

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 17 September 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A low pressure area is very likely to develop over central & adjoining north Bay of Bengal during next 24 hours. It is likely to concentrate into a Depression and move west northwestwards towards north Andhra Pradesh south Odisha coasts during the subsequent 48 hours.
- Under its influence, adverse Sea conditions are very likely to prevail over south & central Bay of Bengal and Andaman Sea during 17th 19th September, along and off Andhra Pradesh coast during 18th 20th September & also a along Odisha West Bengal Coasts during 19th 21st September. Fishermen are advised not to venture into the above mentioned areas during the dates specified.
- As a consequence of the likely west northwestward movement of the system across Odisha, Chhattisgarh and Madhya Pradesh, enhanced rainfall activity is very likely over central & adjoining peninsular India and northern plains during 21st 25th September.
- Heavy to very heavy rainfall occurred at isolated places over Andaman & Nicobar Islands and Rayalaseema and heavy rainfall at isolated places over Odisha, Coastal Andhra Pradesh and Tamilnadu during 0830 hours IST of yesterday to 0830 hours 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 hours IST today): Rain/thundershowers observed at most places over Andaman & Nicobar Islands, Rayalaseema, ; at many places over Coastal Andhra Pradesh and Tamilnadu & Puducherry and Odisha; at a few places over Lakshadweep, Interior Karnataka and Madhya Maharashtra; and at isolated places over Gangetic West Bengal, Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya, Chhattisgarh, Coastal Karnataka, Konkan & Goa, Telangana, Marathwada, Gujarat region, Jharkhand and Madhya Pradesh.
- Maximum temperature departures as on 16.09.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura; at a few places over Lakshadweep, Interior Karnataka, Bihar, Sub Himalayan west Bengal & Sikkim, Assam & Meghalaya and Vidarbha and at isolated places over

Madhya Maharashtra, Kerala, Tamilnadu & Puducherry and Gangetic West Bengal; above normal (1.6°C to 3.0°C) at most places over East Uttar Pradesh, Telangana, Rayalaseema and Coastal Karnataka; at many places over Uttarakhand and Chhattisgarh; at a few places over Konkan & Goa and East Madhya Pradesh and at isolated places over West Madhya Pradesh, Himachal Pradesh and Saurashtra & Kutch. They were below normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir and at isolated places over Punjab and Andaman & Nicobar Islands and near normal over rest of the country.

- The highest maximum temperature of 38.5°C was recorded at Nellore (Coastal Andhra Pradesh) over the plains of the country.
- Minimum temperature departures as on 17.09.2018: Minimum temperature are above normal (1.6°C to 3.0°C) at many places over Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura; at a few places over Lakshadweep, Bihar, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim; and at isolated places over Kerala. They are below normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir; at a few places over Himachal Pradesh, East Rajasthan and West Madhya Pradesh; and at isolated places over East Uttar Pradesh, East Madhya Pradesh, Odisha, West Rajasthan, Gujarat, Madhya Maharashtra, Rayalaseema, South Interior Karnataka, Coastal Andhra Pradesh, Tamilnadu & Puducherry and Andaman & Nicobar Islands and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 17 September (Day 1): Heavy to very heavy rain at isolated places very likely over Andaman & Nicobar Islands and heavy rain at isolated places very likely over Coastal Andhra Pradesh, Rayalaseema and Tamilnadu & Puducherry. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh, Rayalaseema, Tamilnadu & Puducherry and Telangana. Rough to very rough sea conditions are very likely over south & central Bay of Bengal and Andaman Sea. Fishermen are advised not to venture into these areas.
- 18 September (Day 2): Heavy to very heavy rain at isolated places very likely over Andaman & Nicobar Islands and heavy rain at isolated places very likely over Tamilnadu & Puducherry and Coastal Andhra Pradesh. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh, Rayalaseema, Tamilnadu & Puducherry and Telangana. Rough to very rough sea conditions are very likely over south & central Bay of Bengal, Andaman Sea and along & off Andhra Pradesh coast. Fishermen are advised not to venture into these areas.
- 19 September (Day 3): Heavy rain at isolated places very likely over Nagaland, Manipur, Mizoram & Tripura, Odisha, Andaman & Nicobar Islands and Coastal Andhra Pradesh. Rough to very rough sea conditions are very likely over south & central Bay of Bengal, Andaman Sea and along & off Andhra Pradesh West Bengal Odisha coasts. Fishermen are advised not to venture into these areas.
- 20 September (Day 4): Heavy to very heavy rain with extremely heavy falls at isolated places likely over Odisha; heavy to very heavy rain at isolated places likely over Coastal Andhra

Pradesh and heavy rain at isolated places likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand and Telangana. Thunderstorm accompanied with lightning likely at isolated places over Telangana. Rough to very rough sea conditions are likely over West Bengal Odisha Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.

- 21 September (Day 5): Heavy to very heavy rain at isolated places likely over Odisha and heavy rain at isolated places likely over Gangetic West Bengal, Coastal Andhra Pradesh, Chhattisgarh and Telangana. Thunderstorm accompanied with lightning likely at isolated places over Telangana. Rough to very rough sea conditions are likely over West Bengal and Odisha coasts. Fishermen are advised not to venture into these areas.
- The weather outlook for the period of seven days *i.e* 17 to 23 September 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Gangetic West Bengal, Sub Himalayan West Bengal & Sikkim, Jharkhand, Madhya Pradesh, Chhattisgarh, Odisha, Gujarat region, Konkan & Goa, Marathwada, Madhya Maharashtra Rayalaseema, Coastal Andhra Pradesh, Telangana, Interior Karnataka, Coastal Karnataka, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Haryana

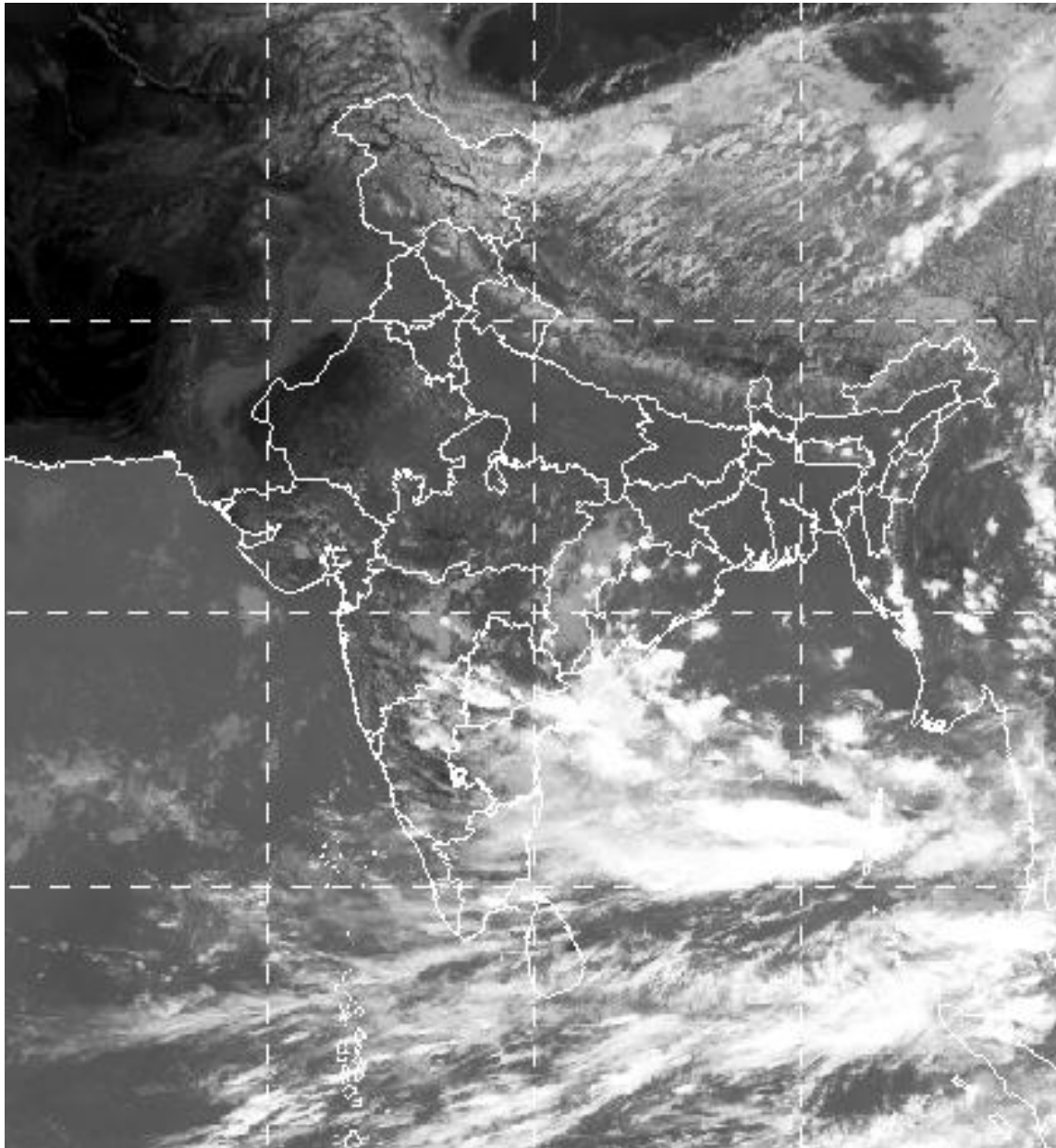
Weather condition

Light rainfall received in Haryana state during past few days.

Contingency measure:

- General Advisory: Likely dry weather prevalent during the period. Chances of light to moderate rain/thundershowers associated with light winds likely at isolated places on 13th September. Weather may change thereafter.
- Rice: Farmers are advised to do the weed management and maintain 5-6 cm water level in rice fields. Due to favourable conditions, farmers are advised to keep vigil on insect/pest in rice crop.
- Cotton: Due to favourable weather condition may be chance for infestation of Jassids in cotton crop; farmers are advised to keep on vigilance. Keep weather in mind while doing intercultural operations.
- Bajra: Due to dry weather farmers are advised to do harvesting in matured bajra crop.
- Sugarcane: Farmers are advised to keep on vigilance for insect/pests in sugarcane crop.

- Vegetables/ Fruit Crops: Farmers are advised to do intercultural operation to conserve soil moisture. Keep vigil for sucking insect-pest insect pest due to prevailing high humidity in the environment /atmosphere.
- Live Stock: Farmers are advised to keep the animals under well ventilated place and provide clean drinking water and green forage as per requirement. Provide the 50 grams iodized salt and 50 to 100 grams mineral mixture daily with feed & green fodder to keep them healthy. Keep clean around the animal shed to avoid the infestation of house fly, mosquitoes/others.



**Figure: 1. Latest available satellite picture as on 17 September 2018 at 0230 Hrs (IST).
(Source: IMD).**

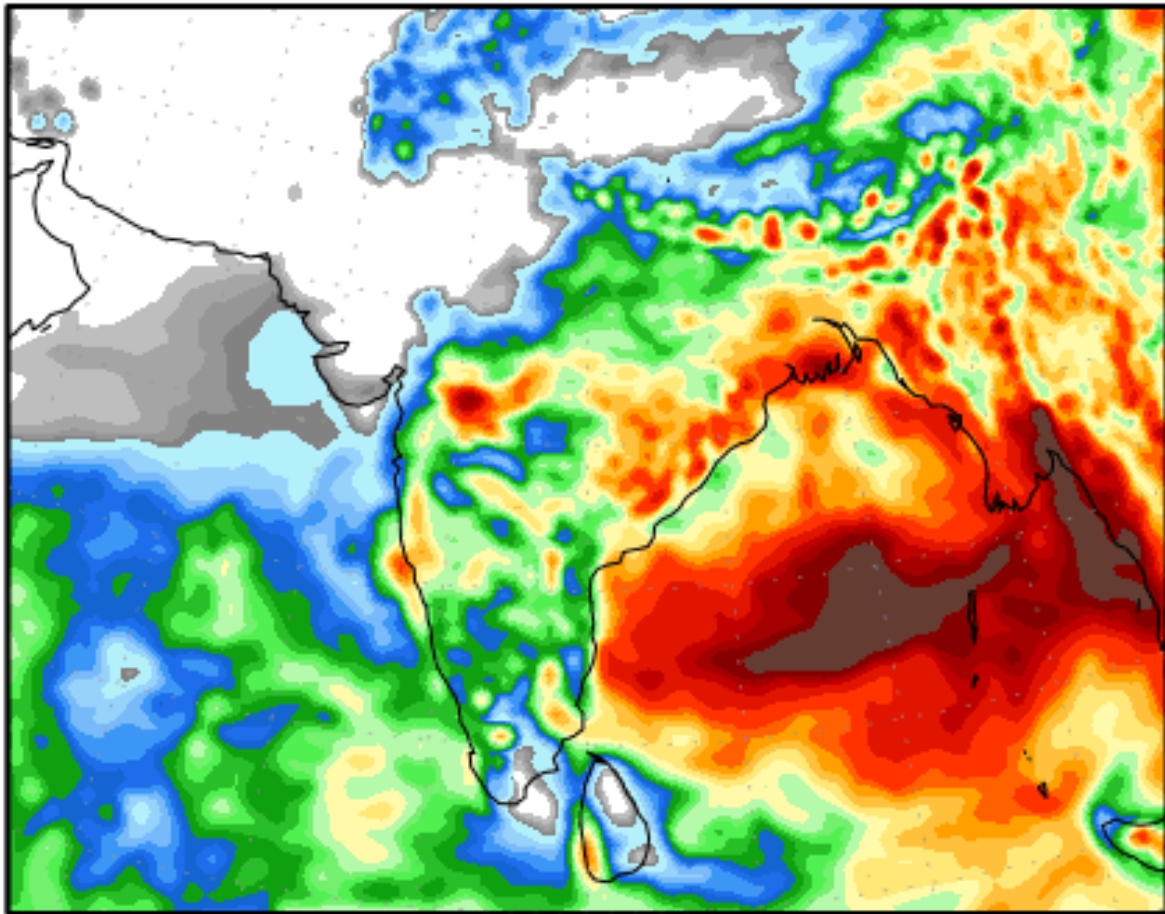


Figure: 2. Precipitation forecast for 17 to 23 September 2018 (Source: NOAA NCEP).