

# **Advisory for DD Kisan dated 22.05.18**

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

## **Significant Weather Features**

- **Conditions are becoming favourable for the advance of Southwest monsoon into South Andaman Sea & neighborhood during next 2-3 days.**
- The depression over southwest Arabian sea moved northwestwards with a speed of 11 kmph during past 6 hours and intensified into a Deep Depression and lay centred at 0830 hours IST of 22<sup>nd</sup> May 2018 over southwest Arabian Sea near lat 9.2°N & long 57.2°E, about 520 km southeast of Socotra islands and 930 km south - south east of Salalah (Oman). It is very likely to intensify further into a cyclonic storm during next 24 hours and into a severe cyclonic storm in subsequent 24 hours. It is very likely to move northwestwards and reach south Oman - southeast Yemen coasts by 26<sup>th</sup> May 2018 morning.
- Yesterday, heat wave conditions observed at some places over Vidarbha and at one or two pockets over Madhya Maharashtra & West Madhya Pradesh.
- Maximum temperature likely to remain 2-3° C above normal leading to heat wave conditions at one or two pockets over plains of northwest and central India.

## **Realised Rainfall**

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

- Rainfall observed (from 0830 hours IST of yesterday to 1730 hours IST of today): Rain/thundershowers observed at most places over South Interior Karnataka; at many places over Kerala; at a few places over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, north Tamil Nadu & Puducherry; at isolated places over Assam & Meghalaya, Arunachal Pradesh, East Madhya Pradesh, Vidharbha, Telangana, Madhya Maharashtra, Coastal & North Interior Karnataka, Rayalaseema, Lakshadweep and Andaman & Nicobar Islands.

## **Maximum temperature**

- **Maximum temperature departures as on 21.05.2018:** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Himachal Pradesh and Uttarakhand; at many places over; at a few places over West Madhya Pradesh, Vidarbha and Assam & Meghalaya; at isolated places over Jammu & Kashmir, Haryana, Chandigarh & Delhi, Saurashtra & Kutch and Madhya Maharashtra; above normal (1.6°C to 3.0°C) at most places over East Rajasthan and Marathwada; at many places over Jammu & Kashmir, Punjab, West Rajasthan, West Madhya Pradesh and Gujarat region; at a few places over Haryana, West Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, East Madhya Pradesh and Saurashtra & Kutch; at isolated places over East Uttar Pradesh, Konkan & Goa, Madhya Maharashtra, Vidarbha, Telangana, Interior Karnataka and Kerala.

- The highest maximum temperature of 45.8°C recorded at **Wardha** (Vidarbha), **Khargone** (West Madhya Pradesh) and **Phalodi** (West Rajasthan) each.

### Temperature Forecast:

- Day maximum temperatures very likely to continue in the range of 42-45° C over most parts of central and northwest India and No significant change in maximum temperatures over rest of the country during the same period.

### 5 Day Rainfall Forecast (Mid-day)

22<sup>nd</sup> May 2018

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

% Station Reporting Rainfall

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

## **Weather Warning**

- **22 May (Day 1): Thunderstorm** accompanied with squall winds very likely at isolated places over Bihar.  
**Thunderstorm** accompanied with **gusty winds** very likely at isolated places over East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Telangana, Rayalaseema, Coastal Karnataka, South Interior Karnataka, Tamil Nadu, Kerala and Lakshadweep.  
**Heavy rain** very likely at isolated places over Coastal & South Interior Karnataka, Tamil Nadu & Puducherry and Kerala.  
**Heat wave** conditions very likely at some parts over Vidarbha; at one or two pockets over Rajasthan and Madhya Pradesh.  
**Dust storm/Thunderstorm** very likely at isolated places over Rajasthan.
- **23 May (Day 2): Thunderstorm** accompanied with gusty winds very likely at isolated places over East Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, South Interior Karnataka, Tamil Nadu and Kerala.  
**Heavy rain** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Tamil Nadu & Puducherry and Kerala.  
**Heat wave** conditions over some parts with severe heat wave at one or two pockets very likely over Vidarbha; Heat wave conditions at one or two pockets over Rajasthan and Madhya Pradesh.
- **24 May (Day 3): Thunderstorm** accompanied with **gusty winds** very likely at isolated places over Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, South Interior Karnataka and Kerala.  
**Heavy rain** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, South Interior Karnataka and Kerala.  
**Heat wave** conditions over some parts with severe heat wave at one or two pockets very likely over Vidarbha; Heat wave conditions at one or two pockets over Madhya Pradesh.  
**Dust storm/Thunderstorm** very likely at isolated places over Rajasthan.
- **25 May (Day 4): Heavy rain** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.  
**Heat wave** conditions over some parts with severe heat wave at one or two pockets very likely over Vidarbha.
- **26 May (Day 5): Heavy rain** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.  
**Heat wave** conditions over some parts with severe heat wave at one or two pockets very likely over Vidarbha.

## Heat Wave warning and Advisory

### Warning:

- **Heat wave conditions** very likely at some parts over Vidarbha during next 24 hours and also heat wave over some parts with **severe heat wave** at one or two pockets very likely thereafter, **Heat wave conditions** very likely at one or two pockets over and Madhya Pradesh during next 72 hours and over Rajasthan during next 48 hours.

### Advisory:

- As heat wave conditions very likely at one or two pockets / some parts 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 rain** very likely at isolated places over Coastal Karnataka during next 24 hours, over Tamil Nadu & Puducherry during next 48 hours and over South Interior Karnataka & Kerala during next 3 days. Nagaland, Manipur, Mizoram & Tripura on 23<sup>rd</sup> May and over Arunachal Pradesh and Assam & Meghalaya from 23<sup>rd</sup> to 26<sup>th</sup> May.

### Advisory:

- In view of expected heavy rain in above regions, 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 winds** very likely at isolated places over Bihar during next 24 hours and gusty winds in preceding 24 hours.
- **Thunderstorm accompanied with gusty winds** very likely at isolated places over East Madhya Pradesh, Vidarbha, Telangana, Rayalaseema, Coastal Karnataka, and Lakshadweep on 22<sup>nd</sup> May, over Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Tamil Nadu, during next 2 days, over East Uttar Pradesh, South Interior Karnataka and Kerala during next 3 days and over Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan on 24<sup>th</sup> May.
- **Dust storm/Thunderstorm** very likely at isolated places over Rajasthan on 22<sup>nd</sup> & 24<sup>th</sup> May.

## 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

#### Odisha

- In Western Undulating Zone, in summer rice maintain standing water upto 4-5 cm till dough stage. Drain water from field at maturity stage. Undertake harvesting of matured crops. As isolated rain is expected provide irrigation to sugarcane at 10 days interval at vegetative stage.

#### Gujarat

- In North Gujarat Zone, undertake land preparation for sowing of irrigated hybrid cotton and Bt. cotton. Irrigate groundnut, regularly at weekly interval. Irrigate crop at pod development stage necessarily.

#### 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.

#### Maharashtra

- In view of isolated rain / thundershowers over Vidarbha during next 24 hours and over Konkan on 25th & 26th May, keep the harvested produce in safer place.  
In view of thunderstorm with gusty winds over Vidarbha, during next 24 hours, provide mechanical support to orchards like Banana, Papaya etc and staking in vegetables.  
Heat wave conditions at some parts with severe heat wave at one or two pockets over Vidarbha during next 5 days, apply light and frequent irrigation to vegetables and orchards.  
Protect animals from heat. Keep good aeration in animal shed. 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.
- In Konkan, continue nursery bed preparation for kharif rice & ragi.
- In Madhya Maharashtra, for control of shoot borer and termites in sugarcane, soil drenching with Chlorpyrifos 20 EC @ 1 litre in 1000 liters of water per hectare may be done. Undertake ploughing, harrowing, land leveling and bunding should be done as early as possible. Undertake nursery bed preparation for *kharif* rice in western ghat regions.
- In Marathwada, undertake land preparation for kharif season. For kharif soybean select well drained and fertile loamy soil with pH range between 6.0 to 7.5, sandy loam soils having good drainage & soil pH range of 6.5 to 8.0 for jowar and light to medium soils having well drainage with soil pH range of 6.2 to 7.7 is ideal for kharif bajra.

- In Vidarbha, as heat wave conditions at some parts with severe heat wave at one or two pockets very likely over Vidarbha during next 5 days, apply light and frequent irrigation to vegetables and orchards. Continue harvesting of early varieties of rice, dry the harvested crop in sun and thresh it. Undertake ploughing fields to expose soil to solar radiation. Prepare raised nursery bed for *kharif* rice.

### Assam

- In Lower Brahmaputra Valley Zone, as moderate to heavy rainfall is predicted during next 5 days, harvesting of matured Boro rice should be postponed. Harvesting should be done under fair weather condition followed by transferring it to a safe location, Postpone planting of banana suckers until rainfall recedes.

### Jammu & Kashmir

- In Sub Tropical Zone, continue land preparation and nursery raising of early transplanted rice (Variety: IET-1410, K-39, Ratna, PC-19, Jaya). Treat seed with Carbendazim or Bavistin @2g/Kg before nursery raising.

### Punjab, Haryana & Delhi

- In Western zone of Punjab, Undertake nursery sowing of rice. Select varieties i.e. PR 127, PR 126, PR 124, PR 123, PR 122, PR 121, PR 116, PR 114, PR 115, PR 113 etc. Complete sowing of recommended hybrids of Bt cotton or desi cotton during this month.
- In Delhi, Sowing of fodder crops (gwar, maize, bajra, cluster bean) may be done during this week. Adequate moisture should be maintained for maximum germination of seeds. Sowing of cotton may be done in this week. Insure sufficient moisture before starting sowing. Undertake field preparation for sowing of pigeonpea.

### Rajasthan

- In Semi Arid Eastern Plain Zone, undertake field preparation of irrigated groundnut. (Varieties: R.G.-382, M-13, RG-141, R.G.-382). Undertake sowing of irrigated cotton in this zone (Bikaneri Nerma (190-200 days), Ganganagar Ageti (170-180 days), RST-9 (185-200 days) & RG-8 (Desi, 170-180 days) are improved varieties of cotton).