

Advisory for DD Kisan dated 22.06.18

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

Significant Weather Features

- Conditions are becoming favourable for further advance of Southwest Monsoon over remaining parts of Assam, some more parts of Maharashtra, Chhattisgarh, Odisha, West Bengal and some parts of south Gujarat region, Jharkhand, Bihar and Madhya Pradesh during next 2-3 days.
- The Northern Limit of Monsoon continues to pass through Lat. 19°N/ Long. 60°E, Lat. 19°N/ Long. 70°E, Thane (including Mumbai), Ahmednagar, Buldhana, Amravati, Gondia, Titlagarh, Cuttack, Midnapore, Lat. 24°N/ Long. 89°E, Goalpara, Baghdogra and Lat. 27°N/ Long. 87°E.
- Heavy to very heavy rain observed at isolated places over Sub-Himalayan West Bengal and heavy rain observed at isolated places over Konkan & Goa, Vidarbha and Odisha.
- Yesterday, Heat wave conditions were observed at some parts of East Uttar Pradesh and East Madhya Pradesh and one or two pockets of Bihar.

Realised Rainfall

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

- Rain/thundershowers observed at most places over Kerala;, Konkan & Goa, Vidarbha, Madhya Maharashtra, Coastal Karnataka, Odisha, Arunachal Pradesh, Sub-Himalayan West Bengal, Nagaland, Manipur, Mizoram & Tripura and Jharkhand; at many places over Jammu & Kashmir, Chhattisgarh, Assam & Meghalaya, Gangetic West Bengal, Coastal Andhra Pradesh and Marathwada; at few places over Madhya Pradesh, Telangana and interior Karnataka and at isolated places over East Rajasthan and Tamilnadu & Puducherry.

Maximum temperature

- **Maximum temperature departures as on 21.06.2018:**
- Maximum temperatures were markedly above normal (5.1°C or more) at most places over East Uttar Pradesh; at many places over West Uttar Pradesh; at a few places over Madhya Pradesh & Chhattisgarh; appreciably above normal (3.1°C to 5.0°C) at most places over Bihar & Jharkhand; at many places over Uttarakhand, East Rajasthan, Gujarat, Vidarbha, Telangana & Odisha; at a few places over Himachal Pradesh, West Rajasthan & Coastal Andhra Pradesh; at isolated places over Haryana, Chandigarh & Delhi, North Interior Karnataka, West Bengal & Sikkim & Assam & Meghalaya; above normal (1.6°C to 3.0°C) at many places over Punjab & Marathwada; at isolated places over Jammu & Kashmir, Rayalaseema.
- The highest maximum temperature of **45.7°C** was recorded at **Jhansi** (West Uttar Pradesh) over plains of the country.

Temperature Forecast:

- No significant change in maximum temperatures very likely over most parts of the country during next 2 days and fall by 2-4° C over east and adjoining central India during next 48 hours.

5 Day Rainfall Forecast (Mid-day) 22nd June 2018

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

% Station Reporting Rainfall

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

Weather Warning

- 22 June (Day 1):** ♦ Heavy to very heavy rain at Isolated places very likely over Vidarbha & Konkan & Goa; heavy rain very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Odisha, Madhya Maharashtra, Marathwada, Telangana, Coastal Karnataka and Kerala.

Thunderstorm accompanied with gusty winds very likely at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Jharkhand, Bihar, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh, Telangana, Rayalaseema and Tamilnadu & Puducherry.

Heat wave conditions very likely at a few places over East Uttar Pradesh and at one or two pockets over West Uttar Pradesh.

- **23 June (Day 2):** Heavy to very heavy rain at isolated places very likely over Vidarbha, Konkan & Goa, Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya; heavy rain very likely at isolated places over Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Telangana, Coastal Karnataka, South Interior Karnataka and Kerala.

Thunderstorm accompanied with gusty winds very likely at isolated places over Coastal Andhra Pradesh, Telangana, Rayalaseema and Tamilnadu & Puducherry.

- **24 June (Day 3):** Heavy to very heavy rain at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya; heavy rain very likely at isolated places over Vidarbha, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Karnataka, South Interior Karnataka and Kerala.
- **25 June (Day 4):** Heavy to very heavy rain at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Konkan & Goa, Coastal Karnataka and Kerala; heavy rain very likely at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka.
- **26 June (Day 5):** Heavy to very heavy rain at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Konkan & Goa and Coastal Karnataka; Heavy rain likely at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Assam & Meghalaya, Gujarat region, Coastal Andhra Pradesh, Telangana and South Interior Karnataka.

Salient Advisories

- As conditions are becoming favourable for further advance of Southwest Monsoon over remaining parts of **Assam**, some more parts of **Maharashtra, Chhattisgarh, Odisha, West Bengal** and some parts of **south Gujarat region, Jharkhand, Bihar and Madhya Pradesh** during next 2-3 days, continue nursery preparation for rice in **South Gujarat** and carry out land preparation for sowing of cotton and groundnut in middle Gujarat. Continue nursery raising for rice. Undertake land preparation for sowing of maize, soybean and groundnut and undertake sowing after onset of monsoon in **Madhya Pradesh** and undertake nursery preparation for sowing of rice in **Chhattisgarh**. Undertake land preparation for sowing of direct seeded upland rice, maize, groundnut, pigeon pea, urad and moong in **Jharkhand**. Undertake land preparation for sowing of non-paddy crops like pulses, oilseeds and *kharif* vegetables in upland areas in **Odisha**.
- Utilising the realized and expected rainfall, continue transplanting of Viruppu rice in **Kerala**. Continue nursery sowing for Sali rice in **Assam**, undertake nursery sowing for low land Sali /*kharif* rice in Meghalaya and sowing of soybean, groundnut, black gram and rice bean in Manipur. Undertake for transplanting *kharif* rice in **Konkan**. In **Coastal Karnataka**, continue nursery raising of rice and undertake main field preparation for transplanting of rice. Continue 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). In **Andhra Pradesh**, continue land preparation for rainfed crops viz., pulses, ragi, groundnut and green manure crops and take up sowings of rainfed crops after receipt of sufficient rain. In **Telangana**, continue land preparation for sowing of *kharif* crops and undertake sowing of rainfed crops like soybean, jowar, maize, redgram, 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.

Thunderstorm accompanied with Gusty winds

- Thunderstorm accompanied with gusty winds very likely at isolated places over Coastal Andhra Pradesh, Telangana, Rayalaseema and Tamil Nadu & Puducherry during next 48 hours, over Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Jharkhand, Bihar, Gangetic West Bengal, Odisha during next 24 hours.

Advisory:

- In view of expected thunderstorm accompanied with gusty winds in above regions, provide support to young fruit plants, banana and vegetables and propping up in sugarcane to prevent the crops from lodging due to strong winds.

Heavy Rainfall warning and Advisory

Warning:

- Heavy to very heavy rain at isolated places very likely over Konkan & Goa during next 48 hours, heavy rain on 24th and heavy to very heavy on 25th and 26th June.
- Heavy to very heavy rain at isolated places very likely over Vidarbha during next 48 hours and heavy rain thereafter.
- Heavy rain very likely at isolated places over Sub-Himalayan West Bengal & Sikkim during next 24 hours and heavy to very heavy rain thereafter.
- heavy rain very likely at isolated places over Assam & Meghalaya during next 24 hours and Heavy to very heavy rain on 23rd, 24th and 25th June and heavy rain on 26th June
- Heavy rain very likely at isolated places over Odisha during next 5 days, over Kerala during next 3 days and heavy to very heavy on 25th June.
- Heavy rain very likely at isolated places over Coastal Karnataka during next 3 days, and Heavy to very heavy on 25th and 26th June.
- Heavy rain very likely at isolated places over Telangana, during next 48 hours and on 26th June, over Madhya Maharashtra, Marathwada, Telangana, during next 48 hours.
- Heavy rain very likely at isolated places over, South Interior Karnataka during next 5 days, over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura on 23rd, 24th and 25th June.
- Heavy rain very likely at isolated places over Arunachal Pradesh on 25th, over East Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, on 25th and 26th June and over Coastal Andhra Pradesh and Gujarat region on 26th June.

Advisory:

- In view of realized rainfall and expected isolated heavy /very heavy rain over Assam & Meghalaya, Konkan & Goa, Coastal 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 Konkan & Goa, Assam & Meghalaya and Coastal Karnataka and avoid sowing of rice in nursery.

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

Sate-wise Advisories

Kerala

- Continue transplanting of *Viruppu* rice and planting of vegetables like bhindi, chilli, brinjal, etc. Fix rain guard for rubber trees during the month. Continue main field planting of cardamom. Undertake planting of seedlings of cucurbits like bitter gourd, snake gourd at 4-5 leaf stage.

Andhra Pradesh

- Undertake land preparation for rainfed crops *viz.*, pulses, ragi, groundnut and carry out sowings after receipt of sufficient rain. (varieties like K 6, K 9, Dharani, Kadiri, Chitravani and Amaravathi for groundnut and LRG 41, PRG 176 and LRG 52 varieties for redgram), castor (Kranthi, Haritha, Jwala, PCH 111 and DCH 157).

Telangana

- Undertake 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 if the soil is wet up to 15-20 cm depth.

Karnataka

- In Coastal Karnataka, drain out excess water from crop fields. Undertake sowing of maize (DMH-2, Arjun and other hybrids) and cotton dibbling. For cotton use DHH-11, NCH-145, NHH-44, DHB-105 and Sahana varieties. Continue nursery raising of rice after spells of heavy rain; continue main field preparation for transplanting of rice.
- In North Interior Karnataka, in areas where the soil moisture condition is favourable for sowing, continue sowing of soybean, green gram, black gram, red gram (TS-3R), sunflower, bajra, sesamum, navane, groundnut (bunch type), cotton and maize crops..
- In South Interior Karnataka, in areas where the soil moisture condition is favorable for sowing, under double cropping, continue sowing of cowpea, green gram, black gram, horse gram, field bean, ragi, sesamum, groundnut, onion, maize and under mono cropping, sowing of long duration crops like red gram, castor, cotton, jowar crops and horticulture crops

Arunachal Pradesh

- Provide proper drainage facility in the fields of Jhum rice, vegetables, ginger and turmeric crops. Undertake transplanting of *kharif* rice. Cut the tips of leaves before transplanting to reduce stem borer population. Continue harvesting mature cobs of maize.

Assam

- Drain out excess water from jute and vegetable fields. Carry out field preparation for sowing sesamum. Undertake sowing of pigeon pea (variety: T-21). Continue land preparation /nursery 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. Continue land preparation/sowing of groundnut varieties like TG-1A, JL-24, etc. Continue sowing of maize with seeds (2.5-3.0 Kg/bigha) of normal hybrids like Ganga 11, Deccan 107, Deccan 109, Vivek 9; Quality Protein Hybrid like HQPM-1; normal Composite variety like NLD, Parbhat, Novjot, Pusa Comp 1 & 2 and Quality Protein composite like Shakti-1. Continue planting of pineapple and papaya.

Meghalaya

- Continue field preparation for upland *kharif* rice. Undertake sowing of maize. Provide support of bamboo structure for climbers of bottle/ash gourd and carry out weeding & earthing up operations.

Manipur

- Continue land preparation and sowing of soybean, groundnut, black gram and rice bean after current spells of heavy rain. Continue nursery raising of *kharif* rice varieties RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Undertake land preparation for transplanting *kharif* rice seedlings to the main field. Undertake sowing of *kharif* maize.

Odisha

- Undertake sowing of non-paddy crops like pulses, oilseeds and *kharif* vegetables in upland areas.
- Continue sowing of green manuring crops like Dhaincha and sunhemp. Undertake field preparation and keep inputs ready for *kharif* sowing.

Bihar

- Undertake nursery raising of long duration and medium paddy varieties. Long duration varieties like Rajshree, Rajendra Mansuri, MTU 7029, Suwrna Sub-1, Aries 6444 and medium duration varieties like Kanak, Sita, Rajendra Sweta, BPT 5204, MTU- 1001 are recommended for this area.
- Continue sowing of maize (varieties Devki, Suwan, Shaktimaan-1, Shaktimaan-2, Rajendra shanker makka-3 and Ganga 11).

Jharkhand

- Undertake land preparation for sowing of maize, groundnut, pigeon pea, urdbean and moong. After receiving sufficient rainfall, start land preparation for timely (15 to 30 June) sowing of direct seeded upland rice hence.
- In Central and North Eastern Plateau Zone, undertake land preparation and sowing of sesame and soybean (vari. Birsa Soya bean-1, Birsa safed soya bean etc) before sowing treat the seed with Thiram, Captain or Carbendazim. Undertake land preparation for sowing of pigeon pea and maize in South Eastern Plateau Zone.

West Bengal

- In Gangetic West Bengal, continue land preparation and nursery sowing of Aman rice varieties like Lalswana (long duration) and MTU 1010, PD 12, Pratiksha, Bidhan 1 etc (short duration).

Continue sowing of Sweta, Churni, Jagriti, Probhat varieties of arhar during next week after seed treatment with Mancozeb, Thairam or Captan.

Maharashtra

- In Konkan, undertake transplanting of rice with 21-25 days old seedling. Continue land preparation and sowing of groundnut (varieties: Konkan Gaurav, Trombay Konkan (Tapora), TAG-26, TAG-24 and TPG-41). Undertake sowing of kharif vegetables like okra, cucumber, bitter gourd, snake gourd, ridge gourd. okra should be planted on ridges and furrows and sowing of gourd vegetables be done on soil mounts.
- In Madhya Maharashtra, undertake sowing of kharif crops like cotton, tur and soybean in areas which received sufficient rain. Complete nursery sowing of rice on raised bed for kharif rice and finger millet.
- In Marathwada, undertake sowing of *kharif* soybean, sorghum bajra, turmeric and adsali sugarcane in areas which received sufficient rain.
- In Vidarbha, prepare rice seed beds at 1.2 x 4.0 m size for rice nursery on uplands field. Undertake sowing of *kharif* crops like sorghum, cotton, green gram, black gram and soybean after receipt of sufficient rainfall.

Madhya Pradesh:

- In West Madhya Pradesh, continue land preparation for sowing of red gram and soybean. Undertake sowing after onset of monsoon. Continue nursery preparation for rice.
- In East Madhya Pradesh, undertake sowing of kharif crops like maize, soybean and groundnut after onset of monsoon. Continue direct sowing of rice in areas where irrigation facilities are available in Kymore Plateau and Satpura Hill Zone. Continue nursery preparation for rice.

Chhattisgarh

- Continue land preparation for sowing of *kharif* crops. Continue nursery preparation for rice. Continue nursery preparation for vegetables. Continue line sowing of rice. Continue digging of pit for planting of fruit crops like papaya, guava, mango, litchi and pomegranate.

Jammu & Kashmir

- Complete nursery sowing of Basmati 370 and Ranbir Basmati without any delay. Utilizing rainfall received during past few days, farmers are advised to go for transplanting of rice crop where seedlings are ready. Harvest the matured summer pulses (moong, mash) crops in clear weather. Undertake sowing of early sown maize crop under irrigated and rainfed conditions.

Punjab, Haryana & Delhi

- In Punjab, undertake transplanting of rice. Continue sowing of rainy season vegetables like okra, cucurbits and cowpea. Undertake sowing of maize.
- In Haryana, continue sowing of Lobia, moth and pigeon pea. Undertake transplanting of 30 days old seedlings of rice. Apply irrigation in cotton, sugarcane, vegetables and orchards.
- In Delhi, apply irrigation in vegetables, fodder crops and orchards. Continue sowing of red gram. Continue nursery preparation for rice. Undertake field preparation for sowing of maize.

Uttar Pradesh

- Continue nursery preparation for onion, cauliflower, brinjal, chilli and tomato. Continue nursery preparation for rice. Continue sowing of pigeon pea under irrigated condition. Continue sowing of ginger and turmeric. Undertake sowing of cucurbits. Continue sowing of kharif maize, jowar, soybean and groundnut.

Rajasthan

- Undertake land preparation for sowing of crops like red gram, pearl millet, sorghum, maize & cluster bean. Undertake preparation of nursery of kharif fennel. Continue nursery sowing of rice.