



National Agromet Advisory Service Bulletin

based on

Extended Range Weather Forecast

Valid for 12th to 25th June, 2015

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**Earth System Science Organisation
India Meteorological Department**

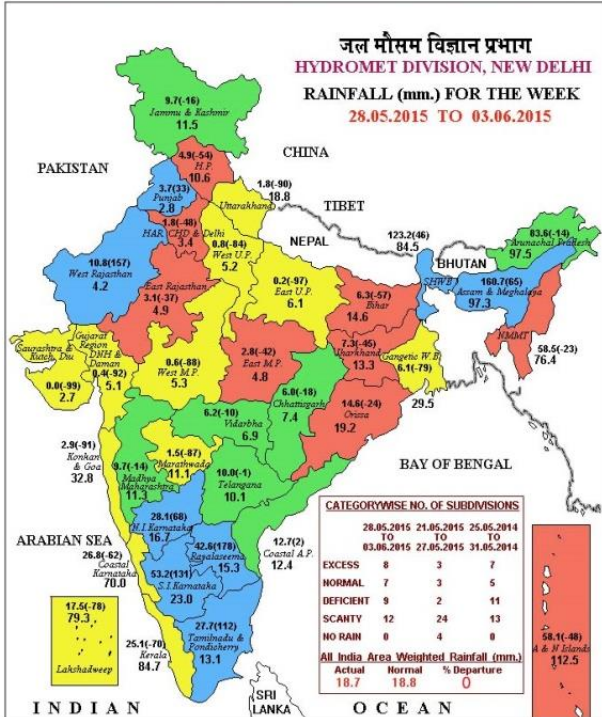
Indian Institute of Tropical Meteorology, Pune

&

**Indian Council of Agricultural Research
AICRPAM, CRIDA, Hyderabad**

Realized Rainfall (28th May to 10th June 2015)

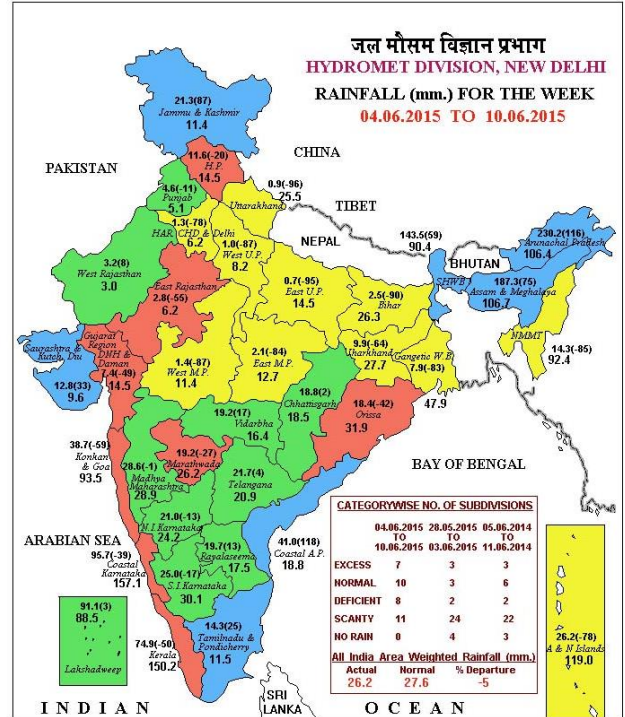
भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



LEGEND: ■ EXCESS (+20% OR MORE) ■ NORMAL (+19% TO -19%) ■ DEFICIENT (-20% TO -59%)
■ SCANTY (-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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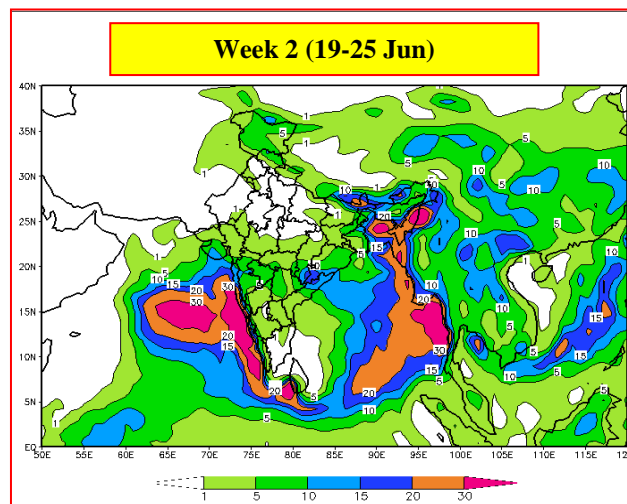
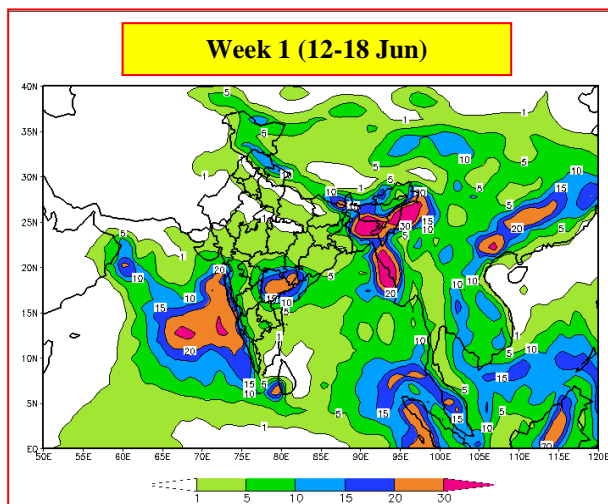
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- Normal or above normal rainfall occurred during last two weeks in Tamil Nadu, Interior Karnataka, Andhra Pradesh, Telangana, Madhya Maharashtra, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal and Sikkim, West Rajasthan, Punjab and Jammu & Kashmir.
- Normal or above normal rainfall occurred in either of the last two weeks in Saurashtra & Kutch.
- Below normal rainfall occurred in the last two weeks over remaining parts of the country.

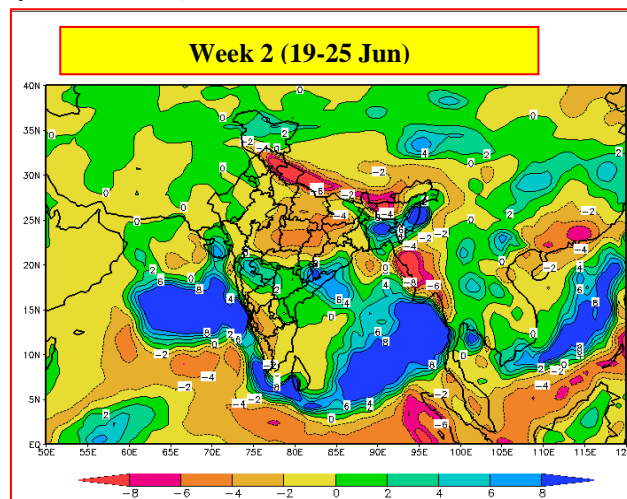
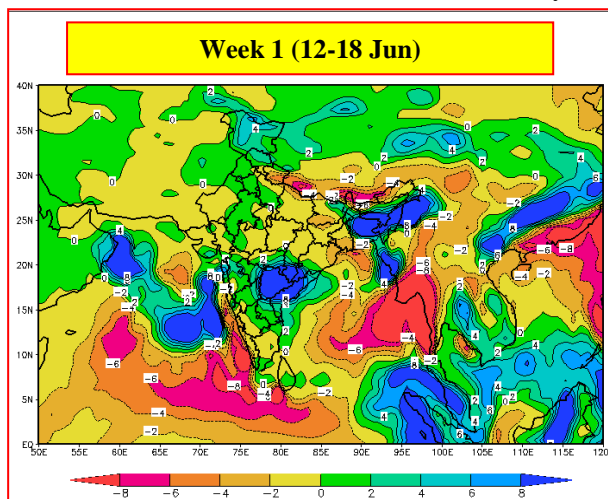
Extended Range Forecast System

Subdivisionwise rainfall forecast map for the next 2 weeks (IC =10 June)

Rainfall forecast (mm/day) (12 - 25 June, 2015)

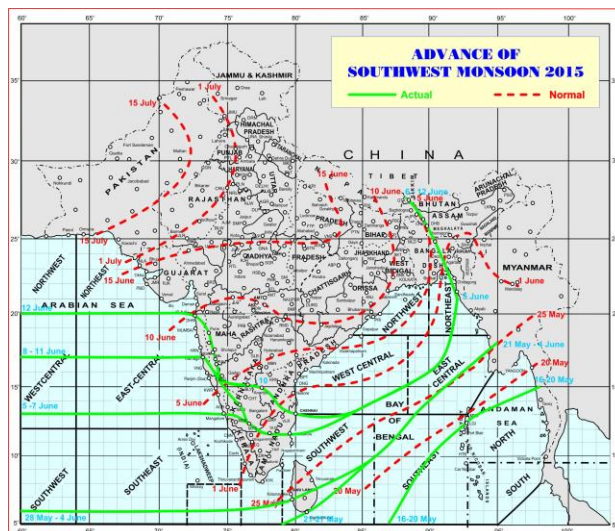


Rainfall Anomaly (mm/day) (12 - 25 June, 2015)



- The MME forecast indicates increase of rainfall over northern parts of west coast of India during first week (12-18 June, 2015). The other rainfall belts of the week will be southeastern coastal regions including parts of central India and also Northeast India.
- During second week (19-25 June), rainfall belt is likely to move northwards covering some more parts of central India.
- Thus, monsoon progress to the north/northwest India seems to be slower than normal.

Advance of Southwest Monsoon - 2015



- Southwest monsoon has further advanced into remaining parts of Central Arabian sea, remaining parts of Konkan (including Mumbai) and some parts of Madhya Maharashtra.
- As on 12th June, 2015, the Northern Limit of Monsoon (NLM) passes through Lat. 20.0°N/Long. 60.0°E, Lat. 20.0°N/Long. 70.0°E, Dahanu, Pune, Kolhapur, Bellary, Anantapur, Chennai, Lat. 13.0°N/Long. 84.0°E, Lat. 16.0°N/Long. 90.0°E, Lat. 21.0°N /Long. 92.0°E, Lat. 24.0°N /Long. 91.0°E, Dhubri and Gangtok.
- Conditions are favourable for further advance of southwest monsoon into remaining parts of Maharashtra, Karnataka, Andhra Pradesh, Bay of Bengal and Sikkim and some parts of north Arabian sea, south Gujarat state, Chhattisgarh, Odisha, West Bengal, Jharkhand and Bihar during next 5 days.

Agromet Advisories for land preparation and sowing of *kharif* crops

Good rainfall occurred mainly over the States of southern peninsula and northeastern parts of the country as well as Sub-Himalayan West Bengal and Sikkim during last fortnight. Regions like Madhya Maharashtra, Vidarbha and Chhattisgarh also received pre-monsoon rainfall during last two weeks. Rainfall is also likely to occur over southern peninsula, Northeastern States, northern parts of west coast and some parts of Central India during next two weeks. In view of the above, following agricultural activities are suggested for different parts of the country.

Information on seed selection and required inputs like seeds of crops and varieties, sources of seeds etc. can be collected from KVKs, State Departments of Agriculture in the Districts, SAUs, Kisan Call Centre, seed dealers and other NGOs or agencies.

Kerala

- Sowing of upland rice, wet seeding of rice variety Uma and dry seeding of *virippu* rice.
- Transplanting of *virippu* rice. Apply 140 kg lime and 2 tons organic manure for one acre land. Transplant seedlings at 4-5 leaf stage. The roots of the seedlings should be dipped in the solution of *Pseudomonas* culture for 30 minutes to control sheath blight, sheath root, leaf spot disease etc.

- Planting of pepper, tapioca, seedlings of coconut, arecanut, banana (Poovan, Robusta and Kannan varieties in Problem Area Zone and Robusta, Palayankodan, Njalipoovan in Southern and Northern Zones), mango, cocoa, turmeric and transplanting of brinjal.
- Planting of new rubber seedlings.
- Inter cropping can be started in coconut gardens.
- Banana: Provide propping for bunched Nendran plants. Protect soil moisture through trash mulching.

Karnataka

- Nursery sowing and transplanting of *kharif* rice (Intan, Abhilash, Mugad Siri-1253 and Hemavati for low land, Amrut and Prasanna for upland), nursery preparation for sowing of ragi, sowing of cotton (DHH-11, NCH-145, NHH-44, DHB-105 and Sahana), planting of ginger and turmeric and transplanting of arecanut seedlings in Coastal Karnataka.
- Direct sowing of ragi (GPU- 28, MR -01, 02 and 06, KMR-301), sowing of sorghum, maize, pulses *viz.*, cowpea, red gram (TTB -7, BRG -01, BRG- 02, HYD -3C), green gram, black gram, horse gram and oil seed crops like sesamum and groundnut in South Interior Karnataka.
- Nursery sowing of rice and ragi, sowing of green gram, black gram, sorghum (Hybrids – CSH-14, CSH-16, CSH-18 and other varieties – CSV-15, DSV-3, DSV-6 and DSV-2) and soybean, red gram, sunflower, maize, Bt. cotton, bajra, sesamum and groundnut and also intercropping like bajra + groundnut (bunch) (2:4), bajra + redgram (2:1), groundnut (bunch) + red gram (3:1 or 4:2), red gram + sesamum (1:2 or 2:4) in light and medium black soils, planting of fruit trees in North Interior Karnataka.
- Animals: Vaccination against Black Quarter and foot & mouth diseases.
- Proper heaping of fodder, so that it will not be damaged due to rains.
- Maintain optimum room temperature in Silkworm and poultry rearing houses.

Andhra Pradesh

Coastal Andhra Pradesh

- Nursery sowing of rice (Pushkala, Rasi, IR64).
- Sowing of finger millet, sesame, groundnut, maize, pulses, cotton, black gram, and planting of rainfed sugarcane.

Rayalaseema

- Sowing of groundnut (Kadiri-6, Kadiri-9, Narayani and Dharani), cotton, castor (PCH-111, PCH-222, Kranti, GCH-4, Haritha) and maize.
- Sowing of *Korra* (Surya Nandi, Sri Lakshmi, SIA-3085, Krishnadevaraya) in black soil.
- Nursery sowing of brinjal.

Telangana

- Nursery sowing of rice, sowing of rainfed crops like cotton (black soil: MCU-5, LRA 5166, Narasimha, NA 1588, hybrids: JKHY 1, ADBHY 1, NHH 44), maize, groundnut (black soil: Kadiri 3, ICGS 44, JL 24, JCS 88, TG 26, Vemana, red soil: JCG 88, Vemana, Kadiri 4, Kadiri 6, ICGS 11, ICGS 44, Abhaya, Prasuna, TAG 24, Kadiri 9, Narayani), jowar (CSH 5, CSH 6, CSH 9, CSH 12, NTJ 4, CSV 216 R, Moti), soybean, pulses like red gram (black soil: ICPL 85063, MRG 66, WRG 27), horse gram (Palem 1, Palem 2), green gram, castor (Aruna, Kranti, Haritha, Kiran, PCH 111, DCH 177) and sesame (Gowri, Madhavi, YLM 11, YLM

17, Chandana, Swetha-Thil, Hima, Rajeshwari) etc.

- Planting of new saplings in the orchards.

Tamil Nadu

- Nursery sowing of *kuruvai* rice (ADT 36, ADT 43, ADT 45 and Co 51) (Nagapattinam, Thanjavur, Thiruvarur and Trichy districts).
- Planting of wetland banana in High Rainfall Zone.

Arunachal Pradesh

- Nursery sowing of normal *kharif* rice

Assam

- As flood is reported due to heavy rain in Sonitpur, Darrang and Lakhimpur districts, drain out excess water from jute, sugarcane and banana crop fields. Postpone nursery bed preparation, sowing of *sali/kharif* rice and sowing of red gram.
- Varieties Manohar Sali, Biraj, Solpona etc. are recommended for post flood transplanting. Jalashree and Jalkunwari recommended for chronically flood affected areas.

In remaining areas of Assam-

- Nursery sowing of *sali / kharif* rice (Long duration high yielding varieties: Ranjit, Bahadur, Peoli, Moniram, Pankaj, Kushal, Swarna sub-1, Gitesh, Pankaj, Mashuri for growing in typical lowland area, medium duration rice varieties: Satya and Basundhara in medium lowland area).
- Sowing of arhar (T-21).
- Planting of seedlings of papaya in the main field. The recommended varieties are Coorg Honey Dew, Washington, Halflong, Ranchi etc.
- Sowing of groundnut and planting of banana, lemon, pineapple and papaya upto June month.
- Fodder crops: Rooted slips of fodder crops like Hybrid Napier, Setaria and Guinea etc. may be planted due to sufficient moisture in the field.
- Animals: Go for vaccination against Foot & Mouth disease and other bacterial diseases in bovine population (cattle, goat, buffalo etc.).

Nagaland:

- Nursery sowing for lowland rice (short to medium duration HYV rice: CAU R1, CAU R3, RCM-9 and RCM-1).
- Sowing of maize (DA 61A, RCM-75, RCM-76 and HQPM-1).

Meghalaya:

- Nursery sowing of *sali / kharif* rice (HYVs like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri).
- Sowing of soybean (JS 335, Bragg, Ankur, Pusa Soyabean-1, Local JS 2).
- Sowing of groundnut (ICGS 76, JL 24), black gram, green gram and red gram (HYVs like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration)).and planting of ginger and turmeric.

Manipur

- Nursery preparation for *kharif* rice and land preparation for transplanting of *kharif* rice. Sowing of *kharif* maize, *soybean* (JS-335, groundnut (ICGS-76) and black gram.
- Nursery raising of early cauliflower.

Mizoram

- Sowing of rice, maize, okra, colocasia and transplanting of brinjal and tomato.
- Nursery preparation for *khasi* mandarin and passion fruit.
- Land preparation for planting of ginger and turmeric.

Tripura

- Nursery sowing of *aman* rice (Gomati, Ranjeet, Swarna, Naveen).
- Sowing of groundnut (TAG 24, TG 37A, ICGS 76) and maize (DMH- 849, 117, HQPM 1, BQPM 9) in upland and medium upland.
- Planting of banana.

West Bengal

- Nursery sowing of *aman* rice.
- Sowing of dry seeded *aus* rice (Sabita Foundation, Swarna Sub-1 certified, IR-64, Hira T.L.).

Maharashtra

Konkan

- Nursery sowing and transplanting of *kharif* rice and finger millet. Prepare raised beds of 1.2 x 10 m dimension for paddy nursery on upland field.
- Direct sowing of finger millet, pulses and vegetables.
- Fishery: Book for fish seed at District Fisheries Department Office.

Madhya Maharashtra

- Nursery sowing and transplanting of *kharif* rice in Kolhapur region, Western Ghat region (Nashik) and Pune (western parts).
- Land preparation and sowing of *kharif* jowar, soybean, cotton, green gram, black gram redgram and sunflower.
- Kharif jowar: Use recommended varieties like S.P.V. 462, 475, 946, S.S.V. 84, Phule amruta.
- Bajra: Use Hybrid varieties Shradha (I.H.R.B.H.-8609) Saburi (I.H.I.B.H-8924) Improved varieties W.C.C.-75, I.C.T.P-8203.
- Sunflower: Recommended varieties are E.C.68414, Modern, S.S.56, K.B.S.H.-11, S.P.S.H.-11

Marathwada

- Land preparation and sowing of *kharif* green gram, black gram, redgram, jowar, soybean, cotton and sunflower.

Vidarbha

- Land preparation and sowing of *kharif* soybean, cotton, jowar, green gram, black gram redgram and sunflower.

Odisha

- Sowing of cotton, groundnut, castor and red gram can be undertaken.
- Upland paddy can be grown with very early or early maturing varieties such as Khandagiri and Sahbhagi, which are of less than 100 days duration.
- In pata (typical low land), sowing of paddy can be taken up before onset of monsoon.

Utilising the pre-monsoon rainfall occurred during last fortnight and likely occurrence of rainfall during next two weeks, nursery for sowing of *kharif* rice is suggested in **Gujarat, south Chhattisgarh, Odisha, Jharkhand, Bihar** and **south Madhya Pradesh**. Land preparation is also advised for sowing of *kharif* crops in these States for following crops.

- **Gujarat:** Groundnut, cotton, pulses like black gram, green gram, cowpea, pigeon pea, ginger and turmeric.
- **South Chhattisgarh:** Soybean, maize, groundnut, moong, urd.
- **Odisha:** Maize, ginger, turmeric and *kharif* pulses.
- **Jharkhand:** Maize, pigeon pea, ginger, turmeric & elephant foot yam.
- **Bihar:** Maize, elephant foot yam and turmeric.
- **South Madhya Pradesh:** Soybean, groundnut and cotton.