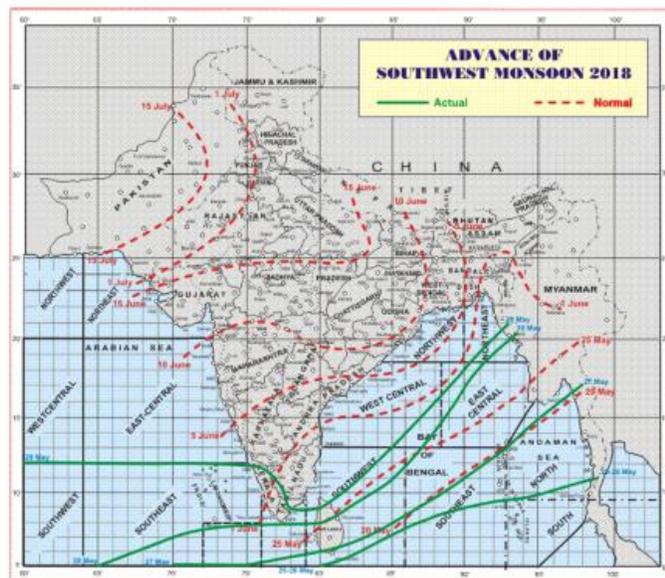


Advisory for DD Kisan dated 29.05.18

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

Advance of Southwest Monsoon

- Southwest Monsoon has further advanced remaining parts of Southeast Arabian Sea, Comorin - Maldives area, entire Lakshadweep, most parts of Kerala, some parts of Tamil Nadu and some more parts of southwest, central & northeast Bay of Bengal. **Thus the southwest monsoon has set in over Kerala, today the 29th May, 2018.**
- The Northern Limit of Monsoon (NLM) passes through Lat. 12°N/ Long. 60°E, Lat. 12°N/ Long. 65°E, Lat. 12°N/ Long. 70°E, Kannur, Coimbatore, Kodaikanal, Tuticorin, Lat. 09°N/ Long. 80°E, Lat. 13°N/ Long. 85°E, Lat. 18°N/ Long 90°E and Lat.21°N/ Long. 93°E.
- Conditions are favourable for further advance of Southwest Monsoon into some parts of central Arabian Sea, remaining parts of Kerala; some parts of coastal & south interior Karnataka, some more parts of eastcentral & northeast Bay of Bengal and some parts of northeastern states during next 48 hours.



Significant Weather Features

- Yesterday, heat wave conditions observed at most parts over West Rajasthan; many parts over East Rajasthan & Madhya Pradesh and at one or two pockets over Haryana, Chandigarh & Delhi, Vidarbha and south Uttar Pradesh.
- Heat wave conditions are very likely to abate gradually from more parts of northwest India and central India from today, in view of the likely setting in of easterly winds over the northern plains.

Realised Rainfall

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

- Rain/thundershowers observed at most places over Andaman & Nicobar Islands, Kerala, Lakshadweep, Coastal Karnataka, Bihar, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Arunachal Pradesh; at many places over Nagaland, Manipur, Mizoram & Tripura, Tamilnadu & Puducherry, Interior Karnataka and Jammu & Kashmir and isolated places over Madhya Maharashtra, Konkan & Goa, Marathwada, East Uttar Pradesh, Odisha, Jharkhand and Gangetic West Bengal.

Maximum temperature

- **Maximum temperature departures as on 28.05.2018:**
Maximum temperatures were markedly above normal (5.1°C or More) at isolated places over East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch and Vidarbha; appreciably above normal (3.1°C to 5.0°C) at most places over West Rajasthan & Punjab; at many places over Himachal Pradesh & East Madhya Pradesh; at a few places over Gujarat region and at isolated places over Madhya Maharashtra & Marathawada; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi; at many places over Jammu & Kashmir & Uttarakhand and at isolated places over Telangana & Rayalaseema.
- The **highest maximum temperature** of **48.6°C** was recorded at **Khajuraho** (East Madhya Pradesh) over plains of the country

Temperature Forecast:

- Day maximum temperatures very likely to continue in the range of 42-45° C over most parts of Rajasthan and Madhya Pradesh and fall by 1-2° C over remaining parts of central, northwest and north India during next 2 days.

5 Day Rainfall Forecast (Mid-day)

29th May 2018

Met-Sub-Division	29-May Today	30May Wed	31May Thu	01Jun Fri	02Jun Sat
1. Andaman & Nicobar Islands	WS	WS	FWS	FWS	FWS
2. Arunachal Pradesh	FWS	FWS	FWS	WS	WS
3. Assam & Meghalaya	WS	WS	FWS	FWS	FWS
4. N. M. M. & T.	SCT	FWS	WS	WS	WS
5. S.H. West Bengal & Sikkim	FWS	FWS	WS	WS	WS
6. Gangetic West Bengal	SCT	SCT	FWS	SCT	SCT
7. Odisha	ISOL	ISOL	SCT	FWS	SCT
8. Jharkhand	SCT	ISOL	FWS	SCT	SCT
9. Bihar	SCT	SCT	SCT	SCT	SCT
10. East Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	ISOL	SCT	SCT	SCT	SCT
13. Haryana, Chd & Delhi	DRY	ISOL	DRY	DRY	DRY
14. Punjab	DRY	ISOL	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
16. Jammu & Kashmir	ISOL	DRY	ISOL	ISOL	DRY
17. West Rajasthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	ISOL	DRY	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
21. Gujarat Region	DRY	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	DRY	DRY	ISOL	ISOL	ISOL
23. Konkan & Goa	SCT	ISOL	ISOL	SCT	SCT
24. Madhya Maharashtra	ISOL	ISOL	ISOL	ISOL	ISOL
25. Marathwada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	DRY	DRY	ISOL	ISOL	ISOL
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	SCT	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	SCT	ISOL	ISOL	SCT	SCT
32. Coastal Karnataka	WS	WS	FWS	FWS	FWS
33. North Interior Karnataka	ISOL	ISOL	SCT	FWS	FWS
34. South Interior Karnataka	FWS	FWS	SCT	SCT	SCT
35. Kerala	WS	WS	FWS	FWS	FWS
36. Lakshadweep	WS	WS	FWS	FWS	FWS

% 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

- **29 May (Day 1):** Heat wave conditions are very likely to occur at many parts of West Rajasthan; some parts of East Rajasthan and Madhya Pradesh and at one or two pockets over Haryana, Chandigarh & Delhi, Vidarbha.

Heavy to very heavy rain at isolated places very likely over Kerala and Coastal Karnataka; Heavy rain at isolated places over South Interior Karnataka, Lakshadweep and Andaman & Nicobar Islands.

Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh, Rayalaseema, North Interior Karnataka and Tamil Nadu.

Squally wind speed reaching 40-50 Kmph gusting to 60 Kmph very likely along & off Kerala and Karnataka and south Maharashtra, Goa , Odisha & West Bengal Coasts, over and around Lakshadweep area and Andaman & Nicobar Islands, eastcentral & northeast Bay of Bengal. Sea conditions are likely to be rough to very rough over these areas. Fishermen are advised not to venture into the sea over these areas.

- **30 May (Day 2):** Heat wave conditions are very likely to occur at some parts of West Rajasthan and at one or two pockets over East Rajasthan and Madhya Pradesh.

Heavy to very heavy rain at isolated places very likely over Coastal Karnataka Heavy rain at isolated places over South Interior Karnataka, Kerala, Lakshadweep, Andaman & Nicobar Islands and Nagaland, Manipur, Mizoram & Tripura.

Thunderstorm accompanied with squall very likely at isolated places over Uttar Pradesh.

Thunderstorm accompanied with gusty winds very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh, & Delhi, Bihar and Sub-Himalayan West Bengal & Sikkim.

Squally wind speed reaching 40-50 Kmph gusting to 60 Kmph very likely along & off Kerala and Karnataka and south Maharashtra, Goa, Odisha & West Bengal Coasts, over and around Lakshadweep area. Sea conditions are likely to be rough to very rough over these areas. Fishermen are advised not to venture into the sea over these areas.

- **31 May (Day 3):** Heat wave conditions are very likely to occur at one or two pockets over West Rajasthan and Madhya Pradesh.

Heavy rain very likely at isolated places over Coastal Karnataka, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

Thunderstorm accompanied with squall very likely at isolated places over Uttar Pradesh, Gangetic West Bengal and Jharkhand.

Thunderstorm accompanied with gusty winds very likely at isolated places over Uttarakhand, Bihar and Odisha.

- **01 June (Day 4):** Heavy rain very likely at isolated places over Kerala, Coastal Karnataka and Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh, Jharkhand, Gangetic West Bengal and Odisha.

- **02 June (Day 5):** Heavy rain very likely at isolated places over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya.

Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh.

Salient Advisories

- Utilizing the pre monsoon showers, continue nursery bed preparation for *kharif* rice and ragi in **South Konkan** and land preparation nursery sowing for *Sali* rice in **Assam**. Continue nursery preparation for rice (Viruppu rice) in **Kerala** after current spells of heavy rain.

Thunderstorm accompanied with Squally winds/ gusty winds

- Thunderstorm accompanied with squall very likely at isolated places over Uttar Pradesh on 30th and 31st May, over Gangetic West Bengal and Jharkhand on 31st May.
- Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh during next 24 hours and on 1st and 2nd June, over East Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh, Rayalaseema, North Interior Karnataka and Tamil Nadu during next 24 hours, over Himachal Pradesh, Punjab, Haryana, Chandigarh, & Delhi, and Sub-Himalayan West Bengal & Sikkim on 30th May, over Uttarakhand and Bihar on 30th and 31st, over Odisha on 31st May and 1st June and over Jharkhand, Gangetic West Bengal on 1st June.
- In view of expected thunderstorm accompanied with squall / gusty winds in above regions, provide support to young fruit plants and vegetables and propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safe places.

Heat Wave warning and Advisory

Warning:

- **Heat wave conditions** are very likely to occur at many parts of West Rajasthan during next 24 hours, at some places on 29th and at one or two pockets on 31st May; at some parts of East Rajasthan on 29th & at one or two pockets on 30th May, at some parts of Madhya Pradesh on 29th and at one or two pockets on 30th and 31st May.
- **Heat wave conditions** are very likely to occur at one or two pockets in Haryana, Chandigarh & Delhi, Vidarbha during next 24 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 to very heavy rain at isolated places very likely over Coastal Karnataka during next 48 hours and heavy rain on 31st May and 1st June.
- Heavy to very heavy rain at isolated places very likely over Kerala during next 24 hours and heavy rain on 30th May and 1st June

- Heavy rain at isolated places over South Interior Karnataka, Lakshadweep and Andaman & Nicobar Islands during next 48 hours, over Nagaland, Manipur, Mizoram & Tripura on 30th, 31st May and 1st June, over Assam & Meghalaya from 31st May to 2nd June, over Sub-Himalayan West Bengal & Sikkim on 1st and 2nd June.

Advisory:

- In view of expected isolated heavy /very 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.
- Continue nursery preparation for rice (Viruppu rice) in Kerala after current spells of heavy rain.

Warning and Advisory for fishermen

- Squally wind speed reaching 40-50 Kmph gusting to 60 Kmph very likely along & off Kerala and Karnataka and south Maharashtra, Goa, Odisha & West Bengal Coasts, over and around Lakshadweep area during next 48 hours and over Andaman & Nicobar Islands, eastcentral & northeast Bay of Bengal during next 24 hours.
- Sea conditions are likely to be rough to very rough over these areas. Fishermen are advised not to venture into the sea over these areas.

Agromet Advisories for summer crops from different AMFUs in the country

Sate-wise Advisories

Jammu & Kashmir

- Continue nursery raising of early transplanted rice (var. IET-1410, K-39, Ratna, PC-19, Jaya). Complete sowing of maize, okra, French bean.
- In Valley Temperate Zone, undertake sowing of *kharif* pulses in this week. Covered rice nursery with shade net to avoid desiccation under bright sunlight especially on southern slopes.

Punjab, Haryana & Delhi

- In Punjab, complete sowing of Bt. cotton and desi cotton by end of May. Continue harvesting of matured vegetables. Undertake nursery sowing of rice (varieties i.e. PR 126, PR 124, PR 123, PR 122, PR 121, PR 116, PR 114, PR 115, PR 113). Apply irrigation in sugarcane, maize, moong, mash, vegetables and orchards.
- In Delhi, keeping in view of high temperature apply frequent irrigation in vegetables, nurseries of vegetables, fodder crops and orchards. Continue field preparation for sowing of pigeon pea. Undertake sowing of cotton. Continue harvesting of matured vegetables.

Rajasthan

- In Arid Western Plain Zone, undertake sowing of American cotton with 65-70 cm row to row and 20-25 cm plant to plant spacing.
- In Flood Prone Eastern Plain Zone, spray Dimethoate 30EC @800 ml / ha in 800 litres water to control thrips, jassids and white fly in zaid moong.

Bihar

- In South Bihar Alluvial Zone, in view of increasing temperature apply light irrigation to vegetable and standing crops. Irrigation should be done in the morning hours or evening hours. Undertake planting of turmeric, ginger and ole (Elephant plant), if soil moisture content is sufficient in field. Monitor chilli against attack of thrips, white fly and mites, if attack of insects are severe spray Malathion 50 E.C. @ 2 ml per litre of water.
- Undertake land preparation for sowing of long duration rice seeds in nursery. Apply irrigation in vegetable crops as per requirement

Assam

- Continue land preparation /nursery sowing for Sali rice, sowing for maize crop. Continue planting of fruit crops like pineapple, papaya, banana, etc. Continue planting of Assam lemon and banana suckers. Postpone harvesting of summer green/black gram till the rain recedes. Undertake sowing of Oiltorius varieties viz, JRO-524, JRO-7835, JRO-632, SEL-2 and Tarun up to the month of May.

Arunachal Pradesh

- In Sub Tropical Hill Zone, undertake harvesting of matured mustard and Pea in clear weather. In rice field follow proper runoff management system to avoid loss of top soil due to heavy rainfall.

Maharashtra

- In South Konkan, continue nursery bed preparation for kharif rice and ragi. Due cloudy weather and light rains during last 4-5 days, there may be incidence of fruit fly on matured mango fruits, install Methyl eugenol containing Rakshak traps @ 4 traps per ha.
- In Madhya Maharashtra, undertake nursery preparation on raised bed for kharif rice & ragi (nachani). Undertake decomposition of crop residues and cotton stalks of previous season for destruction various stages of pink bollworm.
- In Marathwada, utilising pre-monsoon showers undertake land preparation for *kharif* sorghum, bajra, soybean and adsali sugarcane. Undertake nursery preparation for *kharif* onion.
- In Vidarbha, complete harvesting of matured rice & groundnut. Undertake nursery bed preparation for *kharif* rice.

Kerala

- Continue preparation of nurseries for Viruppu rice after current spells of heavy rain. Undertake main field planting of cardamom if irrigation facilities are available. Continue planting of coconut seedlings and 3-4 months old banana suckers (varieties like Robusta, Poovan, Njalipoovan, Palayankodan, etc).

Tamil Nadu

- Prevailing high wind speed may damage banana crop. Provide support to five months or older banana plants. Undertake planting of rooted cuttings of pepper if sufficient soil moisture is available. Provide drainage to recently planted sugarcane, maize, groundnut and turmeric rhizome.
- Undertake field preparation followed by sowing of Chithiraipattam rainfed groundnut. Provide drainage to late season sugarcane setts to avoid sett rot. Continue planting of turmeric rhizomes.

Telangana

- Continue land preparation and undertake sowing of rainfed crops like soybean, jowar, maize, red gram, green gram, cotton etc., only after receiving cumulative rainfall of 50-60 mm in light soils and 60-75 mm in heavy soils or the soil should be wet up to 15-20 cm depth after onset of South-West monsoon rains.
- Avoid sowing of rice nurseries using Telangana Sona (RNR 15048) in the month of June and also avoid sowing of cotton and soybean in light soils under rainfed conditions.