



# **National Agromet Advisory Services Bulletin**

**Date of issue: 07 April 2023**

based on

**Extended Range Weather Forecast (ERFS)**

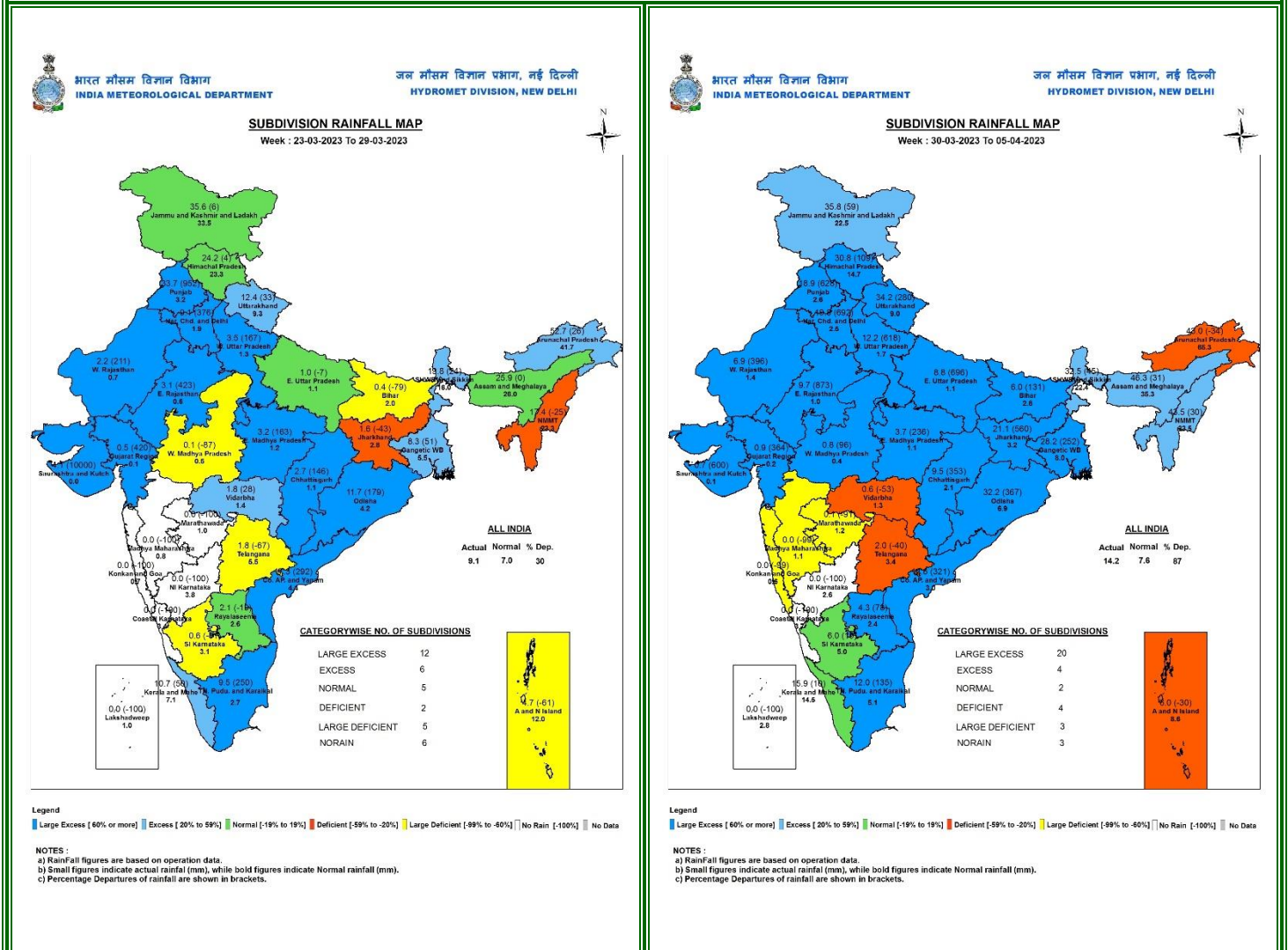
**Validity: 07 – 20 April 2023**

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**AICRP on Agro-Meteorology (AICRPAM)  
Central Research Institute for Dryland Agriculture (CRIDA)  
Indian Council of Agricultural Research (ICAR)  
&  
India Meteorological Department (IMD)  
Earth System Science Organization**

## Realized Rainfall and Extended Range Forecast (Rainfall and Temperature)

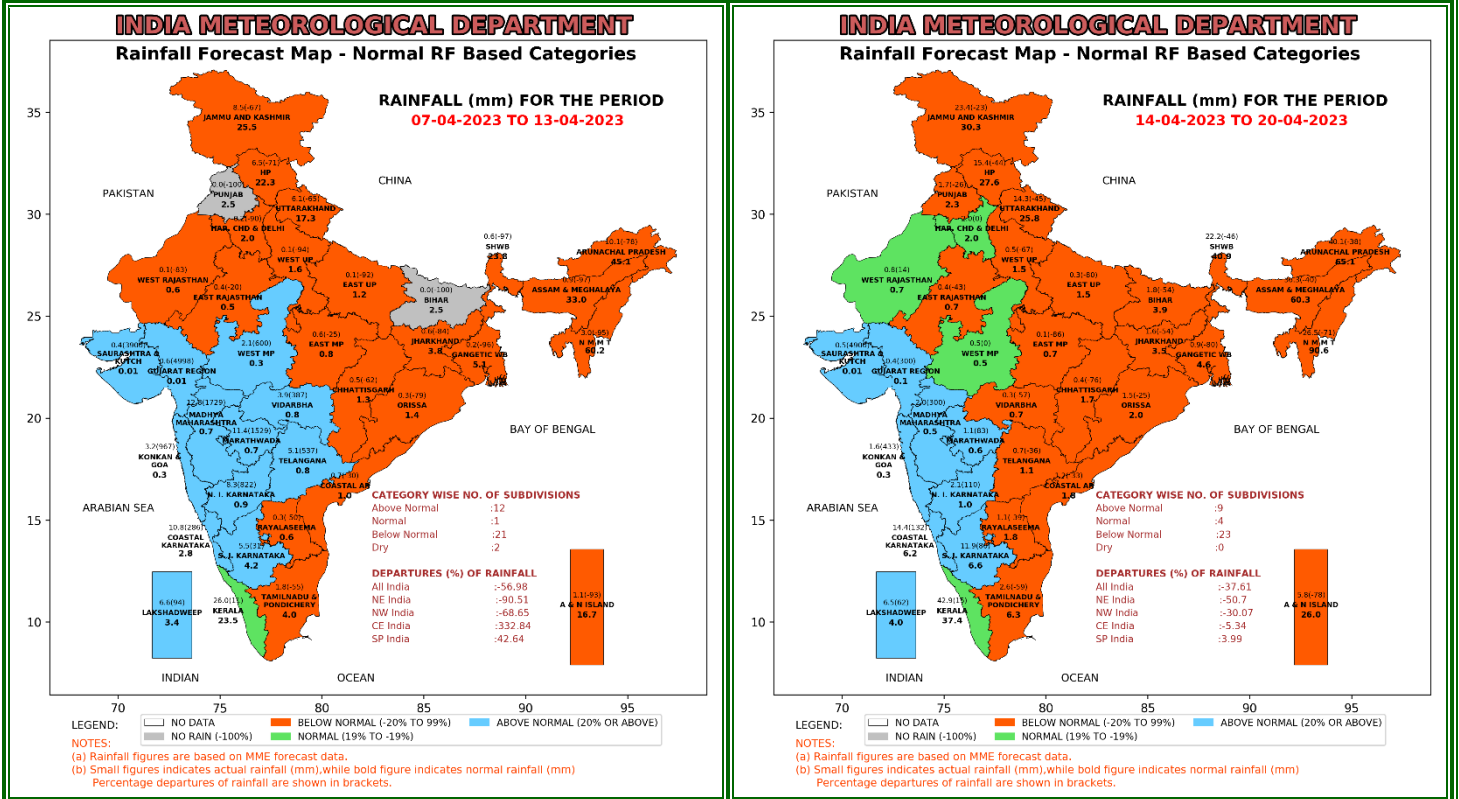
### Realized Rainfall (23<sup>rd</sup> March to 5<sup>th</sup> April 2023)



- Normal or above normal rainfall occurred in both the weeks in Jammu Kashmir & Ladakh, Himachal Pradesh, Uttarakhand, Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Gujarat State, East Madhya Pradesh, West Bengal & Sikkim, Assam & Meghalaya, Chhattisgarh, Odisha, Andhra Pradesh & Yanam, Tamil Nadu Puducherry & Karaikal and Kerala & Mahe.
- Normal or above normal rainfall occurred in either of the two weeks over Bihar, Jharkhand, Arunachal Pradesh, Nagaland Manipur Mizoram Tripura (NMMT), West Madhya Pradesh, Vidarbha and South Interior Karnataka.
- Below Normal rainfall/no rain occurred in both the weeks over Konkan & Goa, Madhya Maharashtra, Marathwada, Telangana, Coastal Karnataka, North Interior Karnataka Lakshadweep and Andaman & Nicobar Islands.

## Extended Range Forecast System

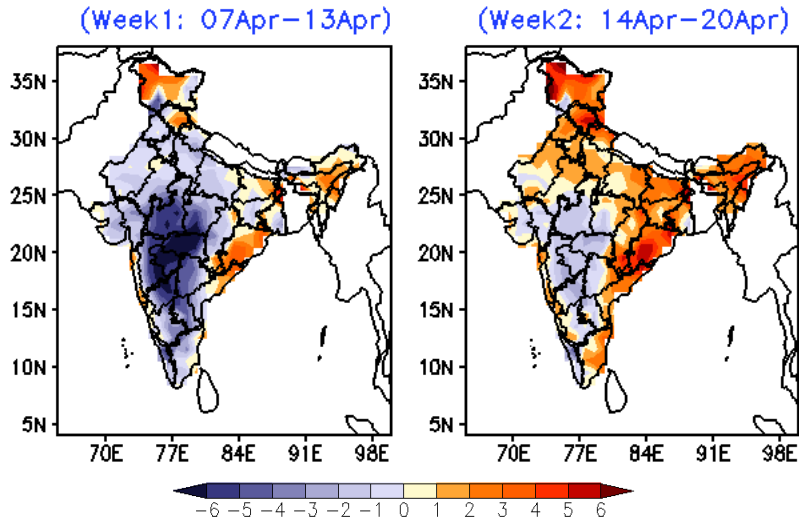
### Rainfall forecast maps for the next 2 weeks (IC- 5<sup>th</sup> April) (7<sup>th</sup> to 20<sup>th</sup> April 2023)



- **Week 1 (07.04.2023 to 13.04.2023):** No significant rainfall activity is likely over the country.
- **Week 2 (14.04.2023 to 20.04.2023):** Rainfall activity associated with Western Disturbance is likely over extreme north India. Rainfall associated with convective activity is likely over parts of Northeast India and southern peninsula.

**Maximum and Minimum temperature anomaly ( $^{\circ}\text{C}$ ) forecast  
for the next 2 weeks (IC- 5<sup>th</sup> April)  
(7<sup>th</sup> to 20<sup>th</sup> April 2023)**

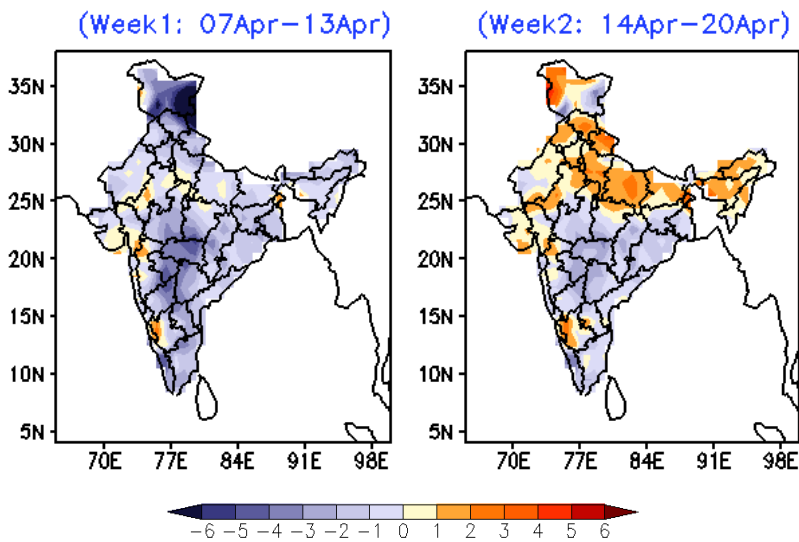
**MME forecast Tmax anomaly (Deg C)**



**Maximum Temperature (Tmax)**

- **Week 1 (07.04.2023 to 13.04.2023):** Tmax is likely to be below normal over most parts of the country except parts of eastern coastal region and north-eastern states.
- **Week 2 (14.04.2023 to 20.04.2023):** Tmax is likely to be above normal over north India, northwest India, eastern coastal states and northeastern states.

**MME forecast Tmin anomaly (Deg C)**



**Minimum Temperature (Tmin)**

- **Week 1 (07.04.2023 to 13.04.2023):** Tmin is likely to be below normal over the country
- **Week 2 (14.04.2023 to 20.04.2023):** Tmin is likely to be above normal over north India, northwest India, northeast India and Indo-Gangetic plains.

## **Agromet Advisories**

### **Uttar Pradesh**

The amount of rainfall received over East Uttar Pradesh was 27 mm (227% large excess) and over West Uttar Pradesh was 40 mm (244% large excess) during 01 March - 06 April 2023. The extended range weather forecast (rainfall) for the next two weeks (07 to 13 April and 14 - 20 April 2023) is below normal for both the subdivisions during week-1 and week-2.

#### *Western Uttar Pradesh*

- Due to forecast of rainfall forecast during next week, farmers are advised harvest wheat, and barely. Keep the harvested produce in safe place.
- Farmers are advised to sow *zaid* Urd and Moong in vacant fields of pea, lentil, chickpea and mustard. Spraying of pre-emergence weedicide Pendimethalin 30% EC@2.5 to 3 l/ha before sowing is recommended.
- For managing shoot & fruit borer in brinjal, farmers are advised to spray Chlorantraniliprole 18.50 % SC@ 3ml /10 liter of water or Deltamethrin 2.8% EC 10 ml/10 liter of water

#### *Eastern Uttar Pradesh*

- Farmers are advised to harvest matured wheat, pigeon pea.
- Sugarcane is in emergence stage. Intercultural operations are recommended.
- Farmers are advised to sow *zaid* Urd and Moong in vacant fields of pea, lentil, chickpea and mustard. Spraying of pre-emergence weedicide Pendimethalin 30% EC@2.5 to 3 l/ha before sowing
- For managing shoot & fruit borer in brinjal, farmers are advised to spray Chlorantraniliprole 18.50 % SC@ 3ml /10 liter of water or Deltamethrin 2.8% EC 10 ml/10 liter of water

### **Haryana**

54 mm (211% large excess) rainfall was received over Haryana during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over Haryana is below normal for week-1 and normal for week-2.

- Harvesting and threshing of mustard is recommended
- Use lime @ 100 kg/ha in fish ponds to maintain the water quality
- Due to the possibility of lightning and thunderstorms, keep the animals under shed and away from trees. Animals should be given adequate balanced feed and lukewarm water to drink. To provide each cattle/animal 50 grams iodized salt and 50 to 100 grams mineral mixture daily with feed & green fodder/berseem to keep them healthy.

### **Himachal Pradesh**

93 mm (-26% deficit) rainfall was received over Himachal Pradesh during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over Himachal Pradesh is below normal for both week-1 and week-2.

- Harvesting of matured wheat is recommended only under clear weather conditions during

week-2.

- Farmers are advised to cover their apple crop with anti hail nets to protect flowers and fruit setting from the hail
- Nursery sowing of chilly, tomato and brinjal (Arka Nidhi, Arka Keshav and Hissar Shymal) as well as transplanting in mid hills is recommended
- In wheat crop, spray of propiconazole 25 EC @ 1 ml / l or bayleton (triadimefon) @ 1 ml / l of water is recommended against yellow rust and repeat the spray at 15 days interval if needed. For powdery mildew in wheat as well as other crops including pea, spray Carbendazim 50% WP (0.5 g / litre water).

### **Punjab**

Punjab has received 73 mm rainfall (194% large excess) during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over Punjab is no rainfall during week-1 and below normal during week-2.

- Farmers are advised to harvest wheat and oilseeds.
- Farmers are advised to drain out excess water from crops by drainage channels as there are chances of light to moderate rainfall during week-2.
- Harvest the cucurbits and other vegetables like tomato, chilli, brinjal and okra at regular intervals.
- To protect the new flush of fruit plants especially citrus plants from sucking pests, spray Imidacloprid 17.80 % SL @ 0.4 ml per litre or Chlorpyrifos 20 % EC @ 1ml per litre of water can be used after weather clears up.
- To manage powdery mildew in mango, spray Hexaconazole 5% EC @ 1.0 ml per

### **Rajasthan**

West and East Rajasthan have received 19 mm (232% large excess) and 29 mm (469% large excess) rainfall respectively during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over both the subdivisions are below normal during week-1; below normal over East Rajasthan and normal over West Rajasthan during week-2.

- Farmers are advised to harvest mustard crop and cover it by plastic sheets or keep in shaded place.
- Farmers are advised to delay harvesting of wheat and barely crops. If already harvested, they can keep the produce by covering plastic sheets or keep in shaded place.

### **Gujarat**

Gujarat region received 11 mm rainfall (2205% large excess, as the normal rainfall is just 0.5 mm) and Saurashtra & Kutch region received 16 mm rainfall (5363% large excess as the normal rainfall is just 0.3 mm) during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over both the subdivisions is above normal for week-1 and below normal for week-2.

- Mango is in pea/marble size. Spray Novel 1% (1 Liter) or NAA 20 ppm (2g) + Urea 2% (2



kg) in 100 liter of water to reduce fruit drop in mango.

- Green gram and black gram are in vegetative stage. Spray Neem oil @ 50 ml/15 liter or *Beauveria bassiana* @ 50 g/15 liter for management of sucking pest in clear weather condition
- Under present weather condition, monitor sesame crop for infestation of leaf roller. If infestation found above ETL (5 larvae/20 plants), spray Cartap hydrochloride 50% SP 15 g in 10 liters of water.
- For prevention of Downy mildew disease in summer vine crops due to unseasonal rainfall spray Mencozeb 75 % W.P. @ 27 g in 10 liters of water.

### **Madhya Pradesh**

West Madhya Pradesh received 20 mm (303% large excess) and East Madhya Pradesh received 28 mm rainfall (141% large excess) during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) is above normal over West MP and normal over East MP during week-1; below normal during week-2 for both the subdivisions.

- In Mungbean, urdbean & soybean, apply irrigation at weekly intervals due to rise in the temperatures, manage weeds and sucking pests like jassids
- In cucurbit crops, to control Powdery mildew disease spray Carbendazim 50% WP @2g/liter of water. And manage red pumpkin beetle in the field.
- Harvest the wheat crop before the occurrence of predicted rainfall, and keep all the *rabi* season produce under shaded condition
- Keep dairy and poultry animals under shaded conditions to protect from direct sunlight during noon hours. Give food during evening hours. A cooler may be placed under the shade to lower down temperature during noon hours

### **Bihar**

26 mm (168% large excess) rainfall was received over Bihar during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over Bihar is no rainfall during week-1 and below normal during week-2.

- Sowing soon of green gram (*mung bean*) & black gram (*urd*) is advised. Application of 20 kg nitrogen, 45 kg phosphorus, 20kg potash and 20 kg sulphur/ha is advised during land preparation. *Pusa Vishal*, *HUM-16* and *Sona* varieties for *mung bean* and *Pant Urd-19* and *Pant Urd-31*, *Uttra* and *Navin* varieties of *urd* are recommended for sowing in North Bihar. Seed rate @20-25 kg/ha for small sized grain and 30-35 kg/ha for large sized grain with a spacing of 30x10 cm plant to plant is advised. Before sowing, seed should be treated with *rhizobium* culture
- Complete the sowing of summer vegetables such as okra, pumpkin, cucumber, sponge gourd, ridge guard, bitter guard at the earliest
- Spraying of Imidacloprid 17.8 SL@1ml/2 liters of water and Hexaconazole@1gram/2 liters of water or Dainocap 46 EC@1 ml/liter of water is advised against hopper and sooty mold growth.. Application of plant growth regulator like Planofix (Naphthyl Acetic Acid-NAA) @1ml/3 liters of water is advised during pea stage of fruit against fruit drop.
- Monitoring is advised for red pumpkin beetle in cucurbits. The grubs damage the plants by boring into the roots and underground stems. The adult beetles injure the flower, foliage by biting holes in to them. Severe infestation results in the death of the plant or retardation of growth. Dusting of Chlorpyrifos 2% dust @20 kg/hectare near root of the plant is advised for

control of grub infestation. In severe cases, spraying of Dichlorvos 76 EC@1 ml/liter of water is advised in clear weather condition.

### **Jharkhand**

54 mm (218% large excess) rainfall received over Jharkhand during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over Jharkhand is below normal for both the weeks.

- Summer rice is in panicle initiation stage. Use cono-weeder for inter cultural operation and broadcast urea @30 kg per acre.
- Chick pea is at physiological maturity in most of the places. farmers are suggested to harvest the crop to avoid scorching sun and high wind velocity.
- In linseed crop, precaution should be taken against disease like Alternaria blight and powdery mildew hence, for blight, prophylactic spray of Double dose (Iprodione 25 % WP + Carbendazim 25 % WP) @ 2 g per lt. water and for Powdery mildew Calixin (Tridemorf 80 % EC @ 5 ml per 10 lt water twice are highly recommended.
- In redgram(arhar) pod borer infestation can be managed by spraying chlorpyrifos 20 percent @ 5 ml per liter of water two times at an interval of 8-10 days

### **Chhattisgarh**

43 mm (301% large excess) rainfall received over Chhattisgarh during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over Chhattisgarh is below normal for both weeks.

- Farmers are advised not to irrigate the summer sugarcane crop keeping in view the possibility of light rains in the coming days
- sow summer crops after proper seed treatments. After this, if there is not enough moisture in the soil for germination of the seeds, light irrigation should be given
- Farmers are advised to start harvesting the crops carefully keeping in view the possibility of light rains in the coming days.
- In summer paddy, farmers are advised to place pheromone traps and light trap nearby the field for the control of stem borer. Spray Fipronil 5 S.C.0.5ml or chlorpyrifos 1ml per litre for the control of stem borer infestation.
- Top dressing of 2.50 kg per acre of Nitrogen by light hoeing in summer ragi crop should be done. Fipronil 5 SC should be used to prevent pink stem borer attack. Dissolve 2 ml/liter of water and spray immediately

### **Odisha**

83 mm rainfall (214% large excess) was received over Odisha during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over Odisha is below normal for both weeks.

- In sugarcane crop, apply 87 kg of DAP, 20 kg of MOP and 4 tonne of FYM at the time of planting in trenches is recommended. Top dressing with Urea @ 60 kg per acre each at 45,



75 and 105 days after planting should be done.

- Green gram and black gram have reached maturity. Harvest the matured green gram and black gram crop. After harvesting, dry the seeds until the optimum moisture content is attained.
- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter melon, cucumber and pumpkin etc.
- The present high temperature and intermittent thunder shower is favourable for Brown Plant Hopper and White Backed Plant Hopper infestation in paddy. Avoid excess use of nitrogenous fertilizer. Do not keep standing water in the field for longer period. If infestation of BPH occurs (5-10 hoppers/hill), spray Neem Based Pesticide (Azadirachtin) 1500 PPM @ 600 ml/acre at the base of the plant. If the problem persists, or Dinotefuran 20 % SG @ 80 g/acre or Flonicamid 50 % WG @ 60 g/acre at the base of the plant.

### **West Bengal**

Gangetic West Bengal (GWB) has received 72 mm (120% large excess) and Sub Himalayan WB (SHWB) has received 148 mm (97% large excess) during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over GWB is above normal and that of SHWB is below normal over both the subdivisions during week-1 and week-2.

- In mango, application (2 ml in 4.5 liter water) of NAA@ 4.5% SL (Na salt) is advised to tender fruits once at pea size, 2nd spray at marble size (about 2 cm diameter). This can prevent premature droppings of mango.
- Groundwater application in *boro* rice is strictly discouraged, especially in the Arsenic prone tract in Nadia. Use of available surface water should be done for irrigation purposes in rice fields.
- Nets should be used to cover maize fields to prevent birds from destroying fresh corn.
- Due to previous week rainfall the appearance of blight may occur, Excessive rain water should be drained immediately and application of Kresoxim-methyl 44.3% SC (1g in 1lt water) is advised.

### **Assam**

146 mm rainfall (40% excess) was received over meteorological subdivision that included Assam during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over Assam is below normal during both weeks.

- In *boro* rice, go for top dressing of urea during panicle initiation stage or 60-65 days after transplanting of seedlings in the main field. Apply urea at the rate of 6 kg per bigha land. Top dressing followed by weeding using a paddy weeder is recommended, as it will facilitate the incorporation of nitrogenous fertilizer into the soil.
- Land preparation may be initiated for cultivation of maize crop. During final land preparation, apply 7 quintals of FYM at the rate of per bigha land and mix thoroughly.

Collect recommended hybrid varieties like Bio 9544, Vivek Maize Hybrid 47, Vivek Maize Hybrid 53 etc. or composite varieties like Dhawal, Navjot etc. for getting higher yield.

- Continue nursery raising of the cuttings (stem/leaf-bud/air layering) of Assam lemon. Stem cutting may be raised in polyethylene bags under partial shade condition. For transplanting the cuttings in the main field during May to August, pits of 0.5m x 0.5m size with a spacing of 3m x 3m should be prepared now and refilled with soil-manure mixture (1:1) and then allowed to settle.
- Due to the congenial weather condition, fruit rot or Anthracnose disease may be observed in chilli. In order to control the disease, spraying of Captan 50 WP 0.2% or Dofolatan 0.2% solution at the rate of 2 gram/litre of water may be advocated under fair weather conditions.
- Cercospora leaf spot is a serious disease in green gram and black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin, under fair weather, at an interval of 12-15 days, to effectively reduce pest population.
- Regularly inspect the droppings of the poultry bird for any disease symptoms. Vaccinate poultry to protect against Ranikhet disease. Provide 1st vaccine to 5-7 days old and 2nd to 21-25 days old poultry birds.
- For protecting against infectious Brusal disease (Gumboro); vaccinate 12-14 days old poultry birds. Vaccinate the 1-month-old ducklings with cholera vaccine in order to immunize them against avian cholera.

### **Jammu**

The amount of rainfall received over Jammu was 115 mm (-34% deficit) during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) over Jammu is below normal for both weeks.

- Rogue out loose smut and karnal bunt affected wheat plants and destroy by burning or deep burying under soil to avoid further dispersal.
- Harvest matured mustard crop (if not harvested yet) at 75-80 percent of the pods (Siliqua) turning brown in colour. The bundles of the harvested plants should be kept in stack with head upwards before threshing.
- Sowing of summer pulses can be taken up. Mash (var.) Pant U-19, Uttara and Moong (var.) PDM-54, ML-131, ML 818, PS-16, PS-7, in those areas where rabi crops are harvested under irrigated areas.
- Spray combi product (Azoxystrobin 1.3% + Tebuconazole 0.22% + Thiamethoxam 25.9% FS)@60ml/ha to control post damping off disease in Okra.

### **Tamil Nadu**

The amount of rainfall received over Tamil Nadu was 45 mm (76% large excess) during 01 March - 06 April 2023. The extended range weather forecast (rainfall) for the next two weeks (07 to 13 April and 14 - 20 April 2023) is below normal for both week-1 and week-2.

- This is the right time to take up sowing of ADT-5 blackgram for summer season to reap better yield

- In rice fallow cotton, farmers can take up weeding followed by earthing up and do irrigation
- For citrus canker disease, farmers are advised to spray spray of Copper oxychloride (COC) @ 0.3% followed by 4 sprayings with Streptocyclin 100 ppm + COC @ 0.3 % at monthly intervals after pruning.

### **Kerala**

42 mm (-15% deficit) rainfall was received over Kerala during 01 March - 06 April 2023. The extended range weather forecast (rainfall) for the next two weeks (07 to 13 April and 14 - 20 April 2023) is normal for both week-1 and week-2..

- Tubers such as amorphophallus, colocasia, greater yam etc. can now be planted in areas that received summer rains.
- There is a chance of mites infestation in banana. Apply wettable sulphur 3g/ litre of water. Give strong propping to banana. Rhizome rot: There is a chance of Rhizome rot in banana. As a prophylactic measure, drench the basin with three litre of pseudomonas solution (20g per one liter of water) or mix 5 grams of bleaching powder in one liter of water and pour it around each banana. If the disease is severe, mix copper hydroxide 2 g/l or copper oxychloride 3 g/l with water.
- Quick wilt/pollu disease: Regulate the shade in pepper gardens. Drench the soil with 0.2% copper oxy chloride and spray the aerial part with 1% Bordeaux mixture as a prophylactic measure to control quick wilt and pollu disease of pepper.
- There is a chance of thrips infestation in chilli. Apply 2% neem oil garlic emulsion or spray Acetamiprid 20 % SP @ 2gram/ 10 litres of water.
- Ensure sufficient supply of clean drinking water to the animals. Allow the animal to graze early in the morning or in the evening to avoid direct sunlight.

### **Karnataka**

North Interior Karnataka received 8 mm rainfall (-25% deficit) and South Interior Karnataka received 14 mm rainfall (-25% deficit) and coastal Karnataka received 2 mm rainfall (-86% large deficit) during 01 March - 06 April 2023. The extended range weather forecast (rainfall) for the next two weeks (07 to 13 April and 14 - 20 April 2023) is above normal for all the three sub-divisions during both the weeks.

#### *South Interior Karnataka*

- As above normal rainfall is forecasted during next two weeks, withhold irrigation in mango orchards.
- Spray sulphur dust (SULTAF) 80 W @3g/litre of water against the Powdery mildew diseases
- Clean drinking water be provided to animals and water troughs should be regularly cleaned
- Ensure provision of 60 lts. of water/day/animal. Proper ventilation should be maintained for free circulation of air in the sheds. Apply 4-6 inch thick thatch as a roofing material. Water can be used for spraying the floor and roof of shelter.

#### *North Interior Karnataka*

- Maintain optimum soil moisture with timely irrigation in groundnut and sunflower, which

are in pod maturity and flowering stage respectively, during week-1.

- To control groundnut leaf miner, spraying of Deltamethrin 02.80 % EC @ 1ml/litre. Similarly manage hairy caterpillar in sunflower by spraying Cypermethrin 10 % EC @ 1ml/liter of water.
- Animals may preferably be grazed during early morning and late evening to avoid exposure to extreme hot conditions and during hot hours,
- Vaccinate sheep and goats against Enterotoxaemia (ET vaccine).

### **Maharashtra**

6 mm (38% excess) rainfall over Madhya Maharashtra; 6 mm (-24% deficit) in Marathwada; 7 mm (187% large excess) in Konkan region and 16 mm (40% excess) over Vidarbha was recorded during 01 March - 06 April 2023. The extended range weather forecast (rainfall) for the next two weeks (07 to 13 April and 14 - 20 April 2023) is above normal over all the four subdivision during both week - 1 and week-2, except below normal rainfall forecast over Vidarbha during week-2.

#### *Vidarbha*

- In view of rainfall during coming week, it is advised to avoid water stagnation in groundnut fields, as the crop is in peg formation/penetration stage. Avoid over irrigation/water stagnation to prevent the incidence of root rot during week-2. Undertake light earthing up at peg initiation stage for effective peg penetration.
- Sunflower is in flowering stage. Undertake need based inter-culture operation and keep the crop weed free up to 45 days, being a critical period of crop-weed competition.
- In sunflower, to control sucking pests (jassids, thrips and white fly), spray of Imidacloprid 17.8 % EC @ 2.0 ml.per 10 liters of water is recommended
- In sheep and goat preventive vaccination for Bulkandi disease (Rinderpest) is advisable
- In livestock, preventive vaccination for foot and mouth disease (FMD) and preventive deworming for flat worms is recommended

#### *Marathwada*

- Threshing of harvested *rabi* Sorghum and wheat should be done. Store the threshed grain at safe places.
- For moisture conservation and maintenance of soil temperature mulching should be done in mango orchards. If fruit drop is observed in a mango orchard take a spray NAA(Alpha Naphthyl Acetic Acid 4.5% SL (Na salt)@ 2 ml in 4.5litre water.

#### *Madhya Maharashtra*

- To control fruit drop in mango orchards, spraying of 20 ppm Planofix is advised. And also spraying of Karathane @ 5 ml per 10 litre of water is advised to control powdery mildew.
- To control onion blight, spraying of Difenconazole25% EC or Tebuconazole25.9%EC @ 1% or 10 ml in 10 lit of water is recommended.
- To control Fall army worm in maize, Tricocard @ 5 per ha and spraying of Emamectin benzoate 5 % SG @5g or Chlorantraniliprole 18.5 % SC @5ml per 10 lit of water is recommended.

### *Konkan*

- Maintain optimum water level of 5-10 cm in rice field where crop is in panicle initiation to flowering stage.
- Due to forecast for light rainfall, harvest the matured mango fruits by observing rainfall situation before 10 am in the morning and after 4 pm in the evening at 80 to 85% maturity. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat.
- Due to forecast for rise in temperature which may leads to premature fruit drops in mango, to minimize the pre-mature fruit drop of mango, as per availability of water, apply 100 liter /tree at weekly or 150 to 200 liter/ tree at 15 days interval from pea to arecanut fruit size also use straw mulch.
- Due to forecast for light rainfall, carryout harvesting of the matured cashew nuts and keep at safe and protective places for drying.
- There is possibility of stem borer in cashewnut trees. Grubs makes tunnel in the sapwood on the trunk and branches, which results in wilting of branches or entire tree. Observe the orchard regularly for pest infestation. If the incidence is noticed, remove the grubs from the holes and apply Chlorpyrifos 20% EC @ 5 ml or Fipronil 5%SC @ 5 ml per liter of water on the stem (swabbing).

### **Andhra Pradesh**

41 mm (248% large excess) rainfall was received over Rayalaseema and 74 mm (341% large excess) rainfall was received over Coastal Andhra Pradesh during 01 March - 06 April 2023. The extended range weather forecast (rainfall) provided for the next two weeks (07 to 13 April and 14 - 20 April 2023) is below normal over both the subdivisions during both week-1 and week-2.

- Mango is in fruit development stage. Light irrigations need to be given at 10-15 days interval depending on prevailing temperature and soil type.
- Present weather condition is favourable for stem borer infestation in rice of Ananthapuramu, Kurnool, Chittoor and Nellore districts, which is in anthesis stage. Spraying of Cartap hydrochloride @2g or Chlorpyrifos@ 2.5ml/L of water is recommended.
- Period water spray during peak hot hours reduces the heat load on animals. Proper ventilation should be maintained for free circulation of air in the sheds.

### ***Disclaimer:***

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