



National Agromet Advisory Service Bulletin Based on Extended Range Weather Forecast (ERFS)

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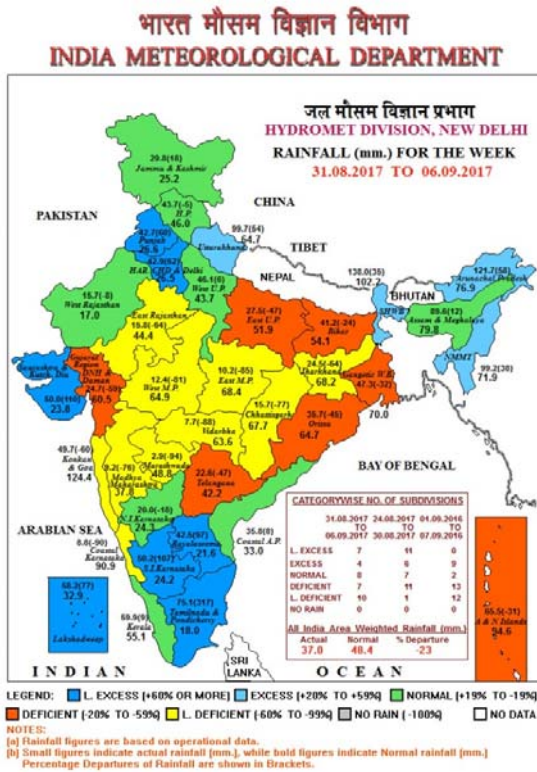
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India Meteorological Department

Realized Rainfall and Extended Range Forecast

Realized Rainfall

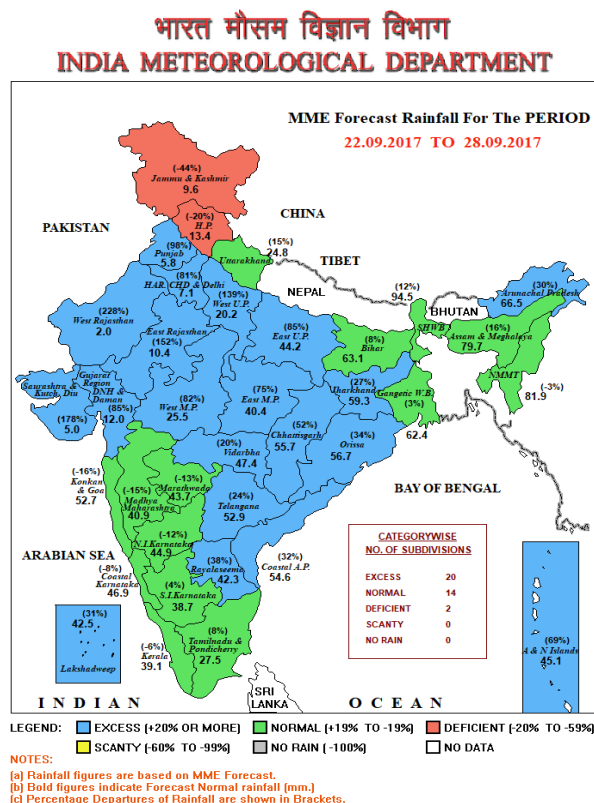
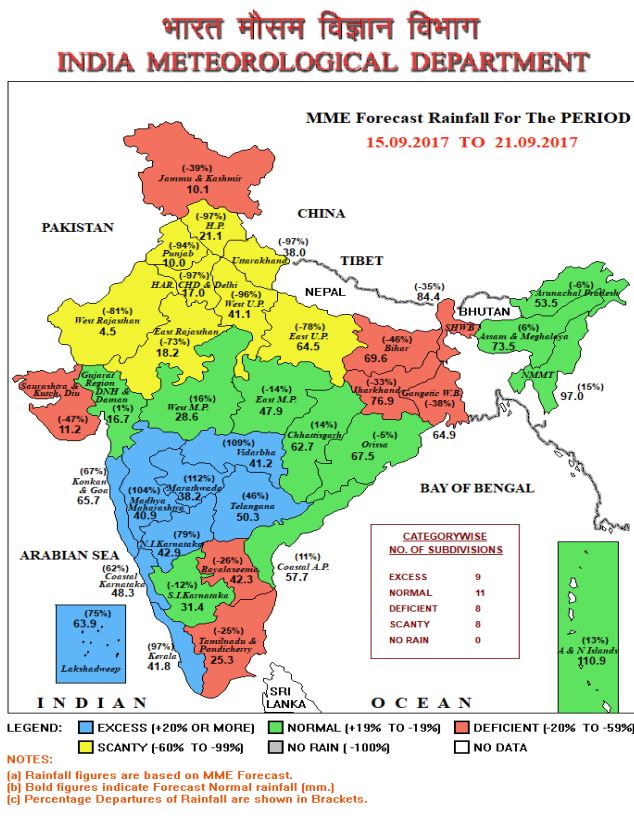
(31st August to 13th September 2017)



- Normal or above normal rainfall occurred during last two weeks in Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Interior Karnataka, Rayalaseema, Tamil Nadu, Kerala and Lakshadweep.
- Normal or above normal rainfall occurred in either of the last two weeks in Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana & Delhi, West Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, West Rajasthan, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh.
- Below normal rainfall occurred in the last two weeks over East Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal, East Rajasthan, Madhya Pradesh, Chhattisgarh, Odisha, Telangana, Coastal Karnataka and Andaman & Nicobar Islands.

Extended Range Forecast System

Subdivision-wise rainfall forecast maps for the next 2 weeks (IC – 13 September) (15th to 28th September 2017)



- Extended Range Forecast (ERF) indicates that, during week 1 (15 – 21 September), the monsoon activity will be mainly over the southern peninsula and adjoining central India (towards the western coastal region). Above normal rainfall is expected over western coastal met subdivisions of India (except Saurashtra), Maharashtra, Telangana and north Interior Karnataka. Normal rainfall is likely over the NE states, central belt of India over Odisha, Chhattisgarh, MP, Gujarat; Coastal Andhra Pradesh and south Interior Karnataka. Whereas, remaining parts of central India, North-western India and northern India are likely to witness subdued rainfall activity. For the country as a whole it is expected to be close to normal with southern peninsula and central India remains above normal and NE & NW expected to be below normal.
- During week 2 (22 – 28 September), the monsoon condition is likely to improve during the week compared to previous week with formation of a system over the Bay of Bengal off Odisha coast. Most of the India is expected to get above normal or normal rainfall during the week except extreme northern India. Above normal rainfall is expected over all the 4 homogeneous regions with NW India and Central India showing higher positive departure.

Strategic Agricultural Planning based on rainfall during next two weeks till
28th September 2017
Agromet Advisories

Deficit rainfall areas

Maharashtra

Rainfall received in major meteorological sub-divisions of the state are as follows:

Vidarbha – 652 mm (27% deficit); Marathwada – 573 mm (4% deficit); Madhya Maharashtra - 745 mm (16% surplus) and Konkan - 2768 mm (equal to normal)

The extended range weather forecast provided for next two weeks (15-21 and 22-28 September) for different subdivisions of Maharashtra are: Vidarbha (above normal for both weeks); Marathwada (above normal and normal); Madhya Maharashtra (above normal and normal) and Konkan (above normal and normal).

Vidarbha

- As above normal rainfall is forecasted for both the weeks, undertake harvesting of matured green gram/black gram and store the produce in safe storage
- Undertake intercultural operations (weeding/hoeing) in cotton/pigeonpea to control weeds and improve surface tilth for better rain water conservation. At last hoeing, open furrow between two rows by tying the ropes to hoe for better *in-situ* conservation of rainwater, particularly in late sown condition.
- Withhold the irrigation, application of fertilizers and plant protection chemicals as above normal rainfall is forecasted, unless it is necessary.

Madhya Pradesh

East Madhya Pradesh has received 699 mm rainfall (29% deficit) and West Madhya Pradesh has received 631 mm rainfall (22% deficit), so far during the season.

The extended range weather forecast provided for next two weeks (15-21 and 22-28 September) for different subdivisions of Madhya Pradesh are: East Madhya Pradesh (normal and above normal); West Madhya Pradesh (normal and above normal). The following advisories may be followed after the forecasted spell of normal rainfall.

- Soybean: Due to cloudy weather and high temperature the infestation of stem fly is seen in the fields. Apply Dimethoate 30 EC 650 ml or Thiomethoxam 25 WG @ 100 gram per hectare.
- Paddy: The crop is in ear head emergence stage. Infestation of gundhi bug is reported in the fields. Apply quinalphos 25 EC @ 1 liter per hectare to control it.

Uttar Pradesh

Western UP has received 443 mm (38% deficit) and Eastern UP has received 590 mm (28% deficit) rainfall so far during the season.

The extended range weather forecast provided for next two weeks (15-21 and 22-28 September) for different subdivisions of Uttar Pradesh are: Western UP (below normal, above normal); Eastern UP (below normal, above normal)

- As subdued rainfall has caused moisture stress, provide irrigation wherever possible to paddy and maize.
- Wherever maize is in maturity stage, harvesting is advised as above normal rainfall is forecasted during 22-28 Sept.
- Wherever root weevil infestation is noticed in paddy, apply Phorate-10 G @ 10 kg/ha.

Haryana, Chandigarh & Delhi

The sub-division has received 312 mm rainfall so far during the season, which is 29% deficit compared to the normal rainfall for the same period. The extended range weather forecast provided for next two weeks (15-21 and 22-28 September) for Haryana, Chandigarh & Delhi is: below normal and above normal, respectively.

Haryana

- As below normal rainfall is forecasted in the coming week, apply irrigation to paddy as the crop is in ear development stage.
- Cotton: present weather condition is congenial for incidence of myrothecium leaf spot and bacterial blight in Western Haryana. To control these, spray 800 gram copper oxychloride in 250 liter water per acre, during clear sky conditions.

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