

Advisory for DD Kisan dated 27.04.18

(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 some parts of Himachal Pradesh; at isolated places over Vidarbha.
- Heat wave conditions are likely at one or two pockets over West Rajasthan and Vidarbha during next 48 hours and at some parts over Rajasthan and East Madhya Pradesh during remaining forecast period.
- Day maximum temperatures are likely to remain above 40°C over parts of West and Central India and adjoining eastern India and parts of Telangana, Rayalaseema and Interior Tamil Nadu.
- A fresh Western Disturbance is likely to cause isolated to scattered precipitation over Western Himalayan region and isolated rainfall over northern plains from today. Isolated Dust storms Thunderstorms are likely over plains of northwest India from today.
- Another Western Disturbance likely to affect Western Himalayan region from 01st May onwards.
- Heavy rain observed at isolated places over Andaman & Nicobar Islands.

Realised Rainfall

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

- Rain/thundershowers at most places over Gangetic West Bengal; at many places over Kerala; at a few places over Sub-Himalayan West Bengal, Nagaland, Manipur, Mizoram & Manipur and at isolated places over Assam & Meghalaya, Odisha, Chhattisgarh, South Interior Karnataka, Tamil Nadu & Puducherry and Andaman & Nicobar Islands.

Maximum temperature

- **Maximum temperature departures as on 26.04.2018:**
- Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Jammu & Kashmir, Himachal Pradesh and Punjab; at a few places over Haryana, Chandigarh & Delhi, West Rajasthan; above normal (1.6°C to 3.0°C) at many places over Tamil Nadu & Puducherry and Kerala; at a few places over Arunachal Pradesh, Assam & Meghalaya, Gangetic West Bengal, East Rajasthan, Madhya Pradesh, Vidarbha, Saurashtra & Kutch, North Interior Karnataka, Coastal Karnataka and Andaman & Nicobar Islands.
- **The highest maximum temperature of 45.1 °C** recorded at **Chandrapur** (Vidarbha) over the plains of the country.

Temperature Forecast:

- Maximum temperatures are very likely to fall by 2-3°C over parts of northwest India during next 2-3 days.
- No significant change in maximum temperatures over rest of the country during next 48 hours and rise by 2-3°C thereafter.

5 Day Rainfall Forecast (MID-DAY)

27-April-2018

Met-Sub-Division	27-Apr Today	28Apr Sat	29Apr Sun	30Apr Mon	01May Tue
1. Andaman & Nicobar Islands	FWS	FWS	FWS	FWS	SCT
2. Arunachal Pradesh	ISOL	SCT	FWS	WS	WS
3. Assam & Meghalaya	SCT	SCT	WS	WS	WS
4. N. M. M. & T.	SCT	SCT	WS	WS	FWS
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	WS	WS
6. Gangetic West Bengal	SCT	SCT	FWS	FWS	FWS
7. Odisha	ISOL	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	SCT	ISOL	ISOL	SCT	SCT
9. Bihar	ISOL	ISOL	SCT	SCT	SCT
10. East Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
11. West Uttar Pradesh	ISOL	ISOL	DRY	ISOL	ISOL
12. Uttarakhand	SCT	ISOL	ISOL	ISOL	SCT
13. Haryana, Chd & Delhi	ISOL	DRY	DRY	DRY	DRY
14. Punjab	ISOL	DRY	DRY	DRY	ISOL
15. Himachal Pradesh	ISOL	ISOL	ISOL	ISOL	SCT
16. Jammu & Kashmir	ISOL	ISOL	ISOL	ISOL	SCT
17. West Rajsthan	DRY	DRY	DRY	DRY	ISOL
18. East Rajasthan	DRY	DRY	DRY	DRY	ISOL
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	ISOL	ISOL	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	DRY	DRY	DRY	DRY	DRY
24. Madhya Maharashtra	DRY	DRY	DRY	DRY	DRY
25. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	DRY	DRY	DRY
28. Coastal Andhra Pradesh	ISOL	ISOL	DRY	ISOL	ISOL
29. Telangana	ISOL	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	ISOL	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	SCT	ISOL	ISOL	ISOL	ISOL
35. Kerala	SCT	SCT	SCT	SCT	SCT
36. Lakshadweep	ISOL	ISOL	DRY	ISOL	ISOL

% Station Reporting Rainfall

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

Weather Warning

- **27 April (Day 1):** Thunderstorm accompanied with squall and hail very likely at isolated places over Sub-Himalayan West Bengal & Sikkim.
Thunderstorm accompanied with squall very likely at isolated places over Uttarakhand, Jharkhand, Gangetic West Bengal, Arunachal Pradesh and Assam & Meghalaya.
Thunderstorm accompanied with gusty winds very likely at isolated places over East Uttar Pradesh, Bihar, Odisha, Nagaland, Manipur, Mizoram & Tripura, Telangana and South Interior Karnataka.
Duststorm/thunderstorm very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.
Heat wave conditions very likely to prevail some places over Himachal Pradesh; in one or two pockets over Jammu & Kashmir, Uttar Pradesh, Rajasthan and Vidarbha.
Heavy rain very likely at isolated places over Andaman & Nicobar Islands, Tamil Nadu & Puducherry and Kerala.
- **28 April (Day 2):** Thunderstorm accompanied with squall very likely at isolated places over Uttarakhand, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
Thunderstorm accompanied with gusty winds very likely at isolated places over East Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, South Interior Karnataka, Tamil Nadu & Puducherry and Kerala.
Duststorm/thunderstorm very likely at isolated places over West Uttar Pradesh.
Heat wave conditions very likely to prevail in some places over Rajasthan; in one or two pockets over Vidarbha.
Heavy rain very likely at isolated places over Andaman & Nicobar Islands.
- **29 April (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 East Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim and Odisha.
Heat wave conditions very likely to prevail in some places over Rajasthan and Vidarbha; in one or two pockets over West Madhya Pradesh.
Heavy rain very likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **30 April (Day 4):** Thunderstorm accompanied with squall likely at isolated places over Bihar, Jharkhand and Gangetic West Bengal.
Heat wave conditions likely to prevail some places over Rajasthan, East Madhya Pradesh and Vidarbha; in one or two pockets over West Madhya Pradesh.
Heavy rain likely at isolated places over West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **01 May (Day 5):** Thunderstorm accompanied with squall likely at isolated places over Bihar and Jharkhand.
- Heat wave conditions likely to prevail some places over Rajasthan, East Madhya Pradesh and Vidarbha; in one or two pockets over West Madhya Pradesh.
- Heavy rain likely at isolated places over West Bengal & Sikkim and Assam & Meghalaya.

Heat Wave warning and Advisory

Warning:

- Heat wave conditions very likely to prevail some places over Himachal Pradesh; in one or two pockets over Jammu & Kashmir, Uttar Pradesh during next 24 hours.
- Heat wave conditions very likely to prevail in one or two pockets over Rajasthan during next 24 hours and over Vidarbha during next 48 hours and in some places thereafter.
- Heat wave conditions likely to prevail some places over East Madhya Pradesh on 30th April & 1st May and in one or two pockets over West Madhya Pradesh during 29th April to 1st May.

Advisory:

- In view of expected heat wave conditions in above regions, apply light and frequent irrigation in standing crops to cope up with the excess evaporative demand due to high temperature.
- Mulch orchard with straw/polythene to conserve soil moisture
- As temperature is increasing, provide sufficient clean drinking water to animals. Provide gunny bag covering outside cowshed and sprinkle water. Avoid grazing of animals during the peak period of the day i.e. 11.00 AM to 3.00 PM.

Heavy Rainfall warning and Advisory

Warning:

- Heavy rain very likely at isolated places over Tamil Nadu & Puducherry and Kerala during next 24 hours, over Andaman & Nicobar Islands during next 72 hours, over Assam & Meghalaya during 29th April to 1st May, over Nagaland, Manipur, Mizoram & Tripura on 29th & 30th April and over West Bengal & Sikkim on 30th April & 1st May.

Advisory:

- In view of expected rain with isolated heavy rain in above region, provide adequate drainage in standing crops to avoid water stagnation. Avoid sowing of summer crops during heavy spells of rain. Postpone application of fertilizers and plant protection measures.

Thunderstorm accompanied with hail/ squall/ gusty winds

Warning:

- Thunderstorm accompanied with squall and hail very likely at isolated places over Sub-Himalayan West Bengal & Sikkim during next 24 hours.
- Thunderstorm accompanied with squall /gusty winds very likely at isolated places over Uttarakhand, Arunachal Pradesh and Assam & Meghalaya. East Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, Telangana and South Interior Karnataka, Tamil Nadu & Puducherry and Kerala during next 48 hours.
- Thunderstorm accompanied with squall /gusty winds very likely at isolated places over Odisha Bihar and Jharkhand during next 3-5 days.
- Duststorm/thunderstorm very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi during next 24 hours and over West Uttar Pradesh during next 48 hours.

Advisory:

- In view of expected thunderstorm accompanied with squall / gusty winds in 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 chemical spraying/dusting during the period.
- In view of thunderstorm accompanied with squall and hail over Sub-Himalayan West Bengal & Sikkim, make arrangement for hailnet or hailcaps in orchards to protect orchard fruits and fruit vegetables like tomato from damage due to hail. Harvest matured fruits and fruit vegetables as early as possible.

Agromet Advisories for summer crops from different AMFUs in the country

State-wise Advisories

Punjab, Haryana & Delhi

- In Western Zone of Punjab, continue sowing of Bt cotton and desi cotton. Complete harvesting of wheat. Apply irrigation in vegetables and orchards.
- In Western Plain Zone of Punjab, continue land preparation for sowing of cotton. Apply irrigation in sunflower and sugarcane. Undertake harvesting of matured vegetables.
- In Central Plain Zone of Punjab, undertake weeding and hoeing in moong.
- In Sub-Montane Undulating Zone, undertake harvesting of matured vegetables. Apply straw mulch in between sugarcane crop rows at the rate of 20-25 quintal per acre to reduce soil temperature and conserve soil moisture.
- In Western Zone of Haryana, undertake land preparation and sowing of cotton. Apply irrigation in sugarcane, orchard and vegetable crops.
- In Delhi, undertake field preparation for sowing of pigeonpea and cotton. Undertake harvesting of matured vegetables. Apply light irrigation in matured onion and garlic crops one week before digging.

Uttar Pradesh

- In Eastern Plain Zone, undertake deep ploughing in vacant fields. Apply irrigation in vegetables.
- In Western Plain Zone, undertake deep ploughing of vacant fields. Undertake harvesting of matured vegetables. Undertake field preparation for sowing of pigeonpea and cotton.
- In Varanasi district of Central Plain Zone, continue intercultural operations in cucurbit crops and sugarcane. Continue sowing of okra. In Kanpur, apply irrigation in moong and urad. Undertake harvesting of matured vegetables.

Rajasthan

- In Flood Prone Eastern Plain Zone, apply light and frequent irrigation in vegetable and fruit crops. Continue deep ploughing of field to destroy soil borne pests.
- In Sub Humid Southern Plain and Aravalli Hill Zone, apply irrigation in summer groundnut and vegetables.

- In Irrigated North Western Plain Zone, apply irrigation in sugarcane and moong. Continue sowing of cotton.
- In Bikaner district of Arid Western Plain Zone, continue land preparation for sowing of cotton in Jodhpur district.

Odisha

- In Eastern Ghat High Land Zone, maintain water level up to 5cm summer rice crop at panicle initiation stage. During fruiting stage of mango, spray Naphthalene Acetic Acid (NAA) 40 mg to decrease fruit dropping. Increased temperature may favour the egg laying of stem borer in rice in main field. To attract butterflies, install Pheromone Traps@ 4/acre, collect adults and destroy them by burning or by burying them under soil.
- In Northeastern Coastal Plain Zone, in rice maintain water depth upto the base of the crop followed by weeding when the crop is around 3-4 leaf stage.

Bihar

- In North West Alluvial Plain Zone, continue sowing of summer maize varieties such as Suwan, Deoki, Ganga 11, Shaktiman-1, 2, 3, 4. Continue sowing of green gram and black gram. Undertake sowing of vegetables like lady's finger, pumpkin, cucumber, sponge gourd etc.
- In North East Alluvial Zone, continue sowing of summer vegetables such as okra, pumpkin, cucumber, sponge gourd ridge gourd and bitter gourd.

Jharkhand

- In Western Plateau Zone, undertake intercultural operations in summer moong. Maintain optimum water level in rice fields. Undertake planting of ginger and elephant foot yam.
- In South Eastern Plateau Zone, continue sowing of summer green gram to utilize available soil moisture. Select improved variety SML- 668 at a seed rate of 12 kg per acre.

West Bengal

- In the New Alluvial Zone, prepare land for planting jute. Provide mulching to cucumber crop. Carry out harvesting of matured tomato, onion and garlic crops. In mango orchard, to prevent shedding of new fruits due to high temperature apply irrigation and spray NAA@ 5ml/10 litres of water
- In the Coastal saline Zone, continue harvesting of matured sunflower heads after current spells of rain.
- In the Laterite and Red Soil Zone, carry out harvesting of matured Boro rice in clear weather and keep harvested produce in safer place.
- In the Terai Zone, maintain 3-4 cm of water level in Boro rice field.

Kerala

- In the Problem Area Zone, provide shade to pepper and vegetable crops. Continue planting of coconut seedlings.
- In the High Altitude Zone, undertake planting of vegetables like Bhindi, Bitter gourd, Amaranthus, etc.
- In the Central Zone, undertake planting of bitter gourd and amaranthus if irrigation facility is available.
- In the Southern Zone, undertake planting of 2-3 month old banana suckers.

Andhra Pradesh

- In the Krishna Godavari Zone, maintain 5 cm water from grain hardening to maturity stage in rice field. Continue harvesting of sorghum and rice-fallow maize crops.
- In the Scarce Rainfall Zone, for the control of leaf folder/stem borer in rice, spray Chlorpyrifos @ 2.5 ml/litre of water.

Tamil Nadu

- In the Cauvery Delta Zone, continue harvesting of rice fallow black gram. Carry out sowing of black gram in Chitrai Pattam under summer irrigated conditions.
- In the South Zone, undertake harvesting of matured rice.
- In the North Western Zone, to prevent heat stress in tomato undertake sowing agathi or chithagathi or castor seed in ridges and around the tomato field at 5 – 6 feet spacing.
- In the Western Zone, provide staking to five months or older banana plants. Irrigate coconut and banana plantations according to the soil moisture.

Karnataka

- In Eastern Dry Zone, keep inputs ready for sowing of cowpea (TVX-944, KBC-1), sesamum (Navile-1, T-7), field bean (HA 1, 2, 3, 4), green gram (PS-16, PDM-84,178) and black gram (Karagao-3, T-9, Rashmi (LBG-625)) and groundnut (TMV-2, JL-24, KCG-6).
- In Southern Transition Zone, continue deep ploughing in fields where rain is received. Undertake sowing of ginger and turmeric.

Maharashtra

- In view of prevailing heat wave conditions over Vidarbha and very likely in one or two pockets during next 48 hours and at some places thereafter, apply light and frequent irrigation to summer crops, vegetables and orchards. Protect the animals from heat. Keep good aeration in animal shed. For protection of poultry birds from heat, hang curtains around the poultry shed and sprinkle it with water. Apply layer of grass or gunny bags on the roof of poultry shed and sprinkle water on it. Provide fresh and cool drinking water for the poultry birds and chicks.
- In Konkan, undertake nursery bed preparation for *kharif* rice in harvested fields.
- In Madhya Maharashtra, continue harvesting of matured groundnut in Kolhapur region. Due to rise in temperature, to control pre-mature fruit drop of mango, apply irrigation to mango orchards at an interval of 10 to 15 days.
- In Marathwada, undertake harvesting of matured groundnut. Apply irrigation by drip irrigation method to sugarcane during early morning or evening hours. Also apply irrigation to summer maize, vegetables and mango orchard. Also apply mulch to preserve soil moisture.
- In Vidarbha, heat wave condition in one or two pockets/some places is expected during next 5 days, apply light and frequent irrigation to summer crops, vegetables and orchards. To control brown plant hopper in rice, spray Imidacloprid 17 SL @ 2.2 ml or Thiamethoxom 25 WG @ 2g per 10 litres of water.