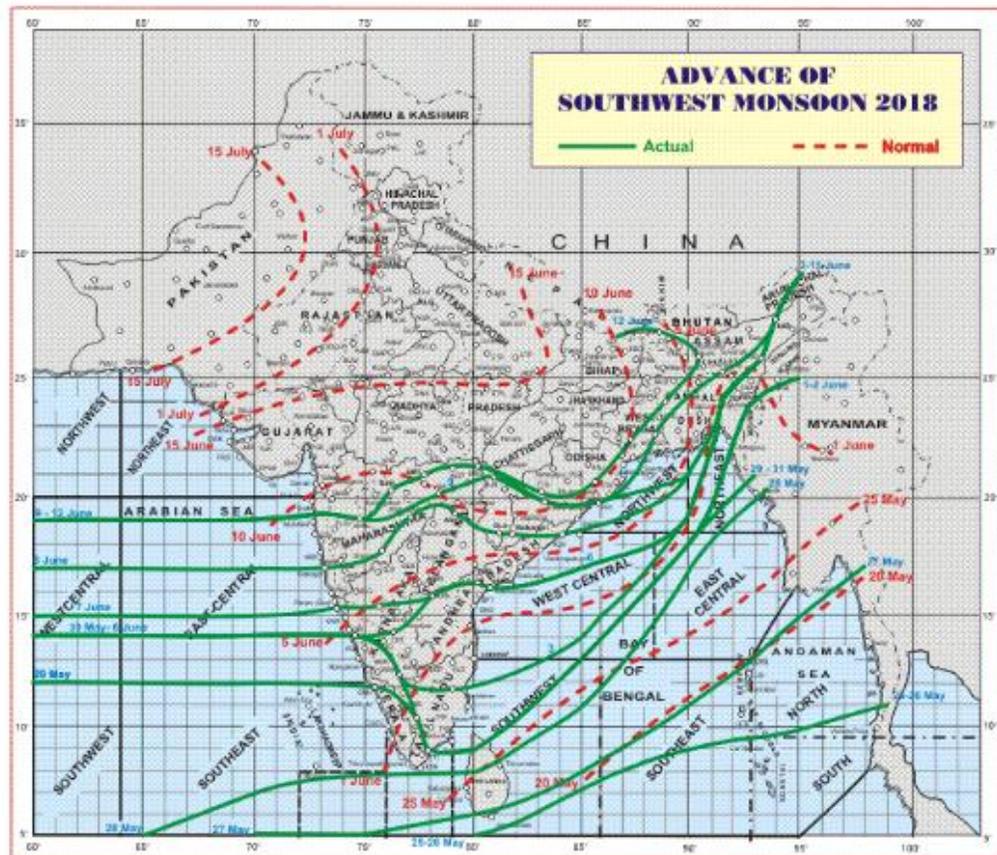


Advisory for DD Kisan dated 12.06.18

(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 Odisha and Gangetic West Bengal, remaining parts of northwest Bay of Bengal, entire Arunachal Pradesh and most parts of Assam & Meghalaya and of Sikkim.
- The Northern Limit of Monsoon (NLM) passes through Lat. 19°N/ Long. 60°E, Lat. 19°N/ Long. 70°E, Thane (including Mumbai), Ahmednagar, Buldhana, Amraoti, Gondia, Titlagarh, Cuttack, Midnapore, Lat. 24°N/ Long. 89°E, Goalpara, Bagdogra and Lat. 27°N/ Long. 87°E.
- No further advance likely during the next one week due to weakening of monsoon flow.



Realised Rainfall

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

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

Maximum temperature

- **Maximum temperature departures as on 11.06.2018:**

Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Uttarakhand, Sub-Himalayan West Bengal & Sikkim and West Rajasthan; above normal (1.6°C to 3.0°C) at many places over Punjab and Haryana, Chandigarh & Delhi ; at a few places over Himachal Pradesh, Assam & Meghalaya, East Uttar Pradesh and Gujarat ; at isolated places over Jammu & Kashmir, East Rajasthan, West Madhya Pradesh and Andaman & Nicobar Islands.

The highest maximum temperature of **44.8°C** were recorded at **Bikaner & Jaisalmer** (West Rajasthan) and Kanpur (East Uttar Pradesh) over plains of the country.

Temperature Forecast:

- Day maximum temperatures are very likely to continue in the range of 42-44° C over many parts of Rajasthan and 40-42° C over rest parts of plains of northwest and adjoining central India during next 2-3 days.

5 Day Rainfall Forecast (Mid-day) 12th June 2018

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

- 12 June (Day 1):** Heavy to very heavy rain at a few places with extremely heavy rain at isolated places very likely over Nagaland, Manipur, Mizoram & Tripura; heavy to very heavy and extremely heavy rain at isolated places Assam & Meghalaya; Heavy rain at a few places with very heavy rain at isolated places very likely over Kerala; heavy to very heavy rain at isolated places over Sub-Himalayan West Bengal & Sikkim, north Coastal Andhra Pradesh, Coastal & South Interior Karnataka and heavy rain at isolated places over south Chhattisgarh, Arunachal Pradesh, Odisha, Gangetic West Bengal, south Konkan & Goa and Tamil Nadu.

Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Bihar, Jharkhand, Vidharbha, south Chhattisgarh, Odisha, Telangana and north Coastal Andhra Pradesh.

Squally winds speed reaching 35-45 kmph gusting to 55 kmph very likely along and off Goa-Karnataka-Kerala coasts, Tamilnadu Coast, Andhra Pradesh-Odisha-West Bengal Coasts and over Southwest Arabian Sea off Somalia coast and West Central Arabian Sea off Oman Coast . Sea condition is likely to be rough to very rough over these areas. Fishermen are advised not to venture into these areas.

- **13 June (Day 2):** Heavy to very heavy ♦ rain at isolated places Coastal & South Interior Karnataka, Kerala, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; and heavy rain at isolated places over Arunachal Pradesh, Odisha, West Bengal & Sikkim, south Konkan & Goa.

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

Squally winds speed reaching 35-45 kmph gusting to 55 kmph very likely along and off Goa-Karnataka-Kerala coasts, Tamil Nadu Coast, Andhra Pradesh-Odisha-West Bengal Coasts and over Southwest Arabian Sea off Somalia coast and West Central Arabian Sea off Oman Coast . Sea condition is likely to be rough to very rough over these areas. Fishermen are advised not to venture into these areas.
- **14 June (Day 3):** Heavy to very heavy rain at isolated places over Assam & Meghalaya and heavy rain at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, south Konkan & Goa, Coastal & South Interior Karnataka and Kerala.

Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over East Uttar Pradesh and Bihar.
- **15 June (Day 4):** Heavy to very heavy rain at isolated places over Sub-Himalayan west Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya and heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura and Lakshadweep

Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarkhand, Punjab and East Uttar Pradesh.

Duststorm/ Thunderstorm likely at isolated places over West Uttar Pradesh.
- **16 June (Day 5):** Heavy rain at isolated places over Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, south Konkan & Goa and Lakshadweep.

Thunderstorm accompanied with squall likely at isolated places over Himachal Pradesh and Uttarakhand.

Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Jammu & Kashmir, Punjab and Haryana, Chandigarh & Delhi

Duststorm/ Thunderstorm likely at isolated places over West Uttar Pradesh.

Salient Advisories

- Undertake field preparation and transplanting of *viruppu* rice in **Kerala**, continue nursery sowing for *Sali* rice in **Assam** and undertake land preparation and sowing of normal sown WRC rice in **Meghalaya after current spells of heavy rain**. Continue land preparation and sowing of soybean, groundnut, black gram and rice bean in **Manipur**. Complete nursery sowing of *kharif* rice in **Konkan**. In **Telangana**, continue land preparation for sowing of *kharif* crops and undertake sowing of rainfed crops like soybean, jowar, maize, red gram, green gram, 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. Continue nursery raising of rice after current spells of heavy rain and undertake main field preparation for transplanting of rice in **Coastal Karnataka** and land preparation and sowing of cow pea, groundnut, green gram and black gram in **South Interior Karnataka**. In **North Interior Karnataka**, undertake sowing of soybean, green gram,

black gram (DU-1, DBGV-5), red gram (TS-3R), groundnut (G 2-52, GPBD-4, GPBD -5 (rainfed), HD-86, TAG-24 (irrigated) and maize (Arjun, GH-0727) crops where sufficient rainfall is received.

Thunderstorm accompanied with Squally winds/ Gusty winds

- Thunderstorm accompanied with squall likely at isolated places over Himachal Pradesh and Uttrakhand on 16th June.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Bihar during next 3 days, over Jharkhand and Odisha during next 2 days, over Vidarbha, south Chhattisgarh, Telangana and north Coastal Andhra Pradesh during next 24 hours, over East Uttar Pradesh on 14th and 15th, over Jammu & Kashmir and Punjab on 15th and 16th, over Himachal Pradesh, Uttarkhand on 15th and over Haryana, Chandigarh & Delhi on 16th June.
- Duststorm/ Thunderstorm likely at isolated places over West Uttar Pradesh on 15th and 16th June.

Advisory:

- 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.

Warning and Advisory for fishermen

- Squally winds speed reaching 35-45 kmph gusting to 55 kmph very likely along and off Goa-Karnataka-Kerala coasts, Tamilnadu Coast, Andhra Pradesh-Odisha-West Bengal Coasts and over Southwest Arabian Sea off Somalia coast and West Central Arabian Sea off Oman Coast. Sea condition is likely to be rough to very rough over these areas during next 48 hours.
- Fishermen are advised not to venture into these areas during next 48 hours.

Heavy Rainfall warning and Advisory

Warning:

- Heavy to very heavy rain at a few places with extremely heavy rain at isolated places very likely over Nagaland, Manipur, Mizoram & Tripura during next 24 hours and heavy to very heavy rain at isolated places on 13th and isolated heavy on 14th & 15th June.
- Heavy to very heavy and extremely heavy rain at isolated places Assam & Meghalaya during next 24 hours; with heavy to very heavy rain at isolated places for subsequent 3 days and heavy rain at isolated places on 16th June.
- Heavy rain at a few places with very heavy rain at isolated places very likely over Kerala during next 24 hours, with heavy to very heavy rain at isolated places on 13th June and heavy rain at isolated places on 14th June.

- Heavy to very heavy rain/ heavy rain at isolated places over Sub-Himalayan West Bengal & Sikkim during next 5 days.
- Heavy rain at isolated places over south Konkan & Goa during next 3 days & on 16th June, over north Coastal Andhra Pradesh during next 24 hours.
- Heavy to very heavy rain/ heavy rain at isolated places over Coastal & South Interior Karnataka during next 2 days and heavy rain on 14th June.
- Heavy rain at isolated places over Arunachal Pradesh during next 3 days & on 16th and isolated heavy to very heavy on 15th June.
- Heavy rain at isolated places over Odisha and Gangetic West Bengal during next 2 days, over south Chhattisgarh, and Tamil Nadu during next 24 hours and over Lakshadweep on 15th and 16th June.

Advisory:

- In view of expected isolated heavy /very heavy with extremely heavy rain over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka, South Interior Karnataka and Kerala avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Drain out excess water from rice nursery /vegetable fields in Assam & Meghalaya and Coastal Karnataka and avoid sowing of rice in nursery.
- Provide adequate drainage in ginger, turmeric, pulses and vegetable fields in Nagaland, Manipur, Mizoram & Tripura.

Agromet Advisories for *Kharif* crops from different AMFUs in the country

Sate-wise Advisories

Kerala

- Undertake transplanting of Viruppu rice and planting of vegetables. Continue planting of coconut saplings. Undertake planting of seedlings of cucurbits like bitter gourd, snakegourd at 4-5 leaf stage.

Andhra Pradesh

- Continue field preparation for rain-fed sugarcane. Undertake land preparation for sowing of *kharif* crops and keep inputs ready for sowing varieties like K 6, K 9, Dharani, Kadiri, Chitravani and Amaravathi for groundnut; LRG 41, PRG 176 and LRG 52 varieties for red gram and high yielding varieties like Kranthi, Haritha, Jwala, PCH 111 and DCH 157 for mustard. Take up timely sowings of early maturing cotton varieties.

Telangana

- 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, 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. Take up sowing of long duration rice varieties upto 20th June.

Tamil Nadu

- Undertake nursery sowing of rice for kuruvai season (varieties, viz., ADT 36, ADT 43, ADT 45 and ADT 47 suitable for kuruvai season). By utilizing received rainfall in command areas where rice is grown during August, green manure crops like daincha or sunnhemp may be grown and in situ ploughed @ 45 days after sowing. Provide staking to 5 months old banana and sugarcane crops.

Karnataka

- In North East transition zone, undertake field preparation and sowing soybean (JS-335), green gram(BGS-9), black gram(DU-1) and redgram(TS-3R) where sufficient rainfall is received..
- In South Interior Karnataka, as heavy rainfall is expected, postpone the harvesting of rice and ragi. Under double cropping 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), ragi (Indaf -9, ML-365), sesamum (Navile-1, T-7), groundnut (TMV-2, JL-24, KCG-6), onion (Arka Kalyan, Bhima Super, Bellary Red & Satara Local), maize (Hema Shree, Nitya Shree) and under mono cropping sowing of long duration crops like red gram (TTB-7, BRG-1,2,4,5,7), castor (DCS-9 (Jyothi), DCH-177 & 32), cotton (Bt cotton-Bollgard-I&II), after spells of heavy rainfall.
- In Coastal Karnataka, continue nursery raising of rice after current spells of heavy rain; undertake main field preparation for transplanting of rice. Clean all drainage channels.

Assam

- In Assam, continue sowing nursery of Sali rice and pulses after current spells of heavy rain. Undertake main field preparation for transplanting of rice.
- Continue land preparation /nursery sowing for Sali rice and sowing of well germinated seeds of high yielding Sali rice varieties such as Ranjit, Bahadur, Kushal, Maniram, Mahsuri, Keteki Joha, etc. in typical lowland areas and medium duration varieties like Satya and Basundhara in medium lowland areas after current spells of heavy rain. Continue land preparation/sowing of groundnut varieties like TG-1A, JL-24, etc. Undertake sowing of pigeon pea and soybean and planting of black pepper after current spells of heavy rain. Continue planting of Assam lemon, pineapple, papaya, banana, etc. Provide proper drainage in jute field. Provide staking to vegetable crops and propping to sugarcane. Continue sowing of maize. Carry out thinning operation in jute.

Meghalaya

- Undertake nursery preparation for Sali/ kharif rice (lowland) after current spells of heavy rain.
- Undertake sowing of maize in High & Mid altitude Region

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, prepare field for wet seeded rice (varieties : Sabita Foundation, Swarna sub-1 certified, IR-64, Hira T.L etc.) Start land preparation and direct sowing of Aman rice. Undertake sowing of Sweta, Churni, Jagriti, Probhat varieties of arhar after seed treatment with Mancozeb, Thairam or Captan.

Maharashtra

- In view of thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Vidarbha during next 24 hours, provide mechanical support to orchards, staking in vegetables. Farmers are advised not to work in open field and keep the cattle in shed.
- In Konkan, complete nursery sowing rice.
- In Madhya Maharashtra, Complete nursery sowing of rice on raised bed. Complete preparatory tillage operations and keep the field ready for sowing of kharif crops like cotton, tur and soybean.
- In Marathwada, complete preparatory tillage and keep fields ready for sowing kharif soybean sorghum, bajra and planting of adsali sugarcane. Intercropping of crops like cotton, pigeon pea, black gram/ green gram, groundnut and maize may be adopted to serve as an insurance against crop failures and as a preventive against soil erosion.
- In Vidarbha, prepare raised nursery bed for kharif rice in East Vidarbha. Sowing of tur, moong (green gram) and udid (black gram) may be done considering realized rainfall and sufficient moisture in the field. Minimum 75 mm to 100 mm rainfall should be received to start the sowing of crop. At the time of sowing, mix seeds sorghum with pigeon pea seeds.