

## Strategic Agromet Advisories based on Extended Range Forecast

### Rainfall during 08-21 May 2020

#### **Kerala**

The extended range weather forecast for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) is normal for week-1 and week-2.

- It is advised to prepare fields for ginger and turmeric planting. To protect the ginger crop from foot rot disease, soak the suckers in 0.3% Mancozeb/ Pseudomonas solution for 30 minutes.
- Present weather condition is ideal to prepare planting material for black pepper. Apply mulch and protect the plants from the scorching sun.

#### **Tamil Nadu**

The extended range weather forecast for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) is below normal for week-1 and normal for week-2.

- Present prevailing weather condition is favorable for Tristeza virus disease in citrus. It is advised to spray Methyl Demeton 25 EC or Monocrotophos @ 1 ml/litre water to control the aphids which spread the disease and use pre-immunized acid lime seedlings for planting.
- For protecting banana from high wind speed, it is advised to mount the soil around the base of the tree and give support by using Casuarinas poles.
- Due to rainy weather condition, farmers are advised to take up summer ploughing to conserve rain water.

#### **Maharashtra**

The extended range weather forecast for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) over Konkan is above normal and over Madhya Maharashtra, Marathwada and Vidharbha are below normal for week-1 and below normal over Marathwada, Madhya Maharashtra and Konkan and over Vidharbha is above normal for week-2.

#### *Marathwada*

- Due to increase in temperature, the quality of mango fruit may be affected. It is advised to harvest mature mango fruits early in the morning.
- It is also advised to provide shade and mulching in the newly planted or small plants of banana. Irrigate the banana orchard during early morning, at evening or night.

### *Konkan*

- To prevent incidence of post-harvest diseases in mango fruits, it is advised to keep the fruits in warm water (~ 52°C) for 10 minutes and then keep for ripening.
- Due to increase in temperature and decrease in humidity, it is advised to provide irrigation to coconut orchard at 5-6 days interval and use straw mulch to reduce evaporation losses.

### *Vidharbha*

- Under the prevailing hot weather condition, it is advised to irrigate summer crops like groundnut, sunflower, sesame, green gram and vegetables at 6 - 8 days interval in the early morning or late afternoon.
- Deep summer ploughing of harvested fields is advised to expose the hibernating insects, larvae/pupa to sun and predator birds.
- Due to windy weather conditions, is advised to provide mechanical support to papaya, banana bunches, young fruit trees to avoid damage and lodging.

### *Madhya Maharashtra*

- For the management of tikka disease in groundnut, spray Mancozeb 2.5 g or Carbendazim 1 g mixed in 1 litre of water.
- It is advised to keep animals in shade and cover cows and buffaloes with wet gunny bags to protect from high temperature and heat stroke.

### **Himachal Pradesh**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over Himachal Pradesh is below normal for week-1 and normal for week-2.

- Under prevailing weather condition, sowing of seeds of babul, subabul, khair, amla and prosopis in polythene bags for raising nursery is advised.
- It is advised to maintain room temperature of 18-22 °C and relative humidity around 85% for successful cultivation of mushrooms.
- It is the optimum time for nursery sowing of tomato, brinjal, chillies and capsicum crops in poly house.

### **Hisar**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over Hisar is above normal for week-1 and normal for week-2.

- Farmers are advised to prepare the field and procure the seed of cotton crop.
- Due to increase in day temperature, farmers are advised to apply light irrigation in planted vegetable crops and fruits plants as per requirement and harvest the mature vegetables at

morning and evening hours.

## **Karnataka**

The extended range weather forecast for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) over South Interior Karnataka and North Interior Karnataka is above normal for week-1 and below normal over South Interior Karnataka and above normal over North Interior Karnataka for week-2.

### *North Interior Karnataka*

- It is advised for ploughing of fields and incorporation of crop residue to facilitate *in situ* conservation of water during the pre-monsoon rains and also conservation of soil.
- It is advised to complete the heaping of fodder and straw as early as possible and cover it properly.

### *South Interior Karnataka*

- Take up summer ploughing
- Interculture and mulching are advised in the standing crops as a contingency measure.

## **Assam**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over Assam is normal for week-1 and below normal for week-2.

- Under prevailing weather condition, there is a chance of stem borer attack in maize. To control, spraying of Fenitrothion 50EC @ 5ml/litre of water is advised.
- To control rodent attack during the maturity period in boro rice, it is advised to prepare dry poison baits by mixing Atta/wheat bran/ maize crush 80g, jaggery 10g, dry fish 5g & Zinc Phosphide 5g and apply alongside the alleys in crop field.

## **Uttar Pradesh**

The extended range weather forecast for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) over East Uttar Pradesh is above normal and West Uttar Pradesh is normal for week-1 and above normal over East Uttar Pradesh and West Uttar Pradesh for week-2.

- Due to rainy weather condition, it is advised to skip the irrigation in *Zaid* crops.
- Intercultural operation is advised to check the evapotranspiration losses and proper utilization of nutrient to the crop.

## **Punjab**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 -

21 May 2020) on rainfall over Punjab is normal for week-1 and above normal for week-2.

- Due to rainy weather condition, farmers are advised to complete the harvesting and threshing of wheat and store the produce at safe places.
- To protect the tomato crop from early blight disease, it is advised to spray the crop with Indofil M-45 @ 600 g/acre in 200 litres of water.

### **Rajasthan**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over Rajasthan is below normal for week-1 and week-2.

- It is advised to apply irrigation in fodder crops like maize, sorghum, bajra and cluster bean.
- It is advised not to provide the irrigation in pomegranate and guava at flowering stage to prevent flower drop.

### **Jammu**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over Jammu is below normal for week-1 and normal for week-2.

- Under clear weather condition, farmers are advised to harvest and thresh the mature crop of wheat and store it after proper drying.
- It is the optimum time for sowing of vegetable crops like okra and french bean. Recommended varieties for okra viz. Varsha Uphar, HissarUnnat and A-4 and French bean recommended varieties viz. Arka Komal and Pusa Parvati.

### **Bihar**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over Bihar is above normal for week-1 and week-2.

- Monitoring is advised for infestation of yellow vein mosaic virus disease in green gram and black gram. If infestation is found, spray Imidacloprid 17.8 SL@0.3ml/litre of water. It is also advised to uproot and destroy affected plants before spraying.
- Land preparation is advised for turmeric and ginger. Application of 25-30 tonnes of cow dung per hectare is advised during land preparation.

### **Gujarat**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over Gujarat is below normal for week-1 and week-2.

- Due to high temperature, there is a chance of mite infestation in lemon orchard. To control, spray of Propargite 57 % EC 10 ml/10 litre water is advised.
- It is advised to monitor drumstick crop for infestation of bud worm & leaf caterpillar. Spray of 500 ml of 5% Neem seed extract or neem seed oil (Azadirachtin 1500 ppm) 50 ml with 10 litres of water.

### **West Bengal**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over West Bengal is above normal for week-1 and week-2.

- Under prevailing weather condition, there is a chance of attack of white fly. To control, application of Imidachloprid @ 5 ml/10 litre of water at an interval of 15 days is advised.

### **Odisha**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over Odisha is above normal for week-1 and week-2.

- Prevailing weather condition is optimum for planting of yam with recommended local varieties viz. Shreekirti, Shreerupa, Hatikhoj, Shreeshilpi, Small yam varieties viz. Shreelata, Shreekala and white yam varieties viz. Shreesubhra, Shreepriya, Shreedhanya.
- To control leaf blight in tomato, spray of 2g Chloromethanol or 3g Copper oxychloride in 1litre of water is advised.

### **Jharkhand**

The extended range weather forecast provided for next two weeks (08 - 14 May 2020 and 15 - 21 May 2020) on rainfall over Jharkhand is above normal for week-1 and week-2.

- Under the prevailing weather condition, there is a chance of attack of gundhi bugs in summer rice. To control, dusting of the insecticides like Chlorpyrifos dust or Quinolphos dust or Methyl Parathion dust @ 10 kg per acre during evening is advised.
- Under the prevailing weather condition, farmers are advised to go for planting of ginger crop with recommended varieties like Bardhwan, Suruchi, Nadiya, Suprabha.

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