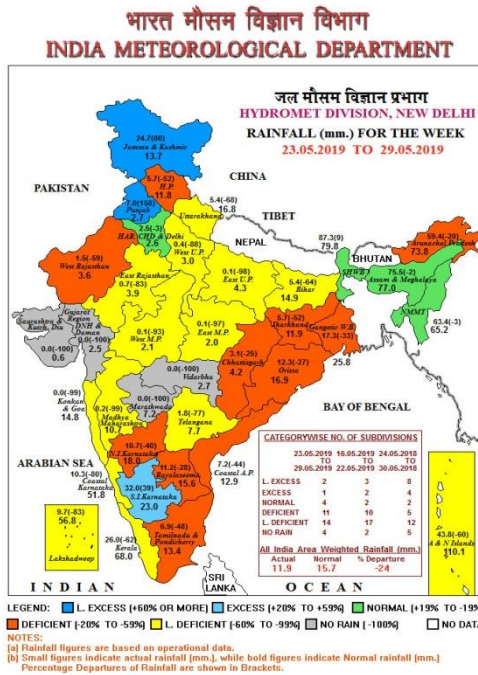


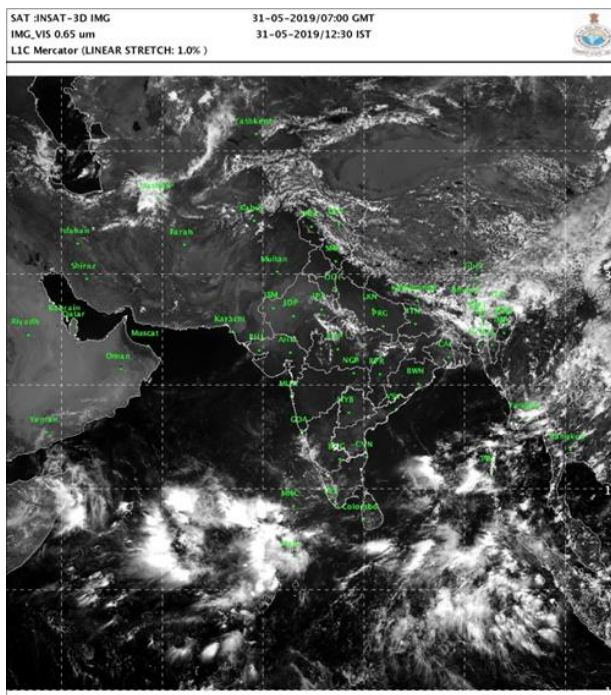
Inputs for Krishi Darshan, New Delhi dated 31.05.2019

Rainfall map for the week ending 29.05.2019



- **Large Excess Rain:** Jammu & Kashmir, Punjab
- **Excess Rain:** South Interior Karnataka
- **Normal Rain:** Haryana, Chandigarh & Delhi, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura (NMMT), Sub-Himalayan West Bengal & Sikkim
- **Deficient Rain/ Large Deficient Rain/ No Rain:** Rest of the country

Satellite image 0700 UTC dated 31.05.2019



Significant weather features

♦ As per 2nd Stage Long Range Forecast update for the 2019 Southwest Monsoon, rainfall over the country as a whole for the 2019 Southwest Monsoon season (June-September) is most likely to be normal (96% to 104%) of long period average (LPA). Quantitatively, Monsoon season rainfall for the country as a whole is likely to be 96% of the LPA with a model error of $\pm 4\%$. Region wise, the season rainfall is likely to be 94% of the LPA over Northwest India, 100% of LPA over Central India, 97% of LPA over South Peninsula and 91% of LPA over North-East India all with a model error of $\pm 8\%$. The monthly rainfall over the country as a whole is likely to be 95% of its LPA during July and 99% of LPA during August both with a model error of $\pm 9\%$. The current weak El-Nino conditions over Pacific are likely to continue during the monsoon season with some possibility of these conditions to turn to neutral ENSO conditions during the latter part of the monsoon season.

♦ **The Northern Limit of Monsoon (NLM) continues to pass through Lat. 5°N/Long. 75°E, Lat. 5°N/Long. 80°E, Lat. 10°N/Long. 87°E, Lat. 13°N/Long. 90°E and Lat. 16°N/Long. 94.5°E. Conditions are becoming favourable for further advance of Southwest Monsoon into extreme southern parts of Arabian Sea, some more parts of Maldivo-Comorin Area, southwest, southeast and eastcentral Bay of Bengal during next 72 hours.**

Weather Forecast for next 5 days valid upto 0830 hours of 5th June 2019

Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table below.

Maximum temperatures are very likely to rise gradually by 2-3°C over major parts of northwest India during 48 hours. They are likely to remain above normal by 2-3°C over some parts of south peninsula during next 3 days. No significant change in maximum temperatures likely over rest of the country during next 24 hours.

5 Day Rainfall Forecast (Mid-day) 31st May 2019

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

% 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 for fishermen

- Strong wind with speed reaching 40-50 kmph very likely to prevail over southwest Arabian Sea, southwest Bay of Bengal, Andaman Sea and adjoining southeast Bay of Bengal on 31st May and 1 June. Fishermen are advised not to venture into this area.

Salient advisories based on weather warning

- **Heat Wave** in most parts with **severe heat** wave conditions in some parts very likely over West Rajasthan on 31st May to 2nd June; **Heat Wave conditions in many parts with severe heat wave in isolated pockets** very likely over Vidarbha on 31st May; Punjab, Haryana, Chandigarh & Delhi and Madhya Pradesh on 31st May & 1st June; **Heat Wave conditions in some parts with severe heat wave in isolated pockets** very likely over Uttar Pradesh and East Rajasthan on 31st May, 1st June, Vidarbha on 1st June, **Heat wave conditions in many parts** over Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh on 2nd June; West Rajasthan on 3rd & 4th June; **in some parts** very likely over Jharkhand on 31st May, Vidarbha on 2nd to 4th June, East Rajasthan, Madhya Pradesh on 3rd June to 4th June; **isolated pockets** over Madhya Maharashtra on 31st May, Jammu & Kashmir & Marathwada 31st May & 1st June, Himachal Pradesh, Uttarakhand, Chhattisgarh and North Interior Karnataka on 31st May, 1st June, 2nd June, Jharkhand 1st and 2nd June, Uttar Pradesh on 2nd & 3rd June, Punjab, Haryana, Chandigarh & Delhi on 3rd & 4th June, Uttar Pradesh, on 3rd June, East Uttar Pradesh, Telangana on 31st May, 1st June, 2nd June and 4th June.

In above regions, apply light and frequent irrigation to the standing crops to cope up with the excess evaporative demand due to high temperature; undertake mulching with straw to conserve soil moisture. Provide shade for protection of young fruit plants from scorching sun.

- **Heavy rainfall** at isolated places very likely Nagaland, Manipur, Mizoram & Tripura on 31st May to 2nd June with **heavy to very heavy rainfall** at isolated places likely over Nagaland, Manipur, Mizoram & Tripura on 3rd & 4th. **Heavy rainfall** at isolated places very likely over Kerala on 31st May; Sub-Himalayan West Bengal & Sikkim, South Interior Karnataka & Andaman & Nicobar Islands on 31st May & 1st June and Assam & Meghalaya from 31st May to 4th June.

In above regions, postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields. Keep harvested produce (Boro rice, Green gram and Blackgram, Wheat and vegetables) at safer places.

- **Thunderstorm accompanied with squall (50-60 kmph)** at isolated places very likely over Gangetic West Bengal on 2nd June. **Thunderstorm & lightning accompanied with gusty winds (40-50 kmph)** at isolated places over East Madhya Pradesh and Vidarbha on 31st May; Rayalaseema and Tamilnadu & Puducherry on 2nd June; Haryana, Chandigarh & Delhi and West Uttar Pradesh on 3rd June; **with gusty winds (30-40 kmph)** at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Bihar, Jharkhand, Chhattisgarh, Vidarbha, Tamilnadu & Puducherry, Coastal Andhra Pradesh, Telangana and Rayalaseema on 1st June Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Bihar, Jharkhand, Chhattisgarh, Vidarbha and Coastal Andhra Pradesh on 2nd June, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, Odisha, Bihar, Jharkhand, Chhattisgarh and Vidarbha on 3rd June, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, Odisha, Chhattisgarh and Vidarbha on 4th June. **Thunderstorm/ Dust storm accompanied with squall (50-60 kmph)** at isolated places very likely over East Uttar Pradesh on 2nd and 3rd June; with **gusty winds (40-50 kmph)** at isolated places very likely over Haryana, Chandigarh & Delhi on 2nd to 4th June and West Uttar Pradesh on 2nd & 3rd June; **with gusty winds (30-40 kmph)** at isolated places very likely over Punjab on 2nd to 4th June.

In the above regions, provide mechanical support to young fruit plants, banana and staking in vegetables to prevent the crops from lodging due to strong winds. Undertake propping in sugarcane. Postpone application of plant protection measures and fertilizers to the standing crops during strong / squally / gusty winds.

Weather Outlook for subsequent 2 days from 5th to 7th June 2019

- Widespread rainfall over Northeast India with isolated heavy to very heavy falls likely over Tripura & neighbourhood and Isolated to scattered rainfall likely over Western Himalayan region, south Peninsular India and Islands.
 - Dry weather likely over the rest of the country.
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- Weather forecast issued by NWFC, New Delhi and Agromet Advisories prepared based on the DAAS Bulletins issued by different Agrometeorological Field Units are included in this bulletin.