

**All India Coordinated Research Project on Agrometeorology, CRIDA,
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Attention: Rajiv Maheshwari, OSD, ICAR

Daily Crop Weather Information as on 22 June 2018

Significant Weather Features (IMD)

- 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 23 days. The Northern Limit of Monsoon continues to pass through Thane (including Mumbai), Ahmednagar, Buldhana, Amravati, Gondia, Titlagarh, Cuttack, Midnapore. Thunderstorm observed at isolated places over Jammu & Kashmir, Madhya Pradesh, Jharkhand, Arunachal Pradesh, Assam, Meghalaya, Marathwada, Vidarbha, Coastal Andhra Pradesh and Kerala and at a few places over Gangetic West Bengal, Chhattisgarh, Madhya Maharashtra & Odisha from 11:30 hours IST of yesterday to 08:30 hours IST of today. Heavy to very heavy rain observed at isolated places over Sub Himalayan West Bengal, at isolated places over Konkan & Goa, Vidarbha and Odisha. Yesterday, Heat wave conditions were observed at some parts of East Uttar Pradesh, East Madhya Pradesh and one or two pockets of Bihar.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 08:30 hours IST of yesterday to 08:30 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 Marathawada, at few places over Madhya Pradesh, Telangana and interior Karnataka and at isolated places over East Rajasthan, Tamilnadu and Puducherry. Amount of rainfall recorded at 08:30 hours IST of today (4 cm or more) are: Coochbehar, Harnai, Angul, Durg, Rajnandgoan, Medak, Pune, Buldana, Aurangabad, Sohra, Puri, Itanagar, North Lakhimpur, Balasore, Matheran , Alapuzha , Thiruvananthapuram, Bhubaneshwar & Sambalpur.
- **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. They were appreciably below normal (3.1°C to 5.0°C) at many places over Kerala and below normal (1.6°C to 3.0°C) at a few places over Tamilnadu, Puducherry, South Interior Karnataka, Konkan & Goa; at isolated places over Coastal Karnataka and Madhya Maharashtra and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 45.7°C was recorded at Jhansi (West Uttar Pradesh).

- **Minimum temperature departures as on 22-06-2018:** Minimum temperatures are above normal (3.1°C to 5.0°C to) at isolated places over Rajasthan, Madhya Pradesh, Uttar Pradesh, Gujarat and Sub Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at many places over Bihar; at a few places over Gangetic West Bengal, Assam, Meghalaya, Coastal Andhra Pradesh and Telangana and at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Tamilnadu & Puducherry, Andaman & Nicobar Islands and Konkan & Goa. They are below normal (3.1°C to 5.0°C to) at a few places over Odisha and below normal (1.6°C to 3.0°C) at isolated places over Jammu & Kashmir, Madhya Maharashtra, Marathwada, Chhattisgarh, Coastal Karnataka and South Interior Karnataka and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- **22 June (Day 1) :** Heavy to very heavy rain at Isolated places very likely over Vidarbha, Konkan & Goa; over Sub Himalayan West Bengal, Sikkim, Assam, Meghalaya, Odisha, Madhya Maharashtra, Marathwada, Telangana, Coastal Karnataka and Kerala.
- **23 June (Day 2) :** Heavy to very heavy rain at isolated places expected over Vidarbha, Konkan & Goa, Sub Himalayan West Bengal, Sikkim, Assam, Meghalaya, 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, Tamilnadu and Puducherry.
- **24 June (Day 3) :** Heavy to very heavy rain expected at isolated places over Sub-Himalayan West Bengal, Sikkim, Assam, Meghalaya, 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 likely at isolated places over Sub - Himalayan West Bengal, Sikkim, Assam, Meghalaya, Konkan & Goa, Coastal Karnataka, Kerala, 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 expected over Sub Himalayan West Bengal, Sikkim, Konkan, Goa, Coastal Karnataka, over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Assam, Meghalaya, Gujarat region, Coastal Andhra Pradesh, Telangana and South Interior Karnataka.
- The weather outlook for the period of eight days i.e. 22 June to 30 June 2018 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) Light to heavy rainfall expected over Northern, Central, Peninsular , Western, North East India except some parts of Rajasthan (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Gujarat

Weather condition:

- Dry weather condition continue to prevail for the past few days. The maximum and minimum temperatures were ranged between 35.0°C to 37°C and 26°C to 27°C, respectively.

Contingency measure:

- Land preparation for sowing of *kharif* crops is recommended.
- As dry weather condition continue to prevail, famers are advised to give irrigation as and when required in summer crops.
- If proper irrigation facility is available, farmers are advised to sow cotton crop with spacing of 120 cm x 45 cm.
- Green gram is at Pod maturity stage, therefore farmers are advised to pick the mature pod, preserve it at safe place after sun drying.

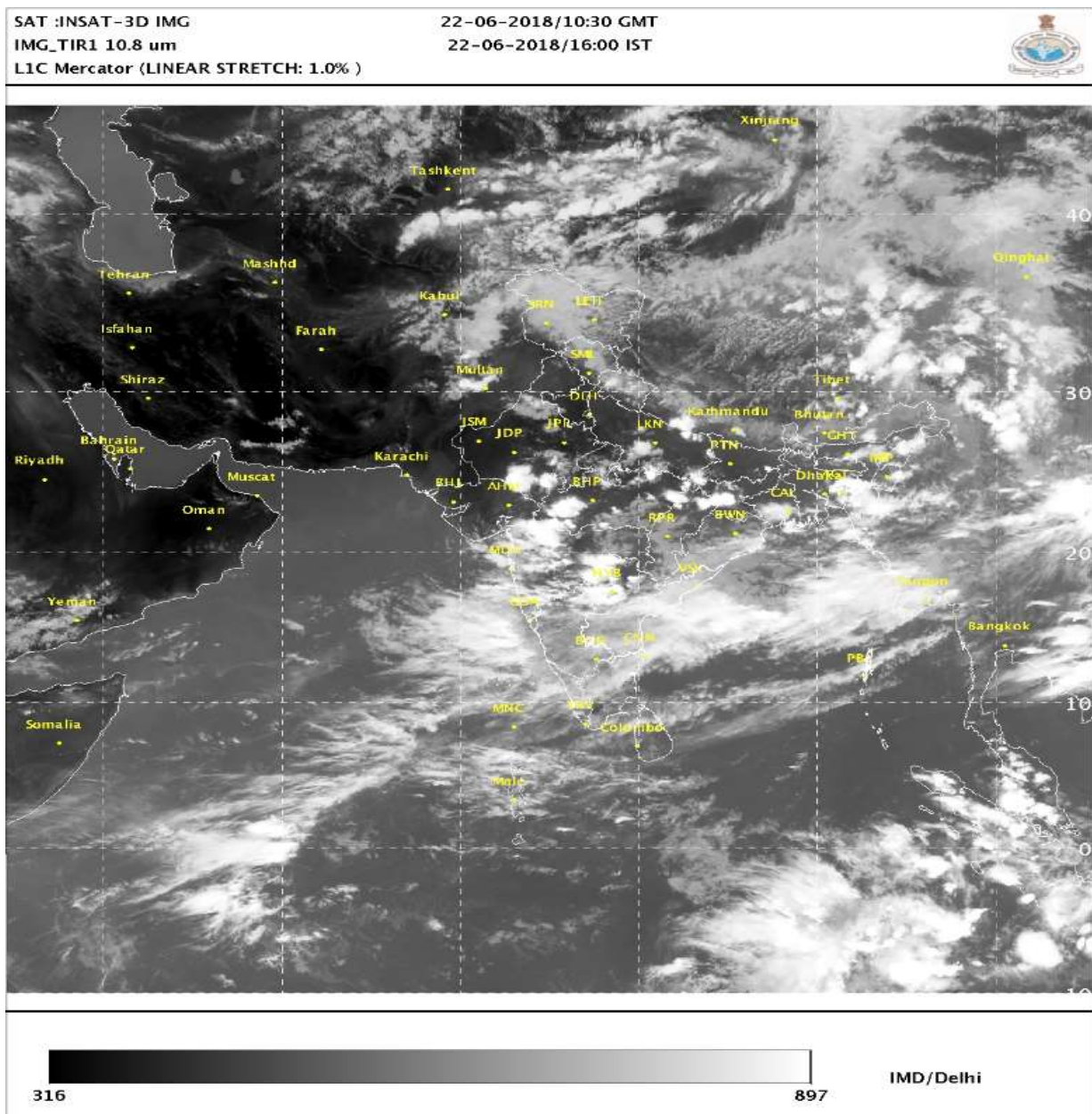


Figure: 1. Latest available satellite picture as on 22 June 2018 at 16:00 Hrs (IST).

(Source: IMD).

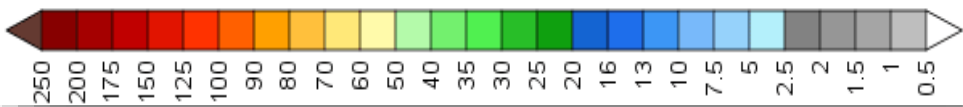
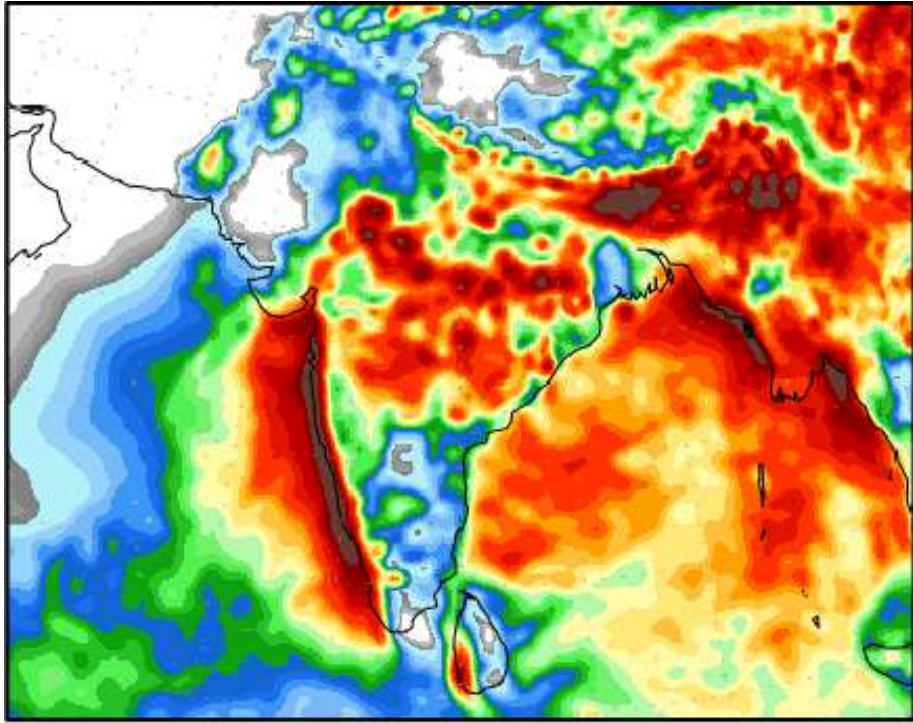


Figure: 2. Precipitation forecast for 22 June to 30 June 2018 (Source: NOAA NCEP)