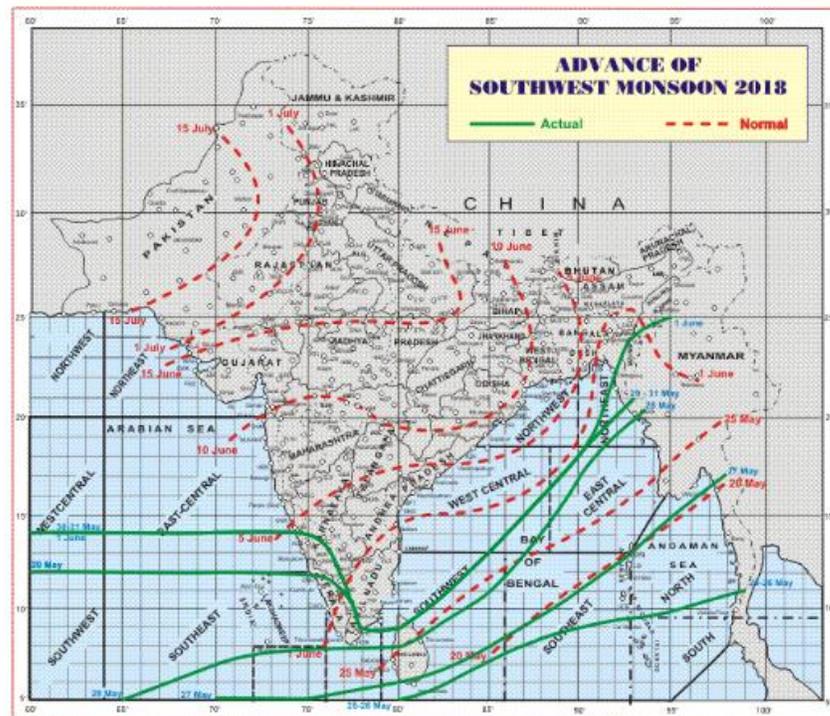


Advisory for DD Kisan dated 01.06.18

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

Advance of Southwest Monsoon

- The Southwest Monsoon has further advanced into some more parts of northeast Bay of Bengal and some parts of Mizoram & Manipur.
- The Northern Limit of Monsoon (NLM) passes through Lat. 14°N/ Long. 60°E, Lat. 14°N/ Long. 70°E, Shirali, Hassan, Mysuru, Kodaikanal, Tuticorin, Lat. 09°N/ Long. 80°E, Lat. 13°N/ Long. 85°E, Lat. 18°N/ Long 90°E, Lat. 20°N/ Long 91°E, Aizwal, Lat. 24°N/ Long 93°E(Chura Chandpur), and Lat.25°N/ Long. 95°E.
- Conditions are favorable for further advance of Southwest Monsoon into some more parts of northeastern states during next 48 hours. Conditions are likely to become favorable for further advance of southwest monsoon into some more parts of south Peninsula during the subsequent 3-4 days with the likely development of favorable circulation features and strengthening of cross Equatorial winds.



Significant Weather Features

- Heat wave conditions have abated from most of the regions except some parts West Rajasthan where it is likely to continue during next 3 days.

Realised Rainfall

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

- Rain/thundershowers observed at most places over Bihar; at many places over West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Coastal & North Interior Karnataka and Andaman & Nicobar islands; at a few places over Uttarakhand, Jharkhand, Assam & Meghalaya, north Coastal Andhra Pradesh, Telangana, South Interior Karnataka, Kerala and Lakshadweep; at isolated places over Himachal Pradesh, East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Vidharbha, Chhattisgarh, Odisha, Marathwada, Madhya Maharashtra and Tamilnadu & Puducherry.

Maximum temperature

- **Maximum temperature departures as on 31.05.2018:**

Maximum temperatures were markedly above normal (5.1°C or more) at isolated places over Jammu & Kashmir and West Rajasthan; appreciably above normal (3.1°C to 5.0°C) at a few places over Madhya Maharashtra; at isolated places over West Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi and Rayalaseema; at a few places over Himachal Pradesh, Saurashtra & Kutch and North Interior Karnataka; at isolated places over Andaman & Nicobar Islands and Tamilnadu & Puducherry.

The highest maximum temperature of **48.1°C** was recorded at **Ganganagar** (west Rajasthan) over plains of the country.

Temperature Forecast:

- Day maximum temperatures are very likely to continue in the range of 42-45° C over many parts of Rajasthan and some parts over Madhya Pradesh and Vidarbha during next 3 days.

5 Day Rainfall Forecast (Mid-day)

1st June 2018

Met-Sub-Division	01-Jun Today	02-Jun Sat	03-Jun Sun	04-Jun Mon	05-Jun Tue
1. Andaman & Nicobar Islands	WS	FWS	FWS	WS	WS
2. Arunachal Pradesh	SCT	SCT	SCT	SCT	SCT
3. Assam & Meghalaya	FWS	FWS	FWS	FWS	SCT
4. N. M. M. & T.	WS	WS	WS	FWS	FWS
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	FWS	FWS	SCT	SCT	SCT
7. Odisha	SCT	SCT	SCT	FWS	FWS
8. Jharkhand	FWS	SCT	SCT	SCT	SCT
9. Bihar	FWS	SCT	SCT	SCT	SCT
10. East Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	SCT	SCT	SCT	ISOL	SCT
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
16. Jammu & Kashmir	DRY	DRY	DRY	DRY	DRY
17. West Rajasthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	DRY	DRY	DRY
19. West Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	ISOL	ISOL	ISOL
23. Konkan & Goa	SCT	SCT	FWS	FWS	FWS
24. Madhya Maharashtra	SCT	SCT	SCT	SCT	FWS
25. Marathwada	SCT	SCT	SCT	SCT	FWS
26. Vidharbha	ISOL	SCT	ISOL	ISOL	ISOL
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	SCT
28. Coastal Andhra Pradesh	SCT	SCT	SCT	SCT	SCT
29. Telangana	SCT	SCT	SCT	FWS	FWS
30. Rayalaseema	SCT	SCT	SCT	FWS	FWS
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	SCT	SCT
32. Coastal Karnataka	FWS	FWS	FWS	WS	WS
33. North Interior Karnataka	FWS	FWS	FWS	FWS	WS
34. South Interior Karnataka	SCT	FWS	FWS	FWS	FWS
35. Kerala	FWS	FWS	FWS	FWS	FWS
36. Lakshadweep	DRY	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

- 01 June (Day1):** Heat wave conditions are very likely to occur at some parts of West Rajasthan with severe heat wave at one or two pockets.
 Warm night conditions are very likely at one or two pockets over West Madhya Pradesh.
 Heavy rain very likely at isolated places over West Bengal, Odisha, Assam & Meghalaya and Manipur, Mizoram & Tripura.
 Thunderstorm accompanied with squall and lightning very likely at isolated places over East Uttar Pradesh, Bihar, Jharkhand and Odisha.
 Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand, West Uttar Pradesh, East Madhya Pradesh, Vidharbha, Chhattisgarh, West Bengal, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh, Telangana, Rayalaseema, North Interior Karnataka, Tamilnadu & Puducherry and Kerala.
- 02 June (Day 2):** Heat wave conditions are very likely to occur at one or two pockets over West Rajasthan.

Warm night conditions are very likely at one or two pockets over West Madhya Pradesh. Heavy rain very likely at isolated places over Sub-Himalayan West Bengal, Assam & Meghalaya, Manipur, Mizoram & Tripura, Rayalaseema and South Interior Karnataka. Thunderstorm accompanied with squall and lightning very likely at isolated places over Uttar Pradesh.

Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand, Vidharbha, Bihar, Jharkhand, West Bengal, Odisha. Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh, Telangana, Rayalaseema, North Interior Karnataka, Tamilnadu & Puducherry and Kerala.

- **03 June (Day 3):** Heat wave conditions are very likely to occur at one or two pockets over West Rajasthan.

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

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

- **04 June (Day 4):** Heavy rain very likely at isolated places over Coastal & North Interior Karnataka.

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

- **05 June (Day 5):** Heavy rain very likely at isolated places over Odisha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal & North Interior Karnataka and Kerala.

Thunderstorm accompanied with squall and lightning likely at isolated places over Odisha.

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

Salient Advisories

- Utilizing the pre monsoon showers, continue nursery bed preparation for kharif rice in South Konkan. In Telangana, taking advantage of the pre-monsoon rains, continue land preparation for sowing of kharif crops. Procure and keep the seed, fertilizers and pesticides ready for timely sowing of rain-fed crops. Take up sowing of rainfed crops like Soybean, Jowar, Maize, Redgram, Greengram, Cotton etc., 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. Undertake nursery preparation for rice in Coastal Karnataka and land preparation and sowing of cow pea, groundnut, green gram and black gram in South Interior Karnataka.

Thunderstorm accompanied with Squally winds/ gusty winds

- Thunderstorm accompanied with squall and lightning very likely at isolated places over East Uttar Pradesh, Bihar, Jharkhand and Odisha during next 24 hours, over Uttar Pradesh on 2nd and over Odisha on 5th June.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand, West Bengal, Maharashtra, Coastal Andhra Pradesh, Telangana, Rayalaseema, North Interior Karnataka, Tamil Nadu & Puducherry and Kerala during next 48 hours, over West

Uttar Pradesh, East Madhya Pradesh, Chhattisgarh during next 24 hours and over Bihar, Jharkhand and Odisha on 2nd June.

- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand on 3rd, over Uttar Pradesh, Jharkhand and Odisha during 3rd to 5th June, over Bihar, 3rd and over Gangetic West Bengal on 4th and 5th June.
- In view of expected thunderstorm accompanied with squall / gusty winds with lightning 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.
- Farmers are advised not to work in the field and keep cattle in shed during thunderstorm and lightning period.

Heat Wave warning and Advisory

Warning:

- **Heat wave conditions** are very likely to occur at some parts of West Rajasthan with severe heat wave at one or two pockets during next 24 hours and heat wave conditions at one or two pockets on 2nd and 3rd June.

Advisory:

- 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 Sub-Himalayan West Bengal, Assam & Meghalaya, Manipur, Mizoram & Tripura during next 72 hours, over Rayalaseema and South Interior Karnataka on 2nd & 3rd June, over Gangetic West Bengal during next 24 hours, over Odisha during next 24 hours and on 5th June, over Coastal & North Interior Karnataka on 4th & 5th June and over Kerala, Konkan & Goa, Madhya Maharashtra and Marathwada on 5th 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.

Agromet Advisories for summer crops from different AMFUs in the country

Sate-wise Advisories

Kerala

- Continue preparation of nurseries for Viruppu rice and planting of vegetables, coconut seedlings and 3-4 months old banana suckers (varieties like Robusta, Poovan, Njalipoovan, Palayankodan, etc). Undertake field preparation for transplanting of rice.
- Proper drainage should be ensured in banana.

Andhra Pradesh

- Continue sowing *pre-kharif* crops like sesamum, bajra, mesta, etc. Continue field preparation for rain-fed sugarcane. Carry out strengthening of field bunds. Undertake land preparation for sowing of kharif crops and keep inputs ready for sowing.

Telangana

- Taking advantage of the pre-monsoon rains, continue land preparation for sowing of *kharif* crops. Procure and keep the seed, fertilizers and pesticides ready for timely sowing of rain-fed crops. Take up sowing of rainfed crops like soybean, jowar, maize, redgram, 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. Sow Green gram as catch crop preceding rice depending on the availability of water.

Tamil Nadu

- Undertake nursery sowing of rice for kuruvai season. Use rice varieties, viz., ADT 36, ADT 43, ADT 45 and ADT 47 suitable for kuruvai season. Provide staking to 5 months old banana and sugarcane crops. Provide drainage to sugarcane, maize, groundnut and turmeric to avoid sett rot.

Karnataka

- In South Interior Karnataka, continue sowing of cowpea (TVX-944, KBC-1, TVC-152), green gram (PS-16, PDM-84,178, KKM-3), black gram (Karagao-3, T-9, Rashmi (LBG-625), horse gram, field bean (HA 1, 2, 3 & 4) and groundnut (TMV-2, JL-24, KCG-6) utilizing the realized rainfall.
- In Coastal Karnataka, continue nursery raising of rice and multiplication of seedlings of black pepper. Transfer strong and better arecanut seedlings from primary seed bed to secondary seed bed. Clean all drainage channels.
- In North Interior Karnataka, continue 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. Continue the repairing of bunds and check dam so as to reduce the run-off to check the soil erosion.

Arunachal Pradesh

- Undertake sowing of French bean and okra. Provide proper drainage facility in the fields of Jhum rice, pea, toria, mustard, ginger and turmeric crops. Undertake sowing of larger cardamom in primary nursery bed at 2cm depth & 10cm.

- Spray Triazophos 40EC @ 4 ml/litre of water to control stem borer in rice nursery as well as in the main field.

Assam

- Continue land preparation /nursery sowing for Sali rice and sowing of well germinated seeds of Sali rice (varieties such as Ranjit, Bahadur, Kushal, Maniram, Mahsuri, Keteki Joha, etc.) Continue sowing of maize after current spells of heavy rain. Continue transplanting of Ahu rice. Continue planting of Assam lemon and banana suckers. Provide proper drainage in sugarcane fields.
- Apply 5% Malathoin dust @ 20 kg per ha to control of Gandhi bug in Boro rice

Meghalaya

- Continue land preparation and sowing of maize (varieties Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek, QPM-1, etc.) Continue sowing of okra. Provide support of bamboo structure for climbers of bottle/ash gourd.

Manipur

- Continue land preparation and sowing of soybean, groundnut, black gram and rice bean. Maintain optimum water depth of 5-8cm in *pre-kharif* rice field. Continue land preparation/seed collection for raising *kharif* rice nursery. Undertake sowing of *kharif* maize.

Tripura

- Drain out excess water that is accumulated in in cowpea and Jhum rice fields. Continue sowing of groundnut and maize.

Nagaland

- Undertake land preparation and sowing of *kharif* crops. Continue sowing of summer vegetables.

Odisha

- Continue sowing of green manure crops like Dhaincha and sunhemp utilising the realised and expected rainfall. Continue harvesting of matured pulses and groundnut in clear weather.
- Increased temperature may favour the egg laying of stem borer in rice in the main field. To attract the butterflies, install 4 Pheromone traps/acre, collect the adults and destroy them by burning them under soil or by burying.

Jharkhand

- Utilising expected rainfall, undertake ploughing of upland and keep the field ready to sow the different *kharif* crops after onset of monsoon. To increase the fertility of rice field, farmers may sow t green manure crops like Sunhemp and Dhaincha. The seed rate for both is 20-25 kg per acre.
- Maintain optimum water level in summer rice fields at grain filling/hardening stage. Continue planting of ginger and elephant foot yam in uplands.

West Bengal

- In the Sub-Himalayan West Bengal, carry out sowing of Dhaincha seeds at 45 days before transplanting of Aman rice with available moisture. Provide proper drainage facility in maize, soybean, round chilli, ginger and turmeric fields.
- In Gangetic West Bengal, complete the harvesting of groundnut and dry the pods under shade.

Chhattisgarh

- Keep inputs ready for sowing of *kharif* crops. Apply irrigation in summer moong, sugarcane, vegetables as per soil moisture condition. Continue harvesting of matured vegetables. Continue nursery preparation for rice.

Maharashtra

- As thunderstorm accompanied with gusty winds and lightning very likely at isolated places Vidarbha on 1st and 2nd, over Madhya Maharashtra, Marathwada and Konkan & Goa on 2nd June, provide support to banana, young fruit plants and vegetables to avoid lodging. Undertake propping in sugarcane.
- As rain/thundershowers would occur at many places over Konkan & Goa from 3rd to 5th, over Madhya Maharashtra and Marathwada on 5th June, along with heavy rain at isolated places very likely over Madhya Maharashtra, Marathwada and Konkan & Goa on 5th June, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water stagnation.
- In South Konkan, continue nursery sowing of *kharif* rice. Harvest remaining matured mango fruits before 1000 hours in the morning and after 16 hours in the evening at 80 to 85 % maturity. Keep the harvested fruits in shade to prevent spongy tissue disease and from heat.
- In Madhya Maharashtra, undertake nursery preparation on raised bed for *kharif* rice. Undertake decomposition of crop residues and cotton stalks of previous season for destruction various stages of pink bollworm. Undertake nursery bed preparation for *kharif* rice in western ghat regions. Use rice straw ash @ 1 kg per square meters in nursery bed.
- In Marathwada, utilising pre-monsoon showers, undertake land preparation for *kharif* season. Select variety for sowing of soybean (varieties : MAUS-71(Samrudhi), MAUS-81 (Shakti), MAUS-158, MAUS-162) sorghum (Hybrid varieties like CHS-14, CSH-16, CSH-25 (Parbhani Sainath) and improved varieties like PVK-400, CSV-17, PVK-801, PVK-809), bajra (Hybrid varieties like GHB-558, Saburi, Shardha, Shanti, AHB-1666, PKV-Raj), Improved varieties (ICTP, AIMP-92901 (Samrudhi), PPC-6 (Parbhani Sampada), ABPC-4-3 and local varieties (Ambika, Terna, Prabhavati (Parbhani-1), Sugandha, Parag, Parbhani Avishkar), turmeric and adsali sugarcane. Undertake sowing of *kharif* vegetables like brinjal, chilli and tomato in raised nursery beds. For planting of oat fodder crop select varieties like JHO-822, RO-19, VPO-94.
- In Vidarbha, complete harvesting of matured rice. Keep the harvested produce in safer place. Continue ploughing fields to expose soil to solar radiation. Prepare raised nursery bed for *kharif* rice.

Punjab, Haryana & Delhi:

- In Punjab, continue harvesting of matured vegetables. Continue 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). Undertake sowing of rainy season vegetables like okra, cucurbits and cowpea. Apply irrigation in sugarcane, maize, moong, mash, vegetables and orchards.
- In Haryana, continue sowing of cotton. Continue nursery sowing of rice.
- In Delhi, keeping in view of increase in temperature, apply frequent irrigation in vegetables, nurseries of vegetables, fodder crops and orchards. Protect vegetable nurseries and orchards against hot winds by physical barrier. Undertake nursery preparation for chilli, brinjal and cauliflower. Continue sowing of cotton. Undertake field preparation for sowing of red gram.

