

## Agromet. Advisory based on ERFs (22 May - 04 Jun 2020)

### Agromet Advisories

#### **Kerala**

The extended range weather forecast for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) is normal for week-1 and above normal for 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.
- Under prevailing weather condition, there is a chance of pseudo stem weevil attack in banana. As a precaution, apply 50 g neem cake powder in leaf axils.
- Farmers are advised to add pseudomonas culture in the soil at the time of planting of vegetables to reduce fungal diseases.

#### **Tamil Nadu**

The extended range weather forecast for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) is normal for week-1 and above normal for week-2.

- Due to rainy weather condition, farmers are advised for summer ploughing to conserve rain water.
- Present prevailing weather condition is favorable for *Helicoverpa armigera* in chilli. It is advised to spray Emamectin benzoate 5% SG 4 g/10 litre of water.
- To avoid heat stress due to high temperature on animals, it is advised to provide adequate drinking water and green fodder and spray water on gunny bags surrounding the cattle shed.

#### **Maharashtra**

The extended range weather forecast for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) over Vidharbha, Madhya Maharashtra, Marathwada and Konkan are below normal for week-1 and above normal over Marathwada, Madhya Maharashtra and Vidharbha and normal over Konkan for week-2.

#### *Marathwada*

- For proper growth of sprouting in pruned grape crop, it is advised to spray 6 BA growth regulator @ 10 ml per litre of water.
- To reduce the impact of high temperature on poultry and animals, it is advised to surround the poultry shade with moist gunny bags and provide 3 to 4 times clean and cold water to animals for drinking.

#### *Konkan*

- During rainfall condition, there is a chance of incidence of bud rot disease on young coconut

plant. To control, it is advised to spray 1% bordo mixture onto the crown region of palm.

- 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.

#### *Vidharbha*

- To avoid heat stress in mandarin orange and sweet lime, it is advised to increase the frequency of irrigation, use of temporary shade net and mulch.
- Under the prevailing hot weather condition, it is advised to irrigate summer crops vegetables and orchards at 5 - 6 days interval in the early morning or evening hours.

#### *Madhya Maharashtra*

- For control of shoot fly of sugarcane crop it is advised to spray Chlorantraniliprole 18.5% S.C @ 3-4 ml/10 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 (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Himachal Pradesh is below normal for week-1 and above normal for week-2.

- Prevailing weather is conducive for incidence of aphids in rose. To control, it is advised to spray Rogor @ 1 ml/litre of water.
- Under prevailing weather condition, it is advised to sow fodder maize along with cowpeas and soybean in irrigated areas.
- It is advised to maintain room temperature of 18-22 °C and relative humidity around 85% for successful cultivation of mushrooms.

#### **Hisar**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Hisar is below normal for week-1 and above normal for week-2.

- Under the prevailing weather condition, farmers are advised to do sowing of sorghum, maize and lobia as a fodder 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 during morning and evening hours.

## **Karnataka**

The extended range weather forecast for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) over South Interior Karnataka is normal and below normal over North Interior Karnataka for week-1 and above normal over South Interior Karnataka and North Interior Karnataka for week-2.

### *North Interior Karnataka*

- It is advised to plough fields and incorporate the crop residue to facilitate in situ conservation of water during the pre-monsoon rains and conserve the soil.
- Because of increase in temperature, it is advised to apply 4-6-inch-thick hay thatch as a roofing material and spray water on the floor periodically during peak hot hours to lower the temperature and heat load on animals.
- It is advised to complete the heaping of fodder and straw as early as possible and cover it properly.

### *South Interior Karnataka*

- Farmers may do summer ploughing for solarization which destroy eggs and pupating stages of insects and weed seeds underneath the surface.
- Intercultural operation and mulching are advised in the standing crops as a contingency measure.

## **Uttar Pradesh**

The extended range weather forecast for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) over East Uttar Pradesh and West Uttar Pradesh is below normal for week-1 and above normal 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.
- Under the prevailing weather condition, sowing of green manure crops is advised.

## **Punjab**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Punjab is below normal for week-1 and above normal for week-2.

- For the management of early shoot borer in sugarcane, use Tricho-cards having 20,000 eggs of *Corcyra cephalonica* parasitized (seven days old) by *Trichogramma chilonis* per acre at 10 days interval.
- To check zinc deficiency in citrus, it is advised to spray the affected trees with 0.47 Zinc

sulphate (4.7g/litre of water) solution, without addition of lime.

- To protect the brinjal crop from fruit and shoot borer, it is advised to spray 100 ml Sumicidin 20 EC or 200 ml Ripcord 10 EC or 160 ml Decis 2.8 EC in 100-125 litre of water per acre.

### **Rajasthan**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Rajasthan is below normal for week-1 and week-2.

- To control shoot and fruit borer in tomato, it is advised to collect and bury the infested fruits and shoots. If pest population is above ETL, spraying of Spinosad 48 EC @ 1 ml/4 litre of water is advised.
- Deep summer ploughing is advised for the management of cyst, reniform and root-knot nematodes in maize, pulse-oilseeds and vegetable crops, respectively.

### **Bihar**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Bihar is below normal for week-1 and above normal for week-2.

- Farmers are advised to harvest matured pods of early sown black gram and green gram and regular monitor in the late sown green gram and black gram against infestation of pod borer.
- Under the prevailing weather condition, sowing of turmeric crop is advised. Recommended varieties are Rajendra Sonia and Rajendra Sonali for sowing in North Bihar.
- Vaccination is advised for all dairy animals for the control of Black quarter and Haemorrhagic septicaemia diseases.

### **West Bengal**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over West Bengal is below normal for week-1 and above normal for week-2.

- Due to rainy weather condition, there is a chance of fungal disease in the vegetable crops. It is advised to spray Copper Oxychloride @ 2.5 g/litre or Metalaxyl+ Mancozeb 2g/litre of water, respectively after cessation of rain to prevent and counterpart disease.
- Under prevailing rainy weather condition, farmers are advised to sow early and medium early varieties of Aman paddy by utilizing rain water.

### **Odisha**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Odisha is below normal for week-1 and above normal for week-2.

- Under prevailing heavy rain condition, there is a chance of root rot in vegetables. To control, it is advised to spray 2 g Metalaxil +Mancozeb in 1 litre water.
- Under prevailing weather condition, staking is advised in banana plants avoid lodging.

## **Jharkhand**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Jharkhand is below normal for week-1 and above normal for week-2.

- Intercultural operation is advised in green gram to maintain soil moisture for a longer period.
- Under the prevailing weather condition, farmers are advised to go for planting of ginger crop with recommended varieties like Bardhwan, Suruchi, Nadiya, Suprabha.

## **Chhattisgarh**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Chhattisgarh is below normal for week-1 and above normal for week-2.

- Deep ploughing of the field is advised to prevent crops from soil borne diseases, weeds and insect eggs in the soil.
- Due to increase in temperature, farmers are advised to cover animal and poultry sheds with gunny bags to maintain the inner temperature.

## **Andhra Pradesh**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Andhra Pradesh is below normal for week-1 and above normal for week-2.

- Farmers are advised to do summer ploughing to control of sedges and deep-rooted weeds, expose the pupae of insects to high temperatures and improve soil moisture retention.
- Under prevailing high temperature, farmers of North and central Coastal Andhra Pradesh are advised to provide irrigation in sugarcane crop.

## **Madhya Pradesh**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Madhya Pradesh is no rain for week-1 and above normal for week-2.

- Due to high humidity and cloud cover, insect-pest management practice is advised in green gram crop and rogue out mosaic plant from the field.
- Farmers are advised to place cooling system in the poultry and dairy houses to reduce high temperature stress during day hours.

## **Assam**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Assam is above normal for week-1 and week-2.

- Due to high wind and rainy weather condition, it is advised to remove excess amount of water from vegetable crop fields and provide mechanical support followed by earthing up at the base of the stem.
- Under prevailing rainy condition, farmers are advised for planting of fodder crops like Napier,

Para, Setaria.

### **Jammu**

The extended range weather forecast provided for next two weeks (22 – 28 May 2020 and 29 May – 04 June 2020) on rainfall over Assam is below normal for week-1 and normal for week-2.

- Under the prevailing weather condition, land preparation and nursery raising of early transplanted rice is advised. Recommended varieties viz. IET-1410, K-39, Ratna, PC-19, Jaya.
- Ploughing of fallow land for soil solarization against insect pests and weed infestation is advised.