

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 29 June 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- 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 08:30 hrs IST of yesterday to 08:30 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 08:30 yesterday to 08:30 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; Amount of rainfall recorded at 08:30 hours IST of today (5cm or more) are : Ludhiana and Shirali, Alwar; Jalpaiguri, Banihal, Baderwah, Dharmasala, Una, Nagpur, Wardha, Kokarnag, Ratlam, Bajpe, Mangalore, Baghdogra, Chaparmukh, Katra, Jammu, Kota and Matheran.
- **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, Tamilnadu and Puducherry. They were markedly below normal (-5.1°C or less) at most places over Jammu & Kashmir, Haryana, Chandigarh & Delhi, at many places over Himachal Pradesh, Punjab, Chhattisgarh; at a few places over Coastal Andhra Pradesh; appreciably below normal (3.1°C to 5.0°C) at many places over Rajasthan

and West Madhya Pradesh; at a few places over East Madhya Pradesh and Telangana; at isolated places over Odisha; below normal (1.6°C to 3.0°C) at many places over Coastal & South Interior Karnataka, Rayalaseema, Marathawada and Vidarbha; and at isolated places over Konkan & Goa, Sub Himalayan west Bengal, Sikkim, Assam, Meghalaya and Andaman & Nicobar Islands. The highest maximum temperature of 42.7°C was recorded at Fatehgarh(East Uttar Pradesh).

- **Minimum temperature departures as on 29-06-2018:** Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Uttarakhand; at a few places over Assam & Meghalaya and at isolated places over Sub Himalayan west Bengal, Sikkim, Saurashtra & Kutch. They are appreciably below normal (3.0°C to 5.1°C) at isolated places over South Interior Karnataka, Tamilnadu, Puducherry; below normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir, West Rajasthan, Haryana, Chandigarh, Delhi and Vidarbha; at many places over Punjab, East Rajasthan, Odisha, Telangana; at a few places over Madhya Pradesh, Konkan & Goa; at isolated places over Himachal Pradesh, Coastal Andhra Pradesh, Gujarat region and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- **29 June (Day 1) :** Heavy rain expected at a few places over Coastal Karnataka; heavy to very heavy rain at isolated places over East Rajasthan, Konkan & Goa, 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 expected at isolated places very likely over Assam, Meghalaya, Uttarakhand, Coastal Karnataka, over Arunachal Pradesh, Sub Himalayan West Bengal, Sikkim, Uttar Pradesh, Punjab and Kerala.
- **01 July (Day 3) :** Heavy to very heavy rain very likely over Assam & Meghalaya; over Uttarakhand and East Uttar Pradesh, Arunachal Pradesh, Sub Himalayan West Bengal, Sikkim, West Uttar Pradesh, over Nagaland, Manipur, Mizoram & Tripura, Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh and Coastal Karnataka.
- **02 July (Day 4) :** Heavy to very heavy rain likely over Assam & Meghalaya; 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, Konkan & Goa; over Arunachal Pradesh, Nagaland, Manipur, Mizoram, Tripura, Gangetic West Bengal, Odisha, Bihar, Punjab, Jammu & Kashmir and Coastal Karnataka.

- The weather outlook for the period of seven days *i.e* 28 June to 06 July 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Uttar Pradesh, Bihar, Chhattisgarh, Odisha, Eastern Madhya Pradesh, North eastern States and light to moderate rainfall in some parts of Western and Peninsular India. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Rajasthan

Weather condition

Light rainfall received in Rajasthan state during the past few days. The maximum temperature ranges from 37 to 40°C and minimum temperature ranges from 23 to 25 °C.

Contingency measure:

- Due to chances of rainfall farmers are advised to field preparation should be done for kharif crops.
- Farmers are advised to procure good quality seeds of kharif crops from certified source and sowing should be done after receiving sufficient rainfall.
- Due to chances of rainfall farmers are advised to avoid spraying of insecticides in chilli, brinjal and cucurbit crops
- Sowing of *kharif* okra should be done in this month

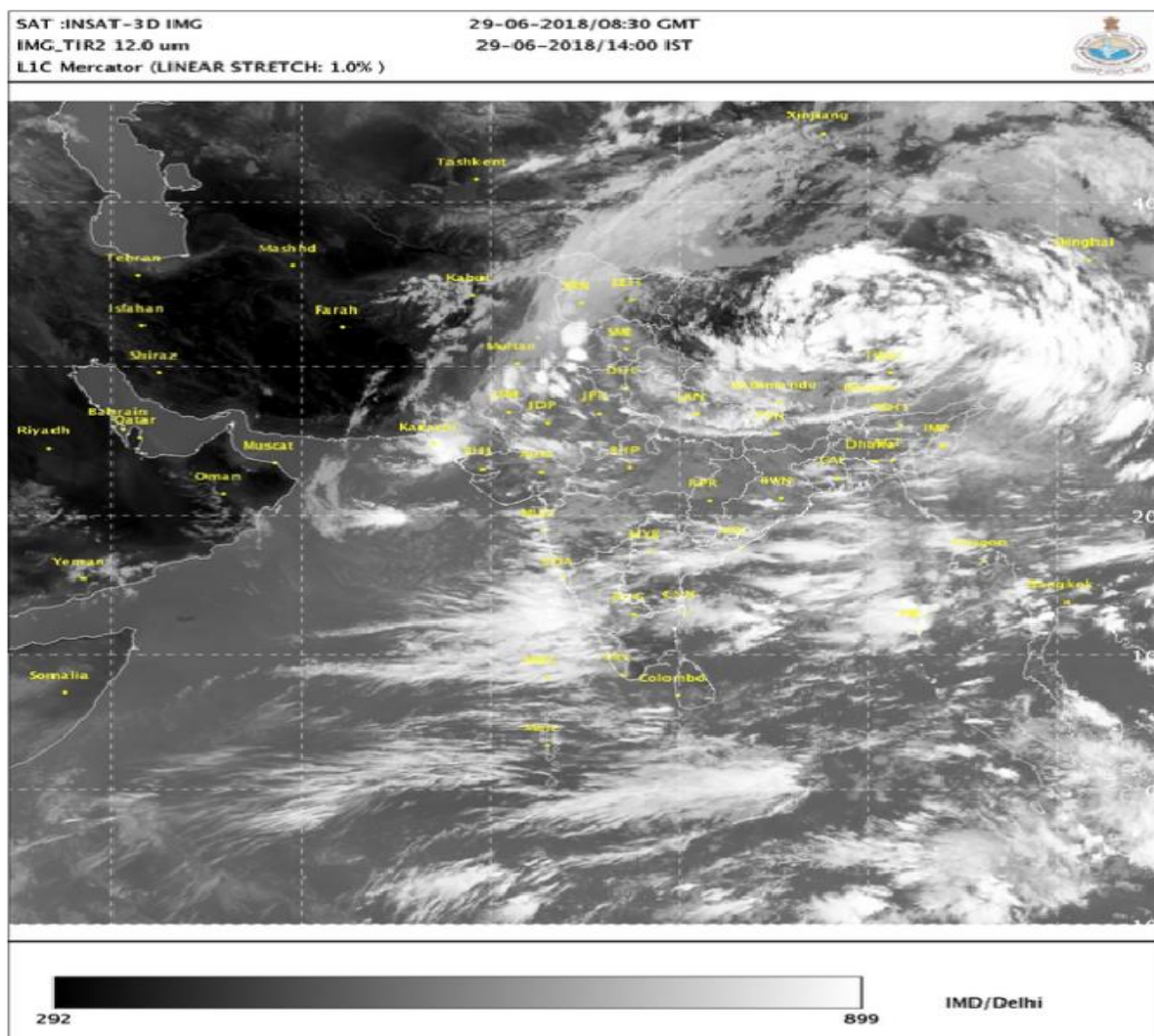


Figure: 1. Latest available satellite picture as on 29 June 2018 at 14:00 Hrs (IST)
(Source: IMD).

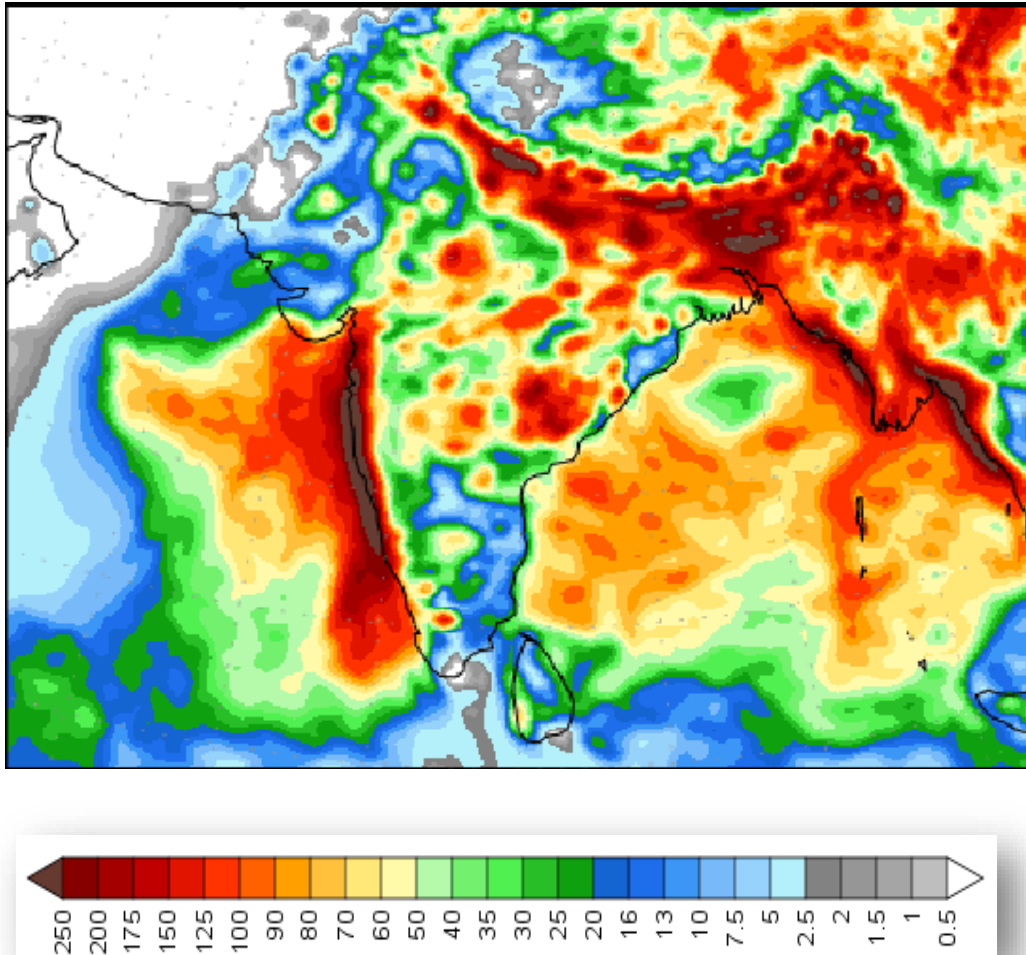


Figure: 2. Precipitation forecast for 28 June to 06 July 2018 (Source: NOAA NCEP).