

Advisory for DD Kisan dated 13.04.18

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

Significant Weather Features

- Enhanced rain/thundershowers and squally weather is very likely to prevail over Comorin-Maldives-Lakshadweep areas and southernmost peninsular India (Kerala, Ghat areas of Tamil Nadu and adjoining Karnataka) during next 48 hours.
- Northeastern India is likely to experience scattered to fairly widespread precipitation during next 5 days. Isolated thunder squalls are likely over these regions during next 48 hours. Heavy rains are likely over Arunachal Pradesh and Assam & Meghalaya during next 24 hours. Isolated thunderstorm activity likely to continue over parts of East & peninsular India during next 2 days.
- A fresh Western Disturbance is likely to cause fairly widespread precipitation and thunder squalls over Western Himalayan region on 16th April.
- Due to prevalence of northwesterly/westerly flow, significant reduction in thunderstorm activity and rise in day temperatures by 2-3°C likely over Northwest and West India from today onwards.
- Thunderstorm observed at many places over Gangetic West Bengal; at a few places over Sub-Himalayan West Bengal & Sikkim and at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Himachal Pradesh, Odisha, Madhya Pradesh, Saurashtra & Kutch, Chhattisgarh, Coastal Andhra Pradesh, Kerala and Tamil Nadu from 1130 hours IST of yesterday to 0830 hours IST of today.
- Heavy rain observed at isolated places over West Bengal, Assam & Meghalaya and Tamil Nadu at 0830 hours IST of today.

Realised Rainfall

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

- Rain / thundershowers at most places over Arunachal Pradesh, Assam & Meghalaya Nagaland, Manipur, Mizoram & Tripura and West Bengal & Sikkim; at a few places over Madhya Pradesh, Chhattisgarh and Kerala and at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Bihar, Jharkhand, Odisha, Tamil Nadu & Puducherry, Interior Karnataka and Andaman & Nicobar Islands.

Maximum temperature

- **Maximum temperature departures as on 12.04.2018:**
- Maximum temperatures were above normal (1.6°C to 3.0°C) at a few places over Konkan & Goa; at isolated places over Saurashtra & Kutch and Coastal Karnataka.
- **The highest maximum temperature of 41.3°C** was recorded at **Chandrapur** (Vidarbha) over the plains of the country.

Temperature Forecast:

- Maximum temperatures are likely to rise by 2-3°C over West and Northwest India during next 2-3 days.
- No significant change in maximum temperatures likely over Central and East India during next 48 hours and rise by 2-3°C thereafter.
- No significant change in maximum temperatures likely over rest of the country during next 3 days.

5 Day Rainfall Forecast (Mid-day)

13th April 2018

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

% Station Reporting Rainfall

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

Weather Warning

- **13 April (Day 1):** Heavy rain very likely at isolated places over Assam & Meghalaya, Arunachal Pradesh, Kerala and Tamil Nadu.
Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Kerala and Tamil Nadu.
Thunderstorm accompanied with gusty winds very likely at isolated places over Jharkhand, Gangetic West Bengal, Odisha, Coastal & South Interior Karnataka, Coastal Andhra Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh and Lakshadweep.
Squally weather with wind speed occasionally reaching 40-50 kmph very likely to prevail over Comorin Maldives area. Fishermen are advised not to venture into these areas.
- **14 April (Day 2):** Heavy rain very likely at isolated places over Kerala.
Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura Kerala and Lakshadweep.
Thunderstorm accompanied with gusty winds very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Coastal & South Interior Karnataka, Coastal Andhra Pradesh, Rayalaseema and Tamil Nadu.
Squally weather with wind speed occasionally reaching 40-50 kmph very likely to prevail over Maldives-Lakshadweep area. Fishermen are advised not to venture into these areas.
- **15 April (Day 3):** Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya.
Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha and North Interior Karnataka.
- **16 April (Day 4):** Thunderstorm accompanied with squall and Hail likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
Thunderstorm accompanied with squall likely at isolated places over Uttarakhand.
Thunderstorm accompanied with gusty winds likely at isolated places over North Interior Karnataka.
- **17 April (Day 5):** No weather warning.

Heavy Rainfall warning and Advisory

Warning:

- Heavy rain very likely at isolated places over Kerala during next 48 hours, over Assam & Meghalaya, Arunachal Pradesh, and Tamil Nadu during next 24 hours.

Advisory:

- In view of expected rain with isolated heavy rain in above regions, postpone irrigation, application of fertilizers and plant protection methods to standing crops. Provide adequate drainage in standing crops to avoid water stagnation. Avoid sowing of summer crops during heavy spells of rain.

Thunderstorm accompanied with hail/ squall/ gusty winds

Warning:

- Thunderstorm accompanied with squall and Hail likely at isolated places over Jammu & Kashmir and Himachal Pradesh on 16th April.
- Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya during next 3 days over Nagaland, Manipur, Mizoram & Tripura, Kerala during next 48 hours, over Sub-Himalayan West Bengal & Sikkim, and Tamil Nadu during next 24 hours, over Lakshadweep on 14th April, over Uttarakhand on 16th April.
Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha during next 3 days, over Coastal & South Interior Karnataka, Coastal Andhra Pradesh, during next 48 hours, over Jharkhand, Gangetic West Bengal, Coastal Interior Karnataka, East Madhya Pradesh, Vidarbha, Chhattisgarh and Lakshadweep during next 24 hours, over Sub-Himalayan West Bengal & Sikkim, Odisha, Rayalaseema and Tamil Nadu on 14th April .
- Squally weather with wind speed occasionally reaching 40-50 kmph very likely to prevail over Comorin Maldives area on 13th April, over Maldives-Lakshadweep area on 14th April.

Advisory:

- As squally weather with wind speed occasionally reaching 40-50kmph very likely to prevail over **Comorin Maldives** area on 13th April and over **Maldives Lakshadweep** area on 14th April, fishermen are advised not to venture into these areas.
- In view of thunderstorm accompanied with squall and hail in Jammu & Kashmir and Himachal Pradesh, 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.
- 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.

Agromet Advisories for summer crops from different AMFUs in the country

State-wise Advisories

Jammu & Kashmir

- In Cold Arid continue preparation of trenches and polyhouses for raising seedlings of vegetables Zone. Continue sowing of cucurbit seeds in poly bags for early nursery raising inside polyhouses. In Intermediate Zone, continue transplanting of cucurbits and vegetables. Continue planting of orchards.
- Continue sowing of seeds of vegetables in open nursery and in poly house in Valley Temperate Zone. Continue sowing of cucurbit seeds in polybags for early nursery raising inside polyhouse.

Uttarakhand

- In Sub Humid Sub Tropic Zone, continue harvesting of matured crop of barley, pea, gram, lentil, mustard and linseed, etc. in clear weather. Continue sowing of urad and moong in clear weather. Undertake harvesting of chilli and brinjal.
- In mid and high hills of Bhabar and Tarai Zone, continue sowing of barnyard millet and French bean. Continue transplanting of brinjal, chilli and capsicum in valley. Undertake plucking of green pods of pea.
- Continue sowing of French bean and okra in Hill Zone. Continue transplanting of brinjal, tomato, capsicum etc.

Himachal Pradesh

- In Sub-Montane and Low Hill SubTropical Zone, continue sowing of sunflower in low and mid-hill areas. Continue sowing of green gram and black gram.
- Continue nursery sowing of vegetables like chilli, tomato, capsicum and sowing of bhindi, gourd etc. in Mid Hills Sub Humid Zone.
- For control of downy mildew in garlic, spray Diathane M 45 2.5 g or Bavistine 1 g per litre of water after current spells of rain in Sub-Montane and Low Hill Tropical Zone.

Punjab, Haryana & Delhi

- In Western Plain Zone of Punjab, complete sowing of matured mustard, summer moong and mash. Undertake planting of cotton (F2228, LH 2108 & LH 2076 or Bt hybrids like RCH 650 BG II, NCS 855 BG II and Ankur 3028 BG II or non-Bt hybrids- LHH 144). Undertake harvesting of matured wheat.
- In Undulating Plain Zone of Punjab, continue planting of sugarcane. Complete sowing of summer Mash and moong.
- In Western Zone of Haryana, continue harvesting of late sown mustard. Continue sowing of green gram, black gram and planting of sugarcane.
- In Delhi, in present weather condition, harvesting of timely sown wheat crop is advised. Farmers are advised to start sowing of green gram (Variety: - Pusa Visal, Pusa Ratna, Pusa 5931, Pusa Baisakhi, PDM-11, SML-32, SML-668, Samrat).

Uttar Pradesh

- In Allahabad district of Central Plain Zone, continue harvesting of matured mustard. Continue sowing of green gram and black gram.
- Continue sowing of okra and cucurbits in Eastern Plain Zone. Complete harvesting of matured mustard and pea.
- In Varanasi district of Central Plain Zone, continue intercultural operations in cucurbit crops. Continue planting of spring sugarcane, sowing of okra. In Kanpur district, undertake sowing of green gram. Continue transplanting of vegetables like tomato and chilli. Complete sowing of maize and black gram. Apply irrigation in wheat at milk stage. Undertake harvesting of matured gram.

Odisha

- Continue harvesting of matured crops of green gram and black gram during clear weather in Mid Central Table Land Zone.
- In North Eastern Ghat Zone, continue sowing of summer cowpea.
- In West Central Table Land Zone, due to increase in temperature, there are chances of stem borer attack in paddy, apply Friponil /Triazophos @ 2 ml/liter of water if pest population is beyond ETL of the pest.

Bihar

- In South Bihar Alluvial Zone, farmers are advised to harvest and thresh matured lentil, wheat and lathyrus crops.
- In North West Alluvial Plain Zone, continue the sowing of summer maize varieties (Suwan, Deoki, Ganga 11, Shaktiman-1, 2, 3, 4.) Continue sowing of green gram and black gram.
- 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, complete harvesting of wheat crop and keep it at safer places. Undertake intercultural operations in summer moong. Maintain the water level in transplanted rice and broadcast urea after 25-30 days of transplanting.
- In South Eastern Plateau Zone, continue harvesting of matured chickpea, lentil and pigeon pea in clear weather. Keep it at safe places.

West Bengal

- As rain/thundershowers would occur at many places over Sub-Himalayan West Bengal & Sikkim on 13th, 16th & 17th April, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Keep harvested mustard and lentil crops at safer places.
- In the New Alluvial Zone, prepare seed bed for planting jute. Undertake sowing of green gram.
- In the Coastal saline Zone, undertake immediate harvesting of early transplanted Boro paddy @ 80% of maturity to avoid shattering due to Norwesters.
- In the Terai Zone, keep 345 cm of water level in Boro paddy field. Do not irrigate rice field as light rainfall has been forecast. Undertake sowing of jute.

Assam & Meghalaya

- In Meghalaya, continue sowing of cucurbits like cucumber, pumpkin, bottle gourd, ash gourd, squash, French bean and cowpea.
- In Lower Brahmaputra Valley Zone of Assam, undertake land preparation and sowing of Bao rice (Kekua Bao, Negheri Bao, Maguri, Panikekua, Panindra, Padmanath, etc).
- In Upper Brahmaputra Valley Zone, complete the sowing of Bao rice (deep water) seeds (varieties - Maguri, Panikekua, Amona, Negheri etc.) in the main field.
- In the Hill Zone of Assam, continue sowing of Early Ahu rice (direct seeded) with dwarf varieties (Luit, Kapilee, IR-36, Kalinga 3 etc.) and tall varieties (Baghlami, Rangadoria, Ahujaha, Kolamanik, etc.).

- In the North Bank Plain Zone, continue land preparation/sowing of Bau rice (varieties Maguri, Panikekua, Amona, Negheri etc.). Continue sowing of okra (varieties Pusa Sawani, ArkaAnamika, Parbhdani Kranti etc.). Continue land preparation/sowing of direct seeded Ahu rice (varieties Banglami, Rangadoria, Ahu joha, Rasi etc.).

Maharashtra

- As thunderstorm accompanied with gusty wind very likely at isolated places over Vidarbha on 13th April, provide support to banana, papaya, young fruit plants and vegetables to avoid lodging. Undertake propping up in sugarcane.
- In Konkan, continue harvesting of early maturing rice and groundnut.
- In Madhya Maharashtra, undertake harvesting of matured groundnut and cashew nut.
- In Vidarbha, under the prevailing weather condition, apply irrigation to summer crops (groundnut, sesame, greengram etc) at 6 to 8 days interval. Apply irrigation to summer moong at interval of 6-9 days and sesame at interval of 6-8 days.

Andhra Pradesh

- In the North Coastal Zone, harvest sugarcane crop to ground level. Ratoon immediately after harvesting.
- In the Southern Zone, undertake sowing of groundnut crop after seed treatment with Imidachloprid 600 F.S. @ 2 ml + 4 ml water per kg of seeds.
- In the Scarce Rainfall Zone, for the control of leaf folder/stem borer in rice crop spray Chloropyriphos @ 2.5 ml/litre for control.
- In the Krishna Godavari Zone, spray Monocrotophos @ 320 ml or Dimethoate @ 400 ml/acre for aphids, jassids and thrips in sesame crop at vegetative stage.