

Advisory for DD Kisan dated 29.06.18

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

Significant Weather Features

- Southwest monsoon has further advanced into remaining parts of Gujarat state, Rajasthan and north Arabian Sea. Thus the southwest monsoon has covered the entire country today, the **29th June 2018**.
- The monsoon trough which is currently seen to the south of its normal position is likely to shift northwards towards the foot hills of the Himalayas from 1st July to 6th July. As a result, the rainfall activity is likely to reduce over central India and increase along the foot hills regions on 1st & 2nd July.
- Heavy rain observed at isolated places over Jammu & Kashmir, Himachal Pradesh, Punjab, East Rajasthan, West Madhya Pradesh, Gujarat region, Konkan & Goa, Vidarbha, Chhattisgarh, Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Coastal Karnataka and Kerala from 0830 hrs IST of yesterday to 0830 hours IST of today.

Realised Rainfall

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

- Rain/thundershowers observed at most places over Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, West Madhya Pradesh, Vidarbha, Coastal & South Interior Karnataka, Konkan & Goa, Kerala and Lakshadweep; at many places over Chhattisgarh, Madhya Maharashtra, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan west Bengal & Sikkim; at a few places over East Uttar Pradesh, Andaman & Nicobar Islands, Odisha, North Interior Karnataka, Telangana and Gujarat region; at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh, West Rajasthan, Bihar and Saurashtra & Kutch.

Maximum temperature

- **Maximum temperature departures as on 28.06.2018:**
- Maximum temperatures were above normal (1.6°C to 3.0°C) at a few places over Saurashtra & Kutch and Kerala; at isolated places over Gujarat region and Tamilnadu & Puducherry; They were markedly below normal (-5.1°C or less) at most places over Jammu & Kashmir and Haryana, Chandigarh & Delhi; at many places over Himachal Pradesh, Punjab and Chhattisgarh; at a few places over Coastal Andhra Pradesh;
- The highest maximum temperature of **42.7°C** was recorded at **Fatehgarh** (East Uttar Pradesh) over plains of the country.

Temperature Forecast:

- No significant change in maximum temperatures over most parts of the country during next 3 days

5 Day Rainfall Forecast (Mid-day)

29th June 2018

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

- 29 June (Day 1):** Heavy rain at a few places with very heavy rain at isolated places very likely over Coastal Karnataka; heavy to very heavy rain at isolated places over East Rajasthan and Konkan & Goa, heavy rain at isolated places over Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Odisha, Uttarakhand, Himachal Pradesh, Jammu & Kashmir, West Madhya Pradesh, West Rajasthan, north Gujarat region and Kerala.
- 30 June (Day 2):** Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya, Uttarakhand and Coastal Karnataka; heavy rain at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Uttar Pradesh, Punjab and Kerala.

- **01 July (Day 3):** Heavy to very heavy with extremely heavy rain at isolated places very likely over Assam & Meghalaya; heavy rain at a few places with very heavy rain at isolated places very likely over Uttarakhand and East Uttar Pradesh; heavy to very heavy rain at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim and West Uttar Pradesh heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh and Coastal Karnataka.
- **02 July (Day 4):** Heavy to very heavy with extremely heavy rain at isolated places likely over Assam & Meghalaya; heavy to very heavy rain at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Uttar Pradesh, Uttarakhand; heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, Punjab, Himachal Pradesh, Konkan & Goa and Coastal Karnataka.
- **03 July (Day 5):** Heavy to very heavy rain at isolated places likely over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and Konkan & Goa; heavy rain at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Bihar, Punjab, Jammu & Kashmir and Coastal Karnataka.

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

Sate-wise Advisories

Kerala

- Drain out excess water from the field.
- Complete transplanting of Viruppu rice and planting of vegetables like bhindi, chilli, brinjal, etc.
- In order to control sheath blight in one month old Viruppu rice, spray Pseudomonas culture 10 g/ 1 litre of water after current spell of rain.

Andhra Pradesh:

- Undertake sowing of pulses, ragi, groundnut. Seed treatment should be followed with Mancozeb @ 3 g/ kg seed. Choose high yielding varieties like K 6, K 9, Dharani, Kadiri, Chitravani and Amaravathi for groundnut and LRG 41, PRG 176 and LRG 52 varieties for red gram. Choose high yielding varieties of castor like Kranthi, Haritha, Jwala, PCH 111 and DCH 157. Rainfed sugarcane can be planted by utilizing the realized rainfall. In the Scarce Rainfall Zone, undertake land preparation for sowing of groundnut.

Telangana

- Undertake sowing of rainfed crops like soybean, jowar, maize, redgram, green gram, cotton etc. in areas which received 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.

Tamil Nadu

- Undertake sowing of tomato after seed treatment with Trichoderma Viride @ 4g/kg or Pseudomonas Flurosence @ 10g/kg seeds.

- To control thrips in the Kuruvai paddy nursery, spray Chloripyriphos @ 2.5 ml/litre of water. To control the incidence of sucking pest in the vegetable crops, spray neem seed kernal extract 5%. To control boll worm in cotton, spray Chlorantraniliprole 18.5% SC 150 ml/ha or Chlorpyriphos 20% EC 1250 ml/ha.

Karnataka:

- In Coastal Karnataka, undertake transplanting of rice. Continue sowing of maize, turmeric and ginger, cotton dibbling and transplanting of areca nut seedlings. Undertake sowing / transplanting after current spells of rain. Drain out excess water from already sown crop fields.
- 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.
- 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, cotton and maize crops.

Odisha

- Continue sowing of non-paddy crops like pulses (Arhar- UPAS 120, Mahak, Asha, Mung- TARM-1, TARM-2, Biri- PU-31, PU-19), groundnut (vari.Smruiti, Devi, JL 24, Kadri, AK 12-24) and kharif vegetables in upland areas. Undertake sowing of ragi and maize.
- Undertake nursery sowing of rice for medium land. Nursery sowing should be done with varieties not more than 145 days duration.

Bihar

- Continue nursery raising of long duration and medium paddy (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)
- Undertake sowing of Kharif Maize (varieties and short duration like-Suwan, Deoki, Shaktiman-1, 2, DHM117, Pusa agath hybrid makka -3 etc).

Jharkhand

- Complete sowing of direct seeded upland rice. Undertake land preparation and sowing of maize, groundnut, pigeon pea, urdbean and moong.
- In Central and North Eastern Plateau Zone, continue land preparation and sowing of sesame and soybean (vari.Birsa Soya bean-1 , Birsa safed soya bean etc)

West Bengal

- In the Sub-Himalayan West Bengal, provide proper drainage facility in soybean, round chilli, ginger and turmeric fields. Undertake land preparation for new plantation of large cardamom.
- In Gangetic West Bengal, continue land preparation and nursery sowing of Aman paddy varieties like MTU 1010, PD 12, Bidhan 1 etc. (short duration); MTU-7029, MTU1001, Pratiksha etc. (medium duration) and CR1017, CR1018, CR1019, Sabita etc.(long duration).

Maharashtra

- In South Konkan, continue transplanting of 22 – 25 days old rice seedling. Continue land preparation for sowing of groundnut (varieties: Konkan Gaurav, Trombay Konkan (Tapora), TAG-26, TAG-24 and TPG-41). Continue grafting in the mango nursery. Undertake transplanting of chilli and brinjal in well drained soil.
- In Madhya Maharashtra, continue sowing of kharif crops like cotton, tur and soybean in areas which received sufficient rain. If there is sufficient rainfall then undertake the puddling operation in the rice fields for transplanting.
- In Marathwada, undertake sowing of kharif crops like rainfed Bt cotton, pigeonpea, black gram/green gram, groundnut, maize after receipt of sufficient rainfall. Continue transplanting of vegetable crops where sufficient rainfall was received.
- Farmers are advised to wait for sowing in the areas where sufficient amount of rainfall was not received (Aurangabad district : Paithan, Vaijapur Beed district : Gevarai, Majlgaon, Kej, Parli, Dharur, Shirurkasar, Hingoli district : Basmat, Jalna district : Bhokardan, Jafrabad, Jalna, Ambad, Partur, Badnapur, Ghansangavi, Mantha, Latur district : Devani and Ausa, Nanded district : Nanded, Bhokar, Deglur, Kinwat, Umari, Ardhapur, Naigaon(Kh), Biloli, Osmanabad district : Osmanabad, Tuljapur, Paranda, Lohara, Parbhani district : Gangakhed, Pathri, Jintur, Sonpeth, Manwat, Palam, Selu & some parts of Parbhani district).
- In West Vidarbha, continue nursery sowing for rice on raised beds. Undertake sowing of kharif crops like pigeon pea [varieties-AKT-8811, PKV-TARA, BSMR-853, BSMR-736 and ICPL-87119(Aasha)].
- Undertake sowing of kharif crops like cotton, tur, maize and soybean except in some pockets of Buldhana district (Nandura, Shegaon, Kamgaon).

Gujarat

- In Middle Gujarat, undertake sowing of pearl millet, cotton and groundnut utilizing realized rainfall. Undertake main land preparation for transplanting of rice.
- In South Gujarat, undertake sowing of pigeon pea, green gram and black gram crops with realized rainfall, main field preparation for transplanting of rice and plantation of horticultural crops.
- In North Gujarat, continue land preparation for sowing of groundnut, pearl millet, sesame, maize, green gram, sorghum; undertake sowing of these crops and transplanting of vegetable crops after receipt of sufficient rainfall.
- In Saurashtra & Kutch, continue land preparation for sowing of kharif groundnut, sesame, pearl millet, green gram, black gram, cowpea, pigeon pea, maize, sorghum and undertake sowing after receipt of sufficient rainfall.

Madhya Pradesh

- In West Madhya Pradesh, undertake sowing of red gram, maize, green gram, black gram, pearl millet and soybean. Continue nursery preparation for rice. Continue sowing of ginger and turmeric.
- In East Madhya Pradesh, undertake sowing of kharif crops like maize, soybean and groundnut. Undertake sowing of okra and cucurbits. Continue nursery preparation for rice.

Chhattisgarh

- Undertake sowing of kharif crops like soybean, til maize, groundnut. Undertake sowing of cucurbits. Continue nursery preparation for rice. Undertake transplanting of vegetables. Continue line sowing of rice.

Punjab, Haryana & Delhi

- In Punjab, continue transplanting of rice. Continue sowing of rainy season vegetables like okra, cucurbits and cowpea. Continue sowing of maize.
- In Delhi, continue sowing of red gram. Undertake transplanting of rice. Undertake sowing of maize.

Rajasthan

- In East Rajasthan, undertake sowing of crops like red gram, green gram, cowpea, moth, pearl millet, sorghum, maize & cluster bean. Continue preparation of nursery of *kharif* fennel.
- In West Rajasthan, undertake land preparation and sowing of pearl millet, cluster bean, mung bean, moth crops.