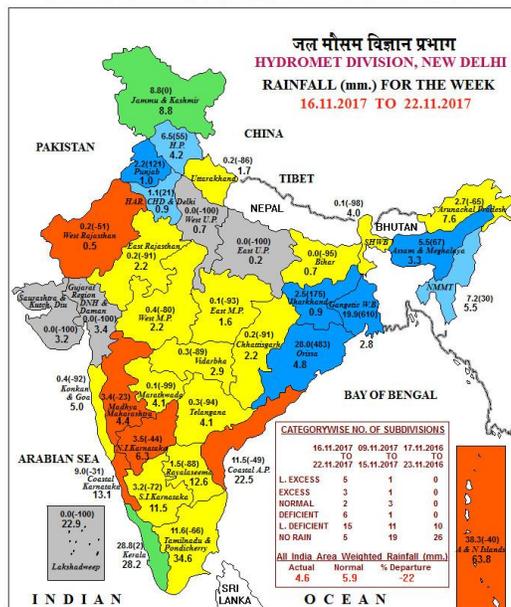


Inputs for Krishi Darshan, New Delhi dated 24.11.2017

Rainfall map for the week ending 22.11.2017

भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT

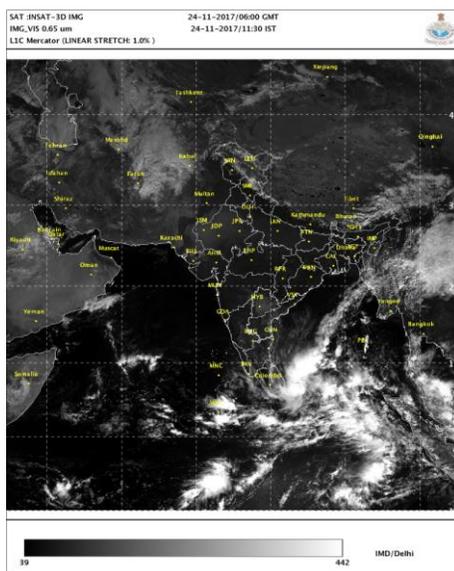


LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
 ■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

NOTES:
 [a] Rainfall figures are based on operational data.
 [b] Small figures indicate actual rainfall [mm.], while bold figures indicate Normal rainfall [mm.]
 Percentage Departures of Rainfall are shown in Brackets.

- ◆ **Large Excess Rain:** Punjab, Jharkhand, Gangetic West Bengal, Odisha, Assam and Meghalaya.
- ◆ **Excess Rain:** Haryana, Chandigarh, Delhi, Himachal Pradesh, Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Normal Rain:** Kerala and Jammu & Kashmir.
- ◆ **Rainfall was Deficient / Low Deficient / Dry:** Rest of the region.

Satellite image 0600 UTC Dated 24.11.2017



Weather Forecast for next 5 days valid upto 0830 hours of 29th November, 2017

- **Meteorological sub-division wise detailed 5 day rainfall forecast is given below.**
- No significant change in minimum temperature very likely over Northwest India during next 24 hours and rise by 1-2°C thereafter.
- No significant change in minimum temperature likely over rest parts of the country during next 3 days.
- Shallow to moderate fog at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, North Rajasthan and Uttar Pradesh in the morning hours of 26th, 27th & 28th November.

5 Day Rainfall Forecast (Mid day)

24th November 2017

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

- **24 November (Day 1):** Cold wave conditions very likely to prevail at isolated places over Uttar Pradesh, Haryana, Chandigarh & Delhi and East Rajasthan. Moderate to dense fog very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **25 November (Day 2):** Heavy rain very likely at isolated places over south Tamilnadu. Moderate to dense fog very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **26 November (Day 3):** Heavy rain very likely at isolated places over south Tamilnadu. Moderate to dense fog very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

- **27 November (Day 4):** Heavy rain likely at isolated places over south Tamilnadu.
- **28 November (Day 5):** No weather warning.

Weather Outlook for subsequent 2 days from 29th November to 1st December, 2017

- A fresh Western Disturbance is likely to affect Western Himalayan region from 29th November.
- The present low pressure system over southeast & adjoining eastcentral Bay of Bengal is likely to move across Comorin area and emerge into Arabian Sea.
- A fresh low pressure area is likely to develop over southeast Bay of Bengal around 29th November.
- Rain at most places likely over Andaman & Nicobar islands, at a few places likely over southern most peninsular India and northeast India.
- Weather is likely to be dry over the remaining parts of the country.

Executive Summary

- As heavy rain at isolated places very likely over **South Tamilnadu** on 25th, 26th and 27th November, avoid 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 the Problem Area Zone of **Kerala**, continue wet sowing of rice after seed treatment with Pseudomonas.
- In the Western Zone of **Tamil Nadu**, continue sowing of Bengal gram under rain fed situation considering the available soil moisture.
- As moderate to dense fog at isolated places in the morning hours very likely over **Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura** from 24th to 26th November, shallow to moderate fog at isolated places very likely over **Punjab, Haryana, Chandigarh & Delhi, North Rajasthan** and **Uttar Pradesh** in the morning hours of 26th, 27th & 28th November, monitor the standing crops for incidence and spread of pest diseases, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake plant protection measures.
- As cold wave conditions very likely to prevail at isolated places over **Uttar Pradesh, Haryana, Chandigarh & Delhi** and **East Rajasthan** on 24th November, the young as well as the newly planted fruit plants should be covered with thatches or kullies made of sarkanda or farm waste materials to protect them from cold damage.
- Under the prevailing weather conditions, sowing of following *rabi* crops are advised in different States/Agroclimatic Zones as given below:
 - **Wheat:** Continue sowing of long duration wheat till end of November in Punjab. Continue sowing in Bhal and Coastal Zone of Gujarat, in Irrigated North Western Plain Zone, in Southern Plain Zone and in Sub Humid Southern Plain and Aravali Hill Zone of Rajasthan, in Jammu & Kashmir and in Madhya Pradesh under sufficient soil moisture condition. Complete sowing of irrigated wheat (varieties: AKW-1071 (Purna), AKAW 3722(Vimal), HD-2189 and HD-2360) in Madhya Maharashtra and Marathwada.
 - **Bengal gram:** Continue sowing of gram in Jharkhand, Madhya Pradesh, Chhattisgarh, Rayalseema, Telangana, Rajasthan (Western Plain Zone) and Punjab. Complete sowing of gram in Vidarbha.
 - **Mustard/rapeseed:** Continue sowing in Assam, Manipur, Gangetic West Bengal and Odisha, continue sowing of mustard (Varieties: Pusa Bold, ACN-9) in East Vidarbha.
- As dry/mainly dry weather would prevail, continue harvesting of matured rice in Uttar Pradesh, Bihar, Odisha, Jharkhand, in North Telangana Zone and Sali rice in Assam. Continue picking of cotton in Gujarat, Maharashtra, Punjab and Haryana.

- 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.