4g Dinitrofuran @ 4Gf/ltr. Fluoncidam @3.5g/ltr 1 water. Pod borer: 2 ml chloropyriphos/profenofos/2ml triazophos. To control Red hairy caterpillar & Spodoptera insect in pulses, apply 10 kg Chloropyriphos powder at evening time or spray 400 ml 20 EC Chloropyriphos per acre in the afternoon hour.

**SUMMER SUNFLOWER:** Early sown crop at 20 – 25 days, go for hoeing and weeding. Apply 3 kg N to improved varieties and 6 kg to hybrid ones. Fertiliser should be applied 3 to 4 inch away from the plant rows. Thin out plants keeping one healthy plant per hill.

**CORN:** Complete planting of corn in irrigated areas. Select the rhizomes weighing 400 to 600 g. Otherwise cut the large tubers into small pieces of weighing 400 to 600 g. Use 6 to 7 tones of rhizomes/acre. The corn should not be peeled. The corms should be dipped in solutions prepared by fresh cow dung along with 0.05% Monocrotophos and 0.2% Mancozeb for 4 to 6 hours followed by drying in shade before sowing. Always plant healthy and disease resistant rhizomes. Prepare the land thoroughly. Apply 8 to 10 tons of FYM/acre during final land preparation. Seeds are to be planted in rows at 90cm apart with 90 cm between the rhizomes. It should be planted in pits of 40X40X40 cm. Before planting apply 30:40:30 kg NPK/acre.

**GREENS (Leutia Sag):** The weather is now optimum for sowing of greens (Leutia Sag). Go for land preparation. Lay out small beds of 5 ft. long, 4 ft. wide with bunds all around. Remove the weeds and stubbles. Apply 2 baskets of FYM. 4-6 kg seeds are required per acre. Because of small sized seeds, mix the seeds with coarse sands for easy sowing. Cover the seeds with soil by hands followed by straw. Irrigate the beds and remove the straw after emergence. After 12 – 15 days the seedlings are ready for transplanting in the main field. The seedlings are transplanted at a spacing of 75x75 cm. Cutting is done 1 month after sowing for eating.

**COCONUT:** For controlling Eriophyd mites in coconut spray, 4 ml Neemazol in one litre water at the top of the plant or root injection method. For controlling root rot and dieback in coconut spray 3 g Indophil-M-45 or 1.5 g Topsin-M in one litre water.

**SUGARCANE:** Cover the furrows with dried leaves maintain moist condition. Spray 4 % potash to resist high temperature. Panama wilt in banana has been found. Uproot and burn the affected plant. Soil drenching with 2 g Carbendazim in one litre water thoroughly particularly in root zone. Other wise keep 5 g Carbendazim/Plant in Capsule in the root zone.

**VEGETABLES:**

- **Lady Finger:** White fly: Spray Thiomethoxam @ 5g/15ltr Water.
- **Brinjal:** Fruit & shoot borer in brinjal: Soil application of Cartap hydrochloride @ 25kg/ha (10kg/ac)
- **CASHewnUT:** Occurrence of stem and root borer in cashew. Remove minimum width of the bark (only the damaged or tunneled portions) containing at least 50% of the bark circumference. Inject 0.5% Monocrotophos @ 1ml per hole in the borer. The bore shall be plugged with cotton and wax. Moderate temperature increased the thrps population. Spray 2 ml Methile Demmoton per liter water.