

# Advisory for DD Kisan dated 18.05.18

(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

## Significant Weather Features

- Yesterday, heat wave conditions were observed at one or two pockets over Vidarbha.
- Maximum temperatures very likely to rise by 1-2° C over West & adjoining northwest and central India during next 2-3 days, leading to heat wave conditions at a few places with severe at isolated places over Vidarbha and heat wave at one or two pockets over Rajasthan, Madhya Pradesh and Gujarat during next 3 days.
- There are two Western Disturbance one lies over Jammu & Kashmir and neighbourhood and another over Iran and neighbourhood; a cyclonic circulation lies over central parts of south Uttar Pradesh which is embedded in two troughs a north-south trough from Uttarakhand to west Vidarbha and another east-west trough upto Manipur across south Bihar, northern parts of West Bengal and Meghalaya in lower levels. The prevailing easterly winds over northern plains in lower level are also weakening. Under the influence of these weather system, thunderstorms accompanied with gusty winds at isolated places very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, east Haryana and north Madhya Pradesh and squall over Uttar Pradesh during next 48 hours. Meteorological conditions are also conducive for scattered to fairly widespread thundershowers with gusty winds and heavy rainfall at isolated places over northeast India and gusty winds at isolated places over east and peninsular India during next 2-3 days.

## Realised Rainfall

(From 0830 hours IST of yesterday to 0830 hours IST of today):

- Rain/thundershowers observed at most places over Kerala; at a few places over Jammu & Kashmir, Chhattisgarh, Telangana, interior Karnataka, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; at isolated places over north Rajasthan, West Bengal & Sikkim, Arunachal Pradesh, north Coastal Andhra Pradesh, Coastal Karnataka, Konkan & Goa, Tamil Nadu & Puducherry, Lakshadweep and Nicobar Islands.

## Maximum temperature

- **Maximum temperature departures as on 17.05.2018:** Maximum temperatures were appreciable above normal (3.1°C to 5.0°C) at many places over Himachal Pradesh; at a few places over Saurashtra & Kutch; at isolated places over Madhya Maharashtra; above normal (1.6°C to 3.0°C) at most places over West Madhya Pradesh, Gujarat region & Vidarbha; at many places over Rajasthan and Andaman & Nicobar islands; at a few places over East Madhya Pradesh, Marathwada and Assam & Meghalaya; at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and Coastal Karnataka
- **The highest maximum temperature of 47.6°C** recorded at **Chandrapur (Vidarbha).**

## Temperature Forecast:

- No significant change in maximum temperature over West Madhya Pradesh during next 24 hours and rise by 2-3°C thereafter and no significant change in maximum temperature over the rest of the country during next 3 days.

## 5 Day Rainfall Forecast (Mid-day)

**18<sup>th</sup> May 2018**

Met-Sub-Division	18-May Today	19May Sat	20May Sun	21May Mon	22May Tue
1. Andaman & Nicobar Islands	FWS	FWS	FWS	DRY	FWS
2. Arunachal Pradesh	SCT	SCT	SCT	FWS	FWS
3. Assam & Meghalaya	SCT	SCT	FWS	FWS	FWS
4. N. M. M. & T.	WS	WS	FWS	FWS	WS
5. S.H. West Bengal & Sikkim	FWS	SCT	SCT	DRY	FWS
6. Gangetic West Bengal	SCT	ISOL	SCT	ISOL	ISOL
7. Odisha	ISOL	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	ISOL	ISOL	ISOL	ISOL	ISOL
9. Bihar	ISOL	ISOL	ISOL	ISOL	ISOL
10. East Uttar Pradesh	ISOL	ISOL	ISOL	DRY	DRY
11. West Uttar Pradesh	ISOL	ISOL	DRY	ISOL	ISOL
12. Uttarakhand	SCT	ISOL	DRY	DRY	DRY
13. Haryana, Chd & Delhi	ISOL	ISOL	DRY	DRY	DRY
14. Punjab	ISOL	ISOL	DRY	DRY	DRY
15. Himachal Pradesh	FWS	SCT	ISOL	DRY	DRY
16. Jammu & Kashmir	FWS	FWS	SCT	ISOL	DRY
17. West Rajsthan	ISOL	ISOL	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	DRY	DRY	DRY
19. West Madhya Pradesh	ISOL	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	ISOL	DRY	DRY	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	ISOL	ISOL	ISOL	DRY	DRY
24. Madhya Maharashtra	ISOL	ISOL	DRY	DRY	DRY
25. Marathwada	ISOL	DRY	DRY	DRY	DRY
26. Vidharbha	ISOL	DRY	DRY	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	DRY	DRY	DRY
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	DRY	DRY
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	SCT
32. Coastal Karnataka	FWS	FWS	SCT	SCT	SCT
33. North Interior Karnataka	SCT	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	SCT	FWS	FWS	FWS	FWS
35. Kerala	SCT	FWS	SCT	SCT	SCT
36. Lakshadweep	FWS	FWS	FWS	FWS	FWS

### % Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

## **Weather Warning**

- **18 May (Day 1): Thunderstorm accompanied with squall** very likely at isolated places over Uttar Pradesh, East Rajasthan, Nagaland, Manipur, Mizoram & Tripura.  
**Thunderstorm accompanied with gusty winds** very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Madhya Pradesh, Vidarbha, Chhattisgarh, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Andhra Pradesh, Karnataka, Tamilnadu, Kerala and Lakshadweep.  
**Thunderstorm/ Dust storm** very likely West Rajasthan.  
**Heat wave conditions** at some parts with severe heat wave at one or two pockets over Vidarbha; heat wave conditions at one or two pockets over West Rajasthan, Madhya Pradesh and Gujarat.  
**Heavy to very heavy rain** at isolated places over Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Assam & Meghalaya, South Interior Karnataka, Kerala and Lakshadweep.  
**Gale winds** speed reaching 75-85 kmph gusting to 95 kmph is very likely around the centre of the cyclone covering Gulf of Aden and adjoining areas of westcentral and southwest Arabian sea during next 12 hrs and gradually decrease thereafter becoming 65- 75 kmph gusting to 85 kmph during subsequent 12 hours.  
**Fishermen are advised** not to venture into Gulf of Aden and adjoining areas of westcentral and southwest Arabian sea during the next 48 hours.
- **19 May (Day 2): Thunderstorm accompanied with squall** very likely at isolated places over Uttar Pradesh.  
**Thunderstorm accompanied with gusty winds** very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Haryana, Chandigarh & Delhi, East Rajasthan, Assam & Meghalaya, Coastal Andhra Pradesh, Coastal Karnataka, South Interior Karnataka, Tamil Nadu, Kerala and Lakshadweep.  
**Thunderstorm/ Dust storm** very likely West Rajasthan.  
**Heat wave conditions** at some parts with severe heat wave at one or two pockets over Vidarbha; heat wave conditions at one or two pockets over West Rajasthan, Madhya Pradesh and Gujarat.  
**Heavy rain** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka, South Interior Karnataka, Kerala and Lakshadweep.  
**Gale winds** speed reaching 75-85 kmph gusting to 95 kmph is very likely around the centre of the cyclone covering Gulf of Aden and adjoining areas of westcentral and southwest Arabian sea during next 12 hrs and gradually decrease thereafter becoming 65-75 kmph gusting to 85 kmph during subsequent 12 hours.  
**Fishermen are advised** not to venture into Gulf of Aden and adjoining areas of westcentral and southwest Arabian sea during the next 48 hours.
- **20 May (Day 3): Thunderstorm accompanied with squall** very likely at isolated places over Gangetic West Bengal.  
**Thunderstorm accompanied with gusty winds** very likely at isolated places over Bihar, Odisha, South Interior Coastal Karnataka and Kerala.  
**Heat wave conditions** at some parts with severe heat wave at one or two pockets over Vidarbha.

**Heavy rain** at isolated places over Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka.

- **21 May (Day 4): Thunderstorm accompanied with gusty winds** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim.
- **22 May (Day 5): Thunderstorm accompanied with gusty winds** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim.

### **Heat Wave warning and Advisory**

#### **Warning:**

- **Heat wave conditions** at some parts with severe heat wave at one or two pockets over Vidarbha during next 72 hours; heat wave conditions at one or two pockets over West Rajasthan, Madhya Pradesh and Gujarat during next 48 hours.

#### **Advisory:**

- As heat wave conditions very likely at one or two pockets over above regions, apply light and frequent irrigation in vegetables, orchard crops, green gram, black gram, maize to cope up with the excess evaporative demand due to heat wave conditions, undertake mulching with straw/polythene to conserve soil moisture.
- In view of expected heat wave conditions in above regions, grazing/feeding of cattle/goats may be done during morning/ evening hours. Keep animals under shade/shed during noon hours and provide plenty of water mixed with minerals for drinking.

### **Heavy Rainfall warning and Advisory**

#### **Warning:**

- **Heavy to very heavy rain** at isolated places over Nagaland, Manipur, Mizoram & Tripura during next 24 hours and heavy rain at isolated places during subsequent 48 hours.
- **Heavy rain** at isolated places over Assam & Meghalaya, Kerala and Lakshadweep during 48 hours, over South Interior Karnataka during next 72 hours and over Coastal Karnataka on 19<sup>th</sup> May.

#### **Advisory:**

- In view of expected heavy rain, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in ginger, turmeric, pulses and vegetable fields in Nagaland, Manipur, Mizoram & Tripura.

## **Thunderstorm accompanied with squall/ gusty winds**

### **Warning**

- **Thunderstorm accompanied with squall** very likely at isolated places over, East Rajasthan, Nagaland, Manipur, Mizoram & Tripura during next 24 hours, over Uttar Pradesh during next 48 hours and Gangetic West Bengal on 20<sup>th</sup> May.
- **Thunderstorm accompanied with gusty winds** very likely at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Konkan & Goa during next 24 hours, over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Andhra Pradesh, Karnataka, Tamil Nadu, Kerala and Lakshadweep during next 2-3 days and Sub-Himalayan West Bengal & Sikkim on 21<sup>st</sup> & 22<sup>nd</sup> May.
- **Thunderstorm/ Dust storm** very likely West Rajasthan during next 48 hours.

### **Advisory**

- In view of expected thunderstorm accompanied with squall / gusty winds in remaining above regions arrange support to young fruit plants and vegetables, propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safe places. Avoid spraying/dusting of chemicals during the period.

## **Agromet Advisories for summer crops from different AMFUs in the country**

### **State-wise Advisories**

#### **Kerala**

- Undertake nursery preparation & sowing of Viruppu rice. Cultivate ginger, Turmeric, Banana, Mulberry and Tuber crops as intercrops in coconut plantations. Continue planting of coconut seedlings and 3-4 months old banana suckers (varieties like Robusta, Poovan, Njalipoovan, Palayankodan, etc). Undertake planting of vegetables like brinjal, chilli, bhindi, bitter gourd, Amaranthus, etc.

#### **Karnataka**

- In South Interior Karnataka, continue land preparation and strengthen the bund with fodder grass which will facilitate conservation of rainwater due to pre-monsoon showers. Continue pre-monsoon sowing of short duration crops like cowpea (TVX-944, KBC-1), green gram (PS-16, PDM-84,178), black gram (Karagao-3, T-9, Rashmi (LBG-625)), horse gram, field bean, groundnut (TMV-2, JL-24, KCG-6), sesame (Navile-1, T-7) and ragi (Indof-9, GPU-48) crops utilizing the realized rainfall. Continue planting of ginger and turmeric.
- In North Interior Karnataka, undertake land preparation for sowing of kharif crops. Keep inputs ready for sowing of soybean (JS-335), green gram (BGS-9), black gram (DU-1) and red gram (TS-3R) crops.

## **Maharashtra**

- In view of isolated rain/ thundershowers over the state during next 2-3 days, keep the harvested produce in safer place.
- In view of thunderstorm with gusty winds over Konkan, Madhya Maharashtra, Vidarbha during next 24 hours, provide mechanical support to orchards ( Banana, Papaya), staking in vegetables.
- In South Konkan, continue nursery bed preparation for kharif rice & ragi.
- In Madhya Maharashtra, continue land preparation operations like ploughing in fallow lands for *kharif* season. Undertake nursery bed preparation for *kharif* rice in western ghat regions.
- In Marathwada, complete harvesting of matured groundnut as early as possible, dry the harvested crop in shade before storage. Keep harvested produce in safer place. Cover the banana bunches with green shade net to protect from bright sunshine. Also prepare artificial windbreaks around banana plantation.
- In Vidarbha heat wave conditions at some parts with severe heat wave at one or two pockets over Vidarbha during next 72 hours, apply light and frequent irrigation to vegetables and orchards. In view of thunderstorm with gusty winds over Vidarbha on 18th May, provide mechanical support to orchards like Banana, Papaya etc and staking in vegetables. Continue harvesting of early varieties of rice, dry the harvested crop in sun and thresh it.

## **Arunachal Pradesh**

- Continue transplanting of seedlings of summer vegetables to main field from nursery. Provide proper drainage facility in the fields of Boro rice, Jhum rice and summer vegetable. Undertake sowing of larger cardamom in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.

## **Assam**

- Continue harvesting of matured Boro rice, green gram/black gram and summer vegetables in clear weather. Carry out land preparation/sowing for maize crop. Continue transplanting of normal Ahu paddy. Carry out land preparation/seed collection/nursery sowing for Sali rice. Undertake planting of Assam lemon and banana. Complete the sowing of Bao rice and planting of ginger/turmeric.

## **Meghalaya**

- Continue sowing of cucurbits like cucumber, pumpkin, bottle gourd, ash gourd, squash, French bean and cowpea. Continue land preparation and sowing of maize varieties Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek, QPM-1, etc. Continue transplanting of chilli and brinjal crops.

## **Jammu & Kashmir**

- Continue land preparation and nursery raising of early transplanted rice (variety: IET-1410, K-39, Ratna, PC-19, Jaya). Continue sowing of maize, okra, French bean.
- Apply Carbaryl @ 2g/litre or Cypermethrin @ 1ml/litre of water against pumpkin beetle in cucurbits after current spells of rain.

## **Uttarakhand**

- Undertake preparation of nursery bed for rice. Continue intercultural operations in spring sugarcane.
- Continue transplanting of capsicum and brinjal in the polyhouse in mid and high hills and planting of turmeric, ginger and arbi.

## **Himachal Pradesh**

- Continue sowing of bhindi, planting of arvi etc. Continue transplanting of vegetables like tomato, capsicum, gourd, chilli etc. in the well prepared fields. Undertake preparation of rice nursery.

## **Punjab, Haryana & Delhi**

- In Punjab, continue sowing of Bt. cotton and desi cotton, transplanting of chilli. Procure the recommended varieties i.e. PR 126, PR 124, PR 123, PR 122, PR 121, PR 116, PR 114, PR 115, PR 113 etc. for kharif rice and undertake nursery sowing after 20th May. Apply irrigation in moong, mash, vegetables and orchards.
- In Haryana, continue sowing of cotton. Farmers are advised to prepare the land and sowing of green gram, Lobia, moth and Pigeon pea. Continue field preparation for rice nurseries.
- In Delhi, continue field preparation for sowing of pigeonpea and cotton. Continue harvesting of matured vegetables. Apply light irrigation in vegetables and standing crops.

## **Uttar Pradesh**

- Continue deep ploughing in vacant fields. Apply irrigation in vegetables. Continue field preparation for rice nursery. Continue field preparation for sowing of pigeonpea and cotton. Continue intercultural operations in cucurbit crops and sugarcane.

## **Rajasthan**

- Apply irrigation in summer groundnut, vegetables, orchards, sugarcane and moong. Continue sowing of cotton. Continue picking up of matured vegetables and cucurbits. Undertake digging up of matured tubers of onion.

## **Bihar**

- Continue sowing of summer maize varieties such as Suwan, Deoki, Ganga 11, Shaktiman-1, 2, 3, 4 and sowing of green gram and black gram utilizing the expected rainfall.
- Continue sowing of vegetables like lady's finger, pumpkin, cucumber, sponge gourd etc.
- Undertake land preparation and planting of turmeric and ginger.

## **Jharkhand**

- Maintain optimum water level in summer rice fields at milk stage. Continue planting of ginger and elephant foot yam.
- Summer rice crop is at milk stage and Gundhi bug infestation is more likely to be pronounced at this stage, dusting of Quinalphos 1.5 per cent dust @ 10 kg per acre during evening hours may be done or install Pheromone trap @ 3-4 nos. /acre.

## **West Bengal**

- In the Sub-Himalayan West Bengal, provide proper drainage facility in ginger and turmeric fields. Continue transplanting of round chilli in the raised beds and provide proper drainage. Undertake land preparation for soybean cultivation. Undertake planting of elephant foot yam.