



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

Validity: 25 August - 7 September 2017

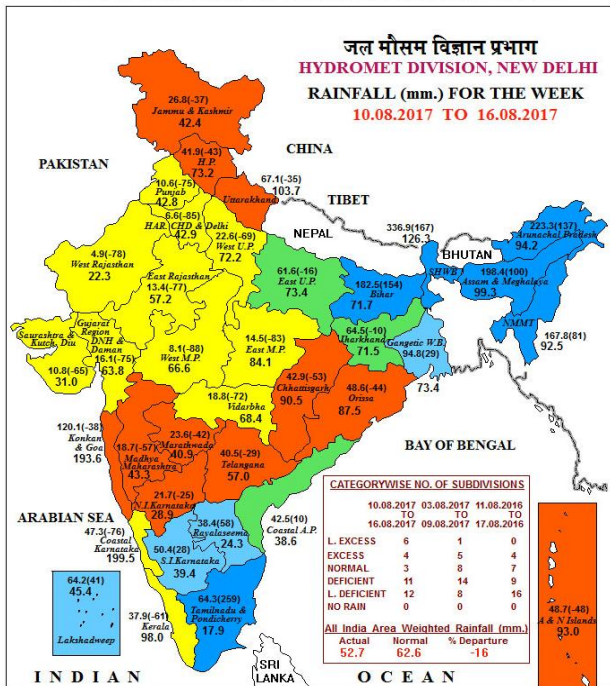
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&
Earth System Science Organization
India Meteorological Department**

Realized Rainfall and Extended Range Forecast

Realized Rainfall (10th to 23rd August 2017)

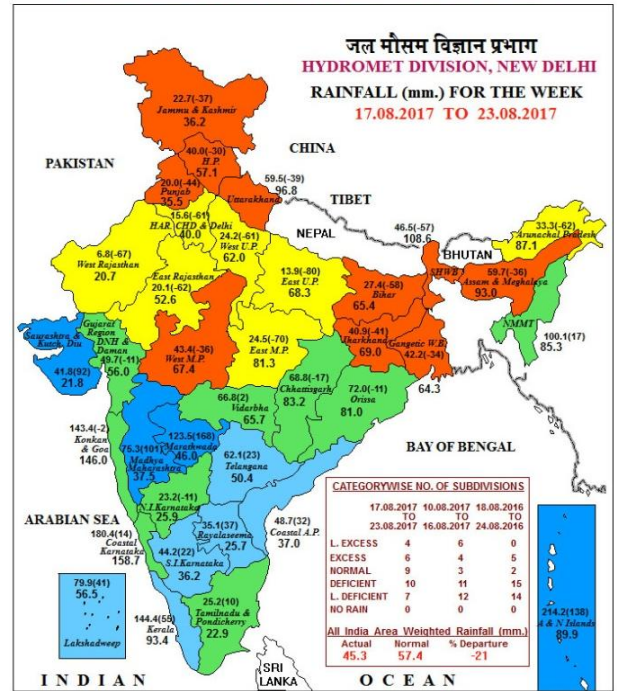
भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



LEGEND: L. EXCESS (+60% OR MORE) EXCESS (+20% TO +59%) NORMAL (+19% 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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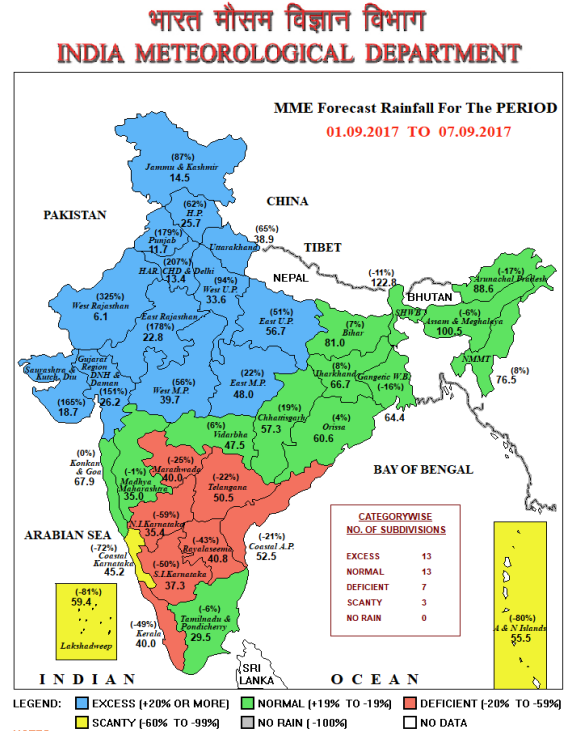
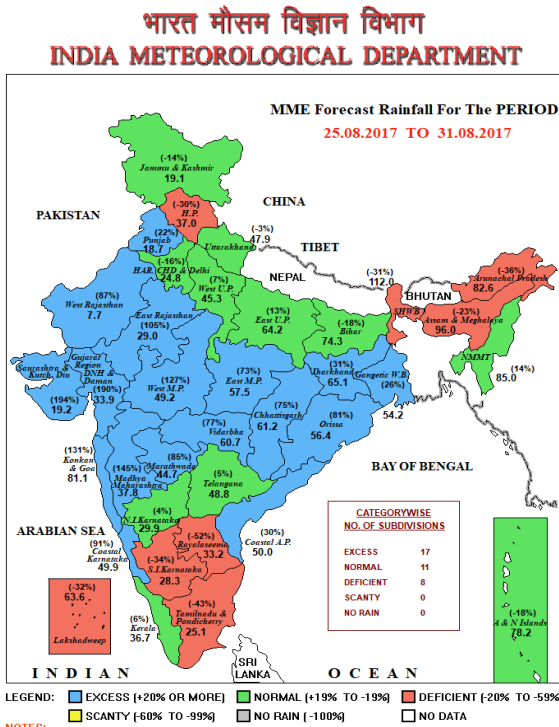
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NOTES:
[a] Rainfall figures are based on operational data.
[b] Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
Percentage Departures of Rainfall are shown in Brackets.

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

Extended Range Forecast System

Subdivision wise rainfall forecast maps for the next 2 weeks (IC - 23 August) (25th August to 7th September 2017)



- Extended Range Forecast (ERF) indicates that, during week 1 (25 - 31 August), monsoon will be active mainly over the central belt of India covering Odisha, Gangetic West Bengal, Jharkhand, Chhattisgarh, Madhya Pradesh, Maharashtra, Gujarat and west coast (except Kerala). Monsoon rainfall is also expected to be normal to slightly above normal over Northwest India due to the rainfall associated with the system over East & South Rajasthan, southern parts of UP, parts of Punjab and adjoining area. Northeast and southern peninsula is expected to be with subdued rainfall during the week. However, for the country as a whole it will be above normal during the week.
- During week 2 (01 - 07 Sept.), active spell of rainfall is expected over Northwest India and along adjoining part of central India. The central part of India will be normal to slightly above normal during the week. Northeast India will be normal and the main deficient belt will be over the south peninsula. However, for the country as a whole it will be normal to slightly above normal.

Strategic Agricultural Planning based on rainfall during next two weeks till

7th September 2017
Agromet Advisories

Deficit rainfall areas

Kerala

The state as a whole has received 1289 mm rainfall so far during the season, which is 25% deficit compared to the normal rainfall during the season. According to the extended range weather forecast, normal and deficient rainfall is predicted over Kerala during August 25-31 and September 1-7, respectively.

- Paddy: There are chances of occurrence of rice bug at milky stage. Apply neem based pesticides (3ml per one liter of water). Pesticides application should be done either before 9 am or after 3 pm on clear sky days to avoid adverse effect on the pollination.
- Coconut/Arecanut: As a prophylactic measure to control bud rot, apply 1% Bordeaux mixture on the tender leaf axils.
- Banana: Sigatoka leaf spot disease may become severe due to increase in relative humidity. If severe incidence was found, spray 1% Bordeaux mixture or Bavistin (1g/lit of water) after cutting the severely affected leaves. The affected leaves should be burnt.

Karnataka

The rainfall received from 1st Jun to 23rd August over north interior Karnataka is 264 mm against the normal of 330 mm, which is 20% deficit. However, south interior Karnataka received 357 mm against the normal of 488 mm, which is 27% deficit. Coastal Karnataka is also under deficit rainfall condition (-23%). The extended range weather forecast provided for next two weeks (25-31 August and 1-7 September) for different subdivisions of Karnataka are: South Interior Karnataka: deficit and deficit; North Interior Karnataka: Normal and Deficit; Coastal Karnataka: Excess and Scanty.

South Interior Karnataka

- As the deficit rainfall condition is forecasted for next two weeks, inter-culture operations must be done in standing crops to conserve the residual soil moisture.
- Since there was deficit rainfall during last two months, make use of farm pond water for protective irrigation.
- 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, HR-911, GPU-26, 28, 45 & 48, PR-202, ML-365), 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 – 518 mm (28% deficit); Marathwada – 417 mm (11% deficit); Madhya Maharashtra- 579 mm (8% surplus) and Konkan- 2278 mm (6% deficit)

The extended range weather forecast provided for next two weeks (25-31 August and 1-7 September) for different subdivisions of Maharashtra are: Vidarbha (excess and normal); Marathwada (Excess and deficit); Madhya Maharashtra (excess and normal) and Konkan (excess and normal).

Vidarbha

- As excess or normal rainfall is forecasted for next two weeks, proper drainage arrangement should be made and drained water may be stored in water harvesting structures for further use.
- Undertake intercultural operations (hand weeding/hoeing) in early sown crops for timely control of weeds.
- 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 Thiachloprid 21.7 % SC @ 15 ml or Triazophos 40% EC @ 12.5 ml per 10 litres of water.
- Nursery seed sowing for *kharif* vegetable seedlings (chilli, tomato, brinjal etc.) may be initiated during this period. Similarly vegetables like bitter gourd, round gourd (tinda), cluster bean, cowpea etc. can be cultivated.

Madhya Pradesh

The state as a whole has received 1063 mm rainfall so far during the season, which is 24% deficit compared to the normal rainfall during the season. The extended range weather forecast provided for next two weeks (25-31 August and 1-7 September) for different subdivisions of Madhya Pradesh are: West Madhya Pradesh (excess and excess); East Madhya Pradesh (excess and excess).

- As excess rainfall is forecasted in next two weeks, conserve the water in the rainfed paddy fields.
- In-situ moisture conservation practices like compartmental bunding may be followed in the fields wherever rainfall is less.
- Make the proper arrangement for the drainage in the upland crops.
- 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.
- Preparation for the cauliflower nursery may be carried out.

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