



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

Validity: 1 - 14 September 2017

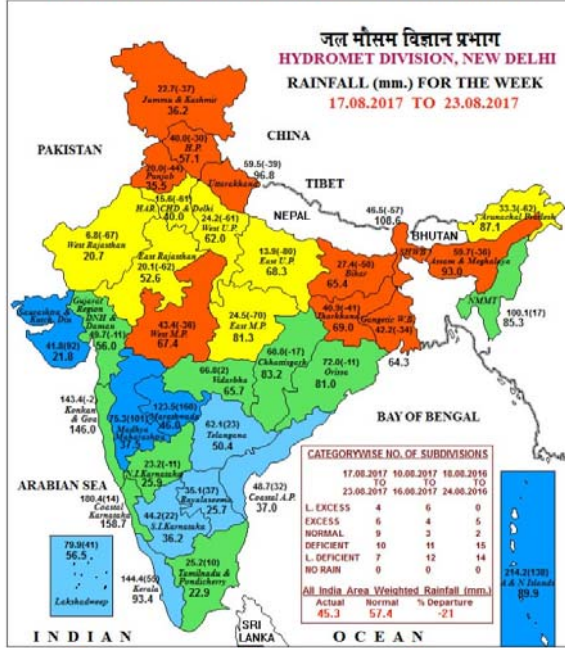
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India Meteorological Department

Realized Rainfall and Extended Range Forecast

Realized Rainfall (17th to 30th August 2017)

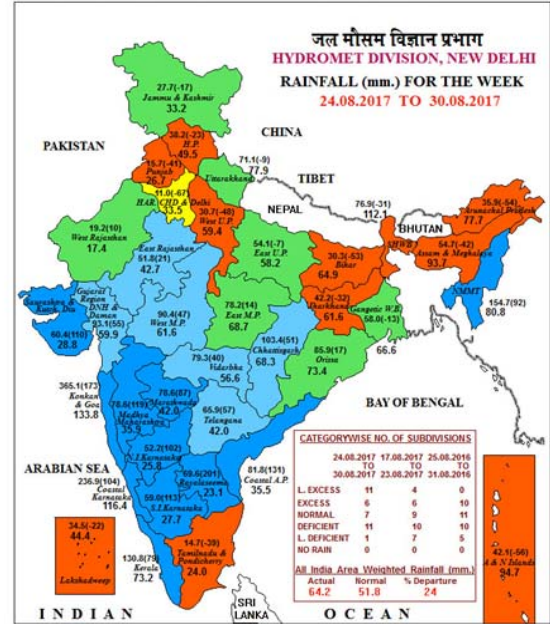
भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+15% TO -19%)
■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

NOTES:
 (a) Rainfall figures are based on operational data.
 (b) Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
 Percentage Departures of Rainfall are shown in Brackets.

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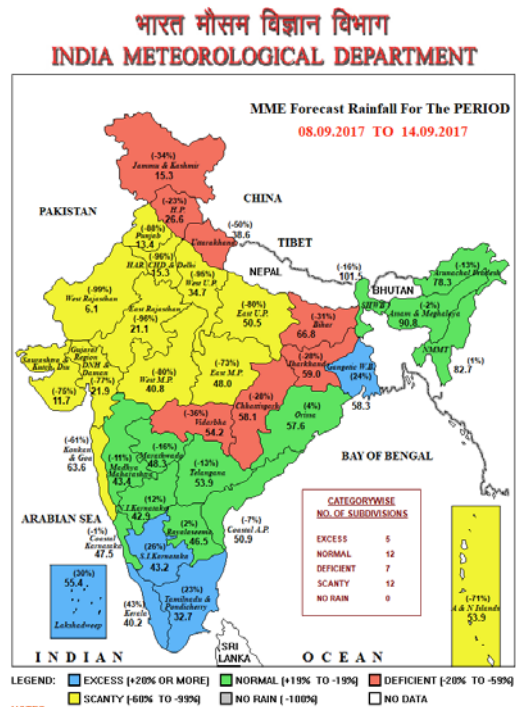
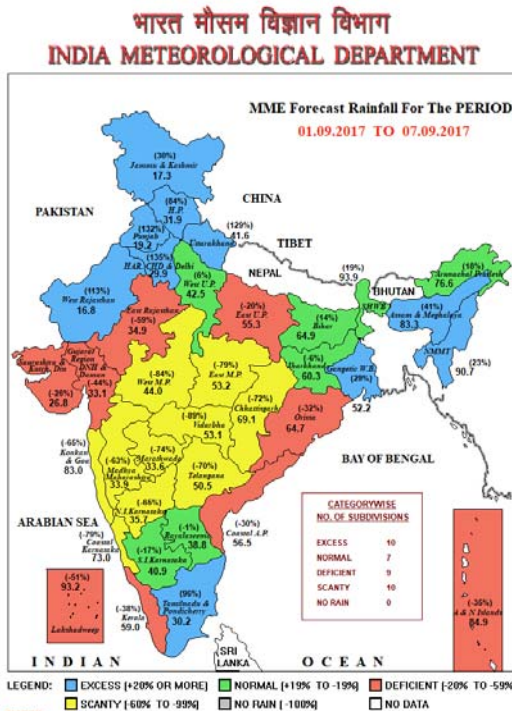
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 (a) Rainfall figures are based on operational data.
 (b) Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
 Percentage Departures of Rainfall are shown in Brackets.

- Normal or above normal rainfall occurred during last two weeks in Gujarat State, Maharashtra, Chhattisgarh, Odisha, Nagaland, Manipur, Mizoram and Tripura, Karnataka, Andhra Pradesh and Kerala.
- Normal or above normal rainfall occurred in either of the last two weeks in Jammu & Kashmir, Uttarakhand, Rajasthan, Madhya Pradesh, East Uttar Pradesh, Gangetic West Bengal, Tamil Nadu, Lakshadweep and Andaman & Nicobar Islands.

Below normal rainfall occurred in the last two weeks over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Arunachal Pradesh.

Extended Range Forecast System

Subdivision wise rainfall forecast maps for the next 2 weeks (IC - 30 August) (1st to 14th September 2017)



- Extended Range Forecast (ERF) indicates that, during week 1 (01 – 07 September), the monsoon is expected to be active over parts of Northern India, Northwest India, (Western parts of Rajasthan, Punjab, Haryana, Uttarakhand, northern parts of UP, parts of north Gujarat), foot hills of Himalayas, NE states and adjoining GWB, Jharkhand and Bihar, Tamil Nadu and isolated areas over the eastern coastal region of India. Whereas, most of the central India, western India and remaining parts of south peninsula will be with subdued rainfall activity. For the country as a whole it is expected to be slightly below normal.
- During week 2 (08 – 14 September), South peninsula and parts of eastern coastal states and NE states will be active, whereas, most of central India, NW India and Northern India monsoon will be subdued. For the country as a whole it is expected to be below normal.

Strategic Agricultural Planning based on rainfall during next two weeks till

14th September 2017

Agromet Advisories

Deficit rainfall areas

Kerala

The state as a whole has received 1422 mm rainfall so far during the season, which is 21% deficit compared to the normal rainfall during the season. According to the extended range weather forecast, deficient and excess rainfall is predicted over Kerala during September 1-7 and September 8-14, respectively.

- Vegetables: There are chances of occurrence of mites and trips in vegetables. Apply 8 ml Spiromesifen in 10 litre of water.
- Ginger/ Turmeric: Rhizome rot may attack on ginger and turmeric during this season. The affected plants should be dig out and treat with Kocide 2 gm per liter of water.
- Coconut/Arecanut: As a prophylactic measure to control bud rot, apply 1% Bordeaux mixture on the tender leaf axils.
- Banana: Erwinia rot disease may appear in the banana plantations. As a precaution, apply lime in the banana basin or bleaching powder in the irrigation channels.

Karnataka

The rainfall received from 1st Jun to 30th August over north interior Karnataka is 315 mm against the normal of 360 mm, which is 12% deficit. However, south interior Karnataka received 417 mm against the normal of 519 mm, which is 21% deficit. Coastal Karnataka is under normal rainfall condition. The extended range weather forecast provided for next two weeks (1-7 September and September 8-14) for different subdivisions of Karnataka are: South Interior Karnataka: normal and excess; North Interior Karnataka: Scanty and Normal; Coastal Karnataka: Scanty and Normal.

South Interior Karnataka

- As the normal to excess rainfall condition is forecasted for next two weeks, postpone the plant protection measure in next couple of days due to high wind speed, cloudy and medium rainfall weather.
- Staking of vegetables may be carried out to avoid their lodging due to high wind and excess rainfall.
- The following crops are suggested for sowing in this month (August), wherever sufficient moisture is available

Medium to short duration crops like ragi (Indaf-5, GPU-26, 28, 45 & 48, PR-202), maize (Ganga, Deccan, Vijaya composite and Composite NAC), cowpea (KBC-1, TVX-944) and PKB-4 for vegetable purpose.

Maharashtra

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

Vidarbha – 598 mm (24% deficit); Marathwada – 495 mm (4% deficit); Madhya Maharashtra- 662 mm (15% surplus) and Konkan- 2659 mm (4% surplus)

The extended range weather forecast provided for next two weeks (1-7 September and September 8-14) for different subdivisions of Maharashtra are: Vidarbha (scanty and deficient); Marathwada (scanty and normal); Madhya Maharashtra (scanty and normal) and Konkan (scanty and scanty).

Vidarbha

- Foliar spray of 2% Urea (200 g Urea +10 litre water) at flowering stage and 2% DAP at boll development stage is advisable for better productivity in cotton.
- Undertake harvesting of matured green gram crop with protected drying.
- To control the sucking pests in cotton, spray Azadirachtin 0.03% @ 30 ml or Acetameprid 20% SP@ 4.0 g or Thiamethoxam 25 wp @ 4.0 g per 10 litres of water.
- For control of girdle beetle in soybean, undertake spraying of Chlorantraniliprole 18.5% @ 3 ml SC or Profenofos 50% EC @ 20 ml or Ethion 50% EC @ 30 ml or Thiacloprid 21.7 % SC @ 15 ml or Triazophos 40% EC @ 12.5 ml per 10 litres of water.

Madhya Pradesh

The state as a whole has received 1237 mm rainfall so far during the season, which is 20% deficit compared to the normal rainfall during the season. The extended range weather forecast provided for next two weeks (1-7 September and September 8-14) for different subdivisions of Madhya Pradesh are: West Madhya Pradesh (scanty and scanty); East Madhya Pradesh (scanty and scanty).

- There are chances of occurrence of semilooper, white fly and hairy caterpillar in soybean. As there is no rainfall forecasted for the next two weeks, the control measures can be taken.
- Weeds may appear as a result of alternate wetting and drying in direct seeded rice. The weeding and other interculture operation should be carried out.
- To control the blast disease of paddy, spray Carbendazim @ 2g per litre of water.
- There are chances of incidence of sucking pests in tomato, chilli, brinjal and okra. Spray Dimethoate @ 750 ml/ha in 500-600 litre of water at the interval of 10 days during the days of clear sky.

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