

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 19 September 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The low pressure area over eastcentral Bay of Bengal and neighborhood now lies as a well marked low pressure area over the same region. It is very likely to concentrate into a Depression during next 12 hours and intensify into a Deep Depression during the subsequent 12 hours. The system is very likely to move west northwestwards towards north Andhra Pradesh south Odisha coasts and cross south Odisha north Andhra Pradesh coasts between Kalingapatnam & Puri during late night of 20th & early morning of 21st September.
- Under its influence, winds speed reaching 35-45 kmph becoming 45-55 kmph are very likely to occur from today evening onwards and further increase upto 55-65 kmph gusting to 75 kmph from tomorrow morning over & around the system center and along & off Andhra Pradesh Odisha West Bengal coasts. Adverse Sea conditions are also very likely to continue over south Bay of Bengal and Andaman Sea during 48 hours. Fishermen are advised not to venture into the above mentioned areas during this period.
- As a consequence of the likely west northwestward movement of the system across central India, enhanced rainfall activity is very likely over Odisha, Andhra Pradesh, Telangana, Jharkhand & Gangetic West Bengal during next 48 hours and over central & adjoining peninsular India and northwest India during 21st 25th September.
- 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 Lakshadweep and Andaman & Nicobar Islands; at many places over south Coastal Andhra Pradesh and Rayalaseema; at a few places over Coastal Karnataka and Kerala; at isolated places over East Rajasthan, West Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Konkan & Goa, Madhya Maharashtra, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathwada, North Interior Karnataka, Telangana and Tamilnadu & Puducherry.
- Maximum temperature departures as on 18.09.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at a few places over Uttarakhand, Sub Himalayan West Bengal & Sikkim and Bihar; above normal (1.6°C to 3.0°C) at most places over

Odisha; at many places over West Rajasthan, Vidarbha and Konkan & Goa; at a few places over Jammu & Kashmir, Madhya Pradesh, East Uttar Pradesh, Jharkhand and south Madhya Maharashtra; at isolated places over East Rajasthan, Karnataka and Tamilnadu & Puducherry. They were below normal (1.6°C to 3.0°C) at a few places over Andaman & Nicobar Islands; at isolated places over south Coastal Andhra Pradesh and near normal over rest of the country.

- The highest maximum temperature of 39.0°C recorded at Ganganagar, Bikaner & Jaisalmer (West Rajasthan) over the plains of the country.
- Minimum temperature departures as on 19.09.2018: Minimum temperature are above normal (1.6°C to 3.0°C) at most places over Sub Himalayan West Bengal & Sikkim; at a few places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Gangetic West Bengal, Rajasthan and Gujarat region. They are below normal (1.6°C to 3.0°C) at isolated places over West Uttar Pradesh, south Madhya Pradesh, south Coastal Andhra Pradesh, north Tamilnadu & Puducherry, Rayalaseema and Andaman & Nicobar Islands and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 19 September (Day 1): Heavy rain at isolated places very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Odisha, Coastal Andhra Pradesh, Telangana, Rayalaseema and Tamilnadu & Puducherry. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh, Telangana, Interior Karnataka, Konkan & Goa and Madhya Maharashtra. 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 2): Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over Odisha; Heavy to very heavy rain with extremely heavy falls at isolated places very likely over north coastal Andhra Pradesh; heavy to very heavy rain at isolated places very likely over Chhattisgarh & Telangana and heavy rain at isolated places very likely over Gangetic West Bengal, Jharkhand, Rayalaseema and Karnataka. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh, Telangana and Interior Karnataka. Rough to very rough sea conditions are very likely over south, central & north Bay of Bengal, Andaman Sea and along & off Andhra Pradesh West Bengal Odisha coasts. Fishermen are advised not to venture into these areas.
- 21 September (Day 3): Heavy to very heavy rain at isolated places very likely over Odisha, Vidarbha and Chhattisgarh; heavy rain at isolated places very likely over Assam & Meghalaya, Gangetic West Bengal, Jharkhand, Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, Telangana and Karnataka. Rough to very rough sea conditions are very likely over westcentral & north Bay of Bengal and along & off Andhra Pradesh West Bengal Odisha coasts. Fishermen are advised not to venture into these areas.
- 22 September (Day 4): Heavy to very heavy rain at isolated places likely over East Rajasthan and heavy rain at isolated places likely over Assam & Meghalaya, West Uttar Pradesh,

Uttarakhand, Haryana, Chandigarh & Delhi, Himachal Pradesh, Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada and Vidarbha.

- 23 September (Day 5): Heavy to very heavy rain at isolated places likely over Uttarakhand, Haryana, Chandigarh & Delhi, Punjab and Himachal Pradesh and heavy rain at isolated places likely over West Uttar Pradesh and Rajasthan.

Agricultural activities (AICRPAM-CRIDA)

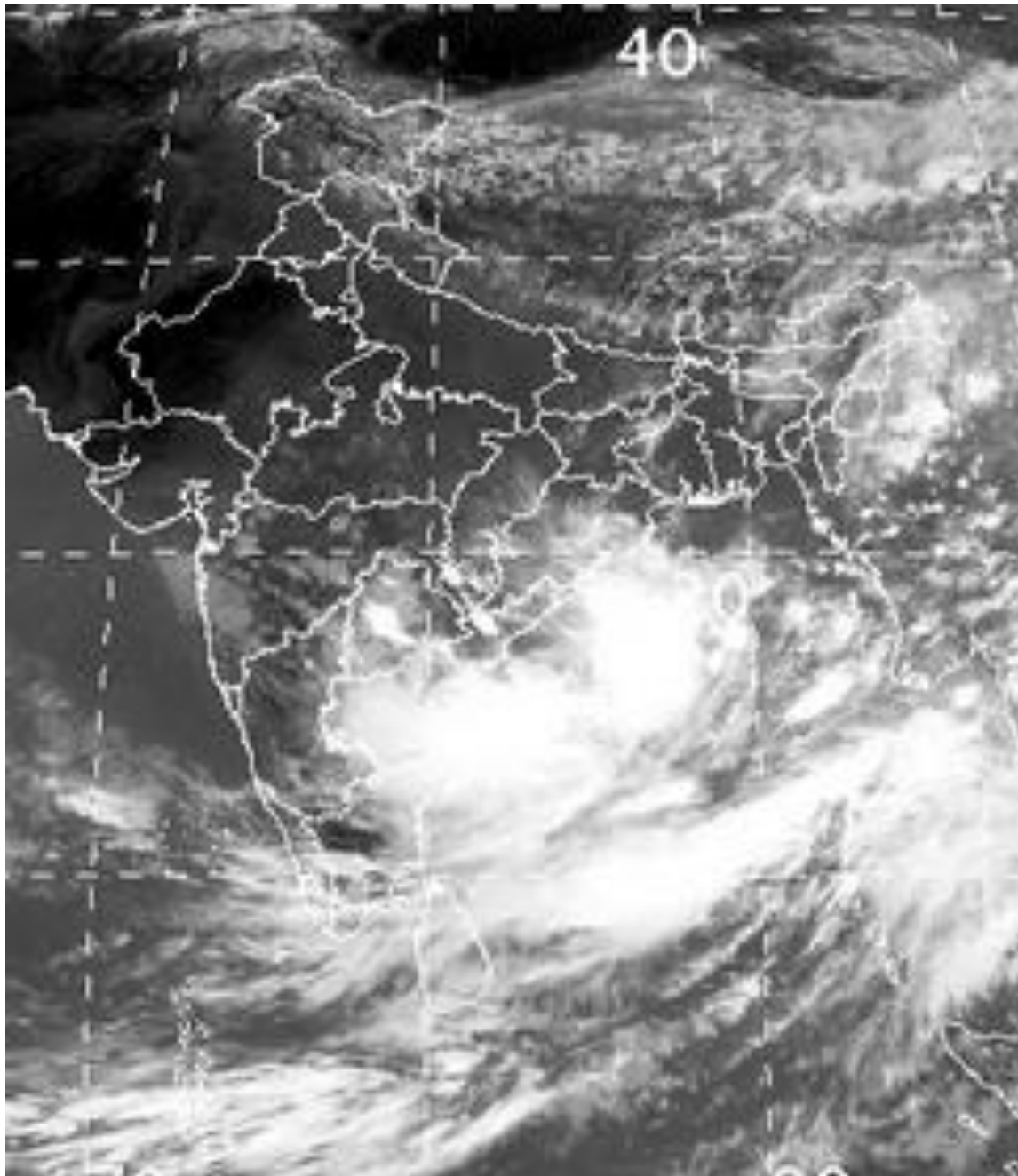
Andhra Pradesh

Weather condition

Light rainfall received in Andhra Pradesh state during past few days. The state as a whole received normal rainfall (-16%) 23.2 mm against the normal rainfall of 27.7 mm.

Contingency measure:

- Sowing of direct sown rice and transplanting can be continued in Srikakulam, Vizianagaram, Vishakhapatnam under assured irrigation and utilizing canal water in East, West Godavari, Krishna and Guntur districts. Farmers are advised to select short and medium duration varieties like MTU 1010, MTU 1156 and MTU 1153.
- Farmers can take up planting of chilli, turmeric, tobacco in Krishna, Guntur, Prakasam districts under assured irrigation. Farmers of Ananthapuramu, Kurnool, Kadapa and Chittoor districts can take up sowing of contingency crops like horsegram, fodder Jowar and fodder bajra utilizing the rainfall received during the week.
- Incidence of fall army worm is observed in maize crop in Ananthapuramu, Chittoor, Kurnool, Srikakulam, East Godavari districts. Farmers are advised to take up spraying of Emamectin Benzoate @ 0.5 g/l or Lambda cyhalothrin @ 1ml/ l of water for control of fall army worm. Incidence of sucking pests observed in early sown groundnut crop in Ananthapuramu, Kurnool, Chittoor districts. Farmers are advised to spray monochrotophos @ 1.6ml/l or Dimethoate @ 2ml/l of water for control of sucking pests.
- Farmers are advised to spray mancozeb 2g/l and carbandazim 1g/l for control. Incidence of sucking pests observed in cotton crop in Krishna, Ananthapuramu, Kurnool districts. Farmers are advised to spray Imidacloprid @ 0.4 ml/l or acetamiprid @ 0.2g/l or acephate @ 1.5g/l or monochrotophos @ 1.6 ml/l for control of sucking pests.
- Pink boll worm incidence is observed in western mandals of Kurnool district in early sown (May, June) cotton crop. Farmers are advised to observe rosette flowers and sampling of green bolls regularly for monitoring. If incidence is noticed spraying of Quinalphos @ 2ml/lit or Chlorpyrifos @ 2.5 ml/ lit or Thiodicarb @ 1g/lit is recommended. Destroy rosette flowers and remove the dropped squares, dried flowers and premature bolls to suppress the pest population periodically.



**Figure: 1. Latest available satellite picture as on 19 September 2018 at 0230 Hrs (IST).
(Source: IMD).**