

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 07 September 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The depression over northwest Odisha & neighborhood, moved northwestwards and lay centered at 0830 hrs IST of today, the 07th September, 2018 over north Chhattisgarh & neighbourhood near Lat. 22.9°N and Long. 83.3°E, about 30 km south of Ambikapur (Chhattisgarh) and 140 km east of Pendra Road (Chhattisgarh). It is very likely to move westnorthwestwards and further weaken into a well marked low pressure area during next 12 hours.
- Under the influence of above system, widespread rainfall with isolated heavy to very heavy falls are likely over Madhya Pradesh & Chhattisgarh during next 24 hours. Its likely westnorthwestward movement could cause an increase in rainfall activity over Rajasthan during next 48 hours with probable heavy to very heavy rains at isolated places over East Rajasthan on 08th September.
- Northeastern States and SubHimalayan West Bengal & Sikkim are likely to experience a sustained increase in rainfall activity from 8th September with probable extremely heavy falls during 10th-12th September. Southeastern parts of peninsular India, especially north Tamilnadu and adjoining areas of Karnataka & Rayalaseema might experience an increase in rainfall on 10th & 11th September. Elsewhere over the south peninsula and adjoining central India, the rainfall activity is likely to remain subdued during next 5 days.
- Heavy to very heavy rain observed at isolated places over Odisha & Chhattisgarh and heavy rain at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, SubHimalayan West Bengal, Jharkhand, Punjab, East Rajasthan and East Madhya Pradesh from 0830 hours IST of yesterday to 0830 hrs IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours IST of yesterday to 0830 hrs IST of today): Rain/thundershowers observed at most places over Bihar, West Bengal & Sikkim, East Madhya Pradesh, Chhattisgarh, Jharkhand, Odisha Konkan & Goa and Coastal Karnataka; at many places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Rajasthan and West Madhya Pradesh; at a few places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh, and

Vidarbha; at isolated places over Coastal Andhra Pradesh, Madhya Maharashtra, South Interior Karnataka, Kerala and Lakshadweep. Rainfall recorded at 0830 hours IST of today (4 cm or more) are: Raigarh & Chandbali¹³ each; Kalimpong⁹; Umari⁸; Sultanpur, Sawai Madhopur & Gangtok⁷ each; Pachmarhi, Churk & Tadong⁶ each; Jhansi, Khajuraho & Sultanpur⁵ each; Agra, Jharsuguda, Sambalpur, Kolkata (DumDum), Hirakud & Angul and Jorhat⁴ each.

- Maximum temperature departures as on 06/09/2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Uttarakhand and Tamilnadu; above normal (1.6°C to 3.0°C) at many places over Assam & Meghalaya, Rayalaseema and Tamilnadu; at a few places over Himachal Pradesh, Uttarakhand, Punjab and SubHimalayan West Bengal & Sikkim; at isolated places over Kerala, coastal Andhra Pradesh and West Uttar Pradesh. They were appreciably below normal (3.1° C to 5.0° C) at many places over West Madhya Pradesh and Vidarbha; at a few places over East Madhya Pradesh; at isolated places over East Rajasthan and below normal (1.6° C to 3.0° C) at a few places over Gangetic West Bengal; at isolated places over East Rajasthan, Madhya Pradesh and near normal over rest of the country. Yesterday, the highest maximum temperature of 40.5°C was recorded at Ganganagar (West Rajasthan) over the country.
- Minimum temperature departures as on 07/09/2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at a few places over Jammu & Kashmir, Uttarakhand, SubHimalayan West Bengal & Sikkim and south Interior Karnataka; at isolated places over Punjab, West Rajasthan, Gangetic West Bengal, Telangana, Assam & Meghalaya and Tamilnadu & Puducherry. They are below normal (1.6° C to 3.0° C) at many places over Marathwada; at a few places over Madhya Pradesh, Vidarbha and Saurashtra & Kutch; at isolated places over Gujarat region, Odisha and South Interior Karnataka and near normal over rest of the country..

Weather Warning during next 5 days (IMD)

- 07 September (Day 1): Heavy to very heavy rain at isolated places very likely over Madhya Pradesh and Chhattisgarh and heavy rain at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, West Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab, East Rajasthan, Konkan & Goa and Vidarbha.
- 08 September (Day 2): Heavy to very heavy rain at isolated places very likely over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and East Rajasthan and heavy rain at isolated places over Assam & Meghalaya, West Uttar Pradesh, Uttarakhand and West Madhya Pradesh.
- 09 September (Day 3): Heavy to very heavy rain at isolated places likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over SubHimalayan West Bengal & Sikkim, Uttarakhand and East Rajasthan.
- 10 September (Day 4): Heavy to very heavy rain with extremely heavy falls at isolated places likely over Arunachal Pradesh and Assam & Meghalaya; heavy to very heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura and SubHimalayan West Bengal & Sikkim and heavy rain at isolated places over Uttarakhand, East Uttar Pradesh and Tamilnadu.

- 11 September (Day 5): Heavy to very heavy rain with extremely heavy falls at isolated places likely over Arunachal Pradesh and Assam & Meghalaya; heavy to very heavy rain at isolated places over SubHimalayan West Bengal & Sikkim and heavy rain at isolated places over Uttarakhand, East Uttar Pradesh, Bihar, South Interior Karnataka, Tamilnadu and Nagaland, Manipur, Mizoram & Tripura.
- The weather outlook for the period of seven days i.e 07 to 13 September 2018 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Bihar, West Bengal & Sikkim, Jharkhand, Chhattisgarh, Madhya Pradesh, Odisha, Gujarat, Konkan & Goa, Madhya Maharashtra, Vidarbha, Marathwada, Telangana, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Assam

Weather condition

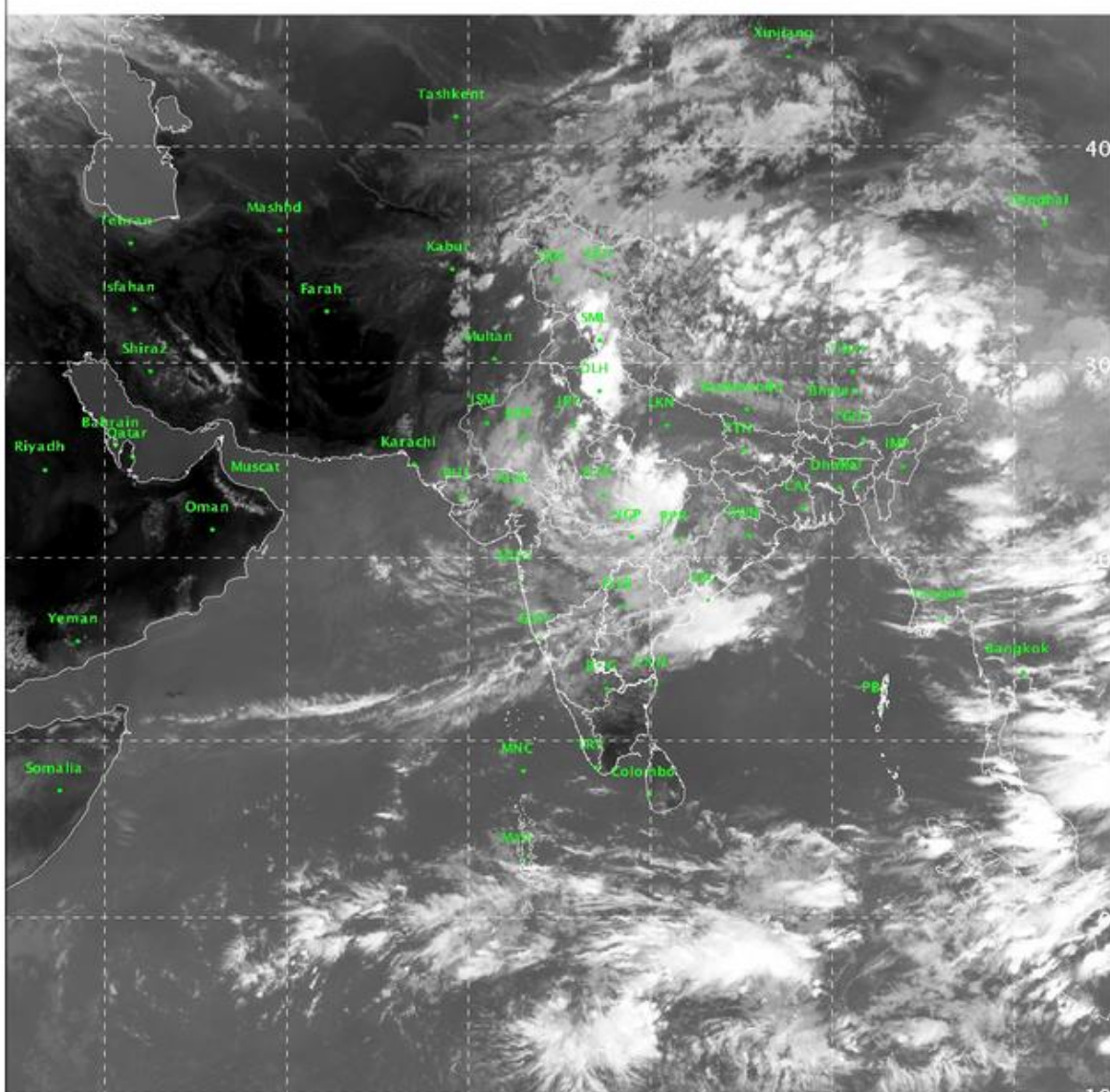
Light rainfall received in Assam state during past few days. Maximum temperature ranged from 29.0 to 32.0 °C and minimum, temperatures ranged from 24.0 to 26.0 °C.

Contingency measure:

- sali rice: In flood affected areas farmers are advised to grow rice varieties like Andrew Sali, Biraj, Monohar Sali, Kmj-1-19-1, Luit, Kapilee, etc by mid August.
- Sesamum (Summer): Collect and sow the recommended varieties of sesame like Gauri, Madhavi, Punjab Tall No-1 etc.
- Summer vegetables: Make provisions in the gardens so that excess rain-water is quickly drained out during the ensuing rainy season. If the attack of fruit fly, red pumpkin beetle and epilechna beetle in summer gourds may observed, spray endosulphon or malathion 50 EC @ 1 ml per litre in the field to control these insects when the weather is sunny.
- Gamosis disease in citrus plants can be controlled by draining excess water from the field. The affected portion should be scraped with a little extra healthy tissue without injure the wood and then smear Bordeaux paste(1.2 linseed oil).
- Sugarcane: The second earthing up of sugarcane should be done two months after the first earthing up. The second earthing up will transform the trenches/furrows into ridges. The furrows thus made in between the ridges will facilitate draiage of excess water during high rainfall. 6. Poultry: Poultry growers can use the hybrid variety of chicken like BV 300, Babcock, BV 380 etc for egg production purpose..

SAT :INSAT-3D IMG
IMG_TIR2 12.0 um
LIC Mercator (LINEAR STRETCH: 1.0%)

07-09-2018/10:00 GMT
07-09-2018/15:30 IST



IMD/Delhi

**Figure: 1. Latest available satellite picture as on 07 September 2018 at 1530 Hrs (IST).
(Source: IMD).**

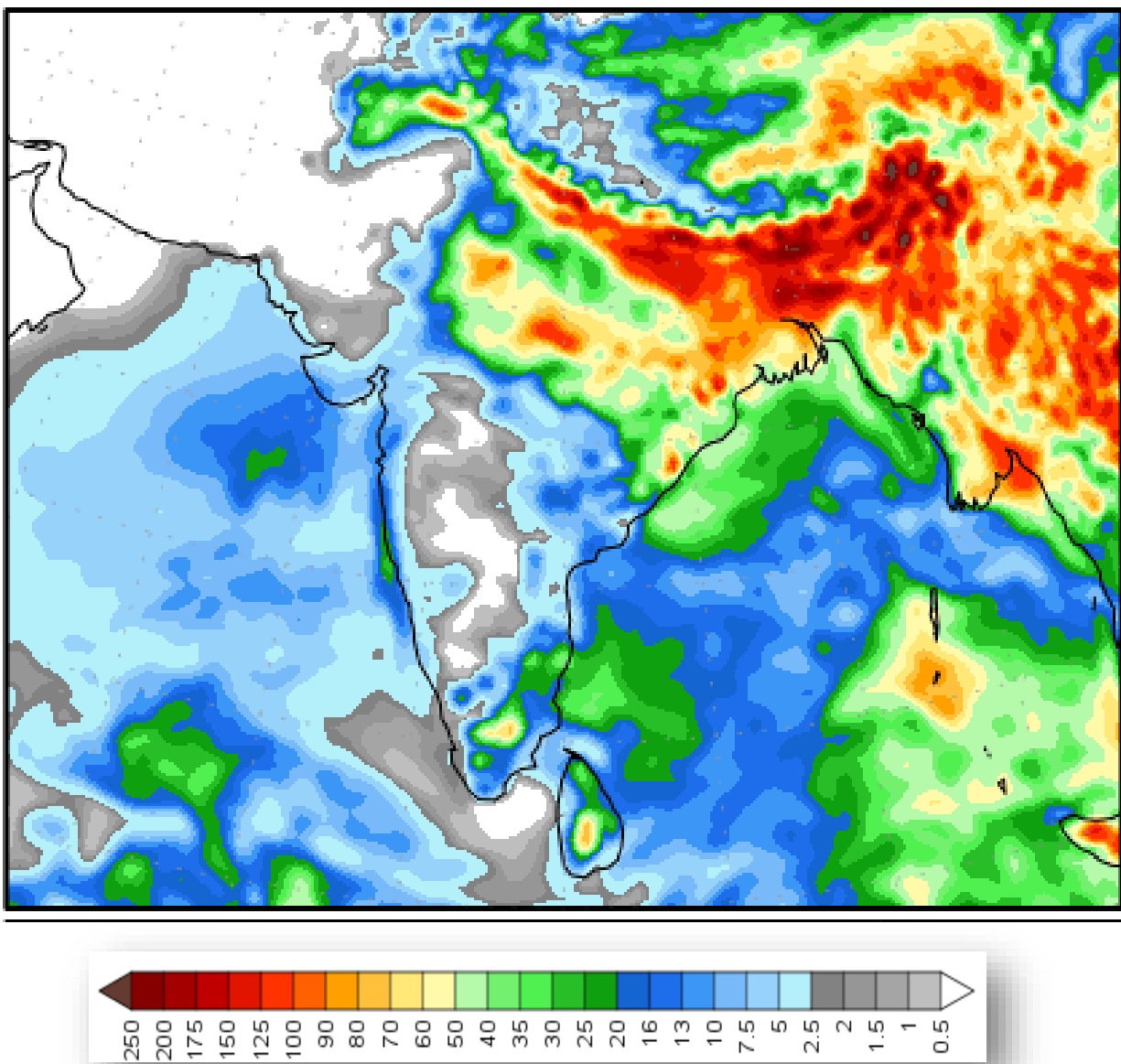


Figure: 2. Precipitation forecast for 07 to 16 September 2018 (Source: NOAA NCEP).