



राष्ट्रीय कृषि मौसम परामर्श सेवा बुलेटिन *National Agromet Advisory Service Bulletin*

शुक्रवार, दि. 12 जून 2026

(अवधि: 12 जून से 16 जून 2026)

Friday, 12th June 2026

(For the period 12th to 16th June, 2026)



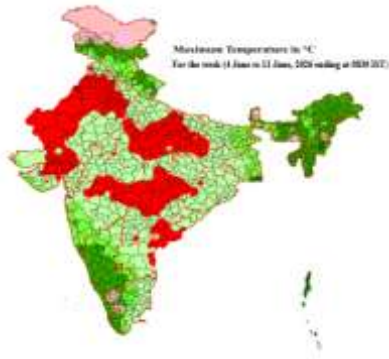
कृषि मौसम विज्ञान प्रभाग,
भारत मौसम विज्ञान विभाग, पुणे
द्वारा जारी

*Issued by
Agricultural Meteorology Division,
India Meteorological Department, Pune.*



Spatial distribution of weather parameters for the week 04.06.2026 to 10.06.2026

**Mean Maximum Temperature (°C) for the week
04.06.2026 to 10.06.2026**



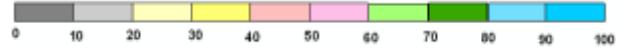
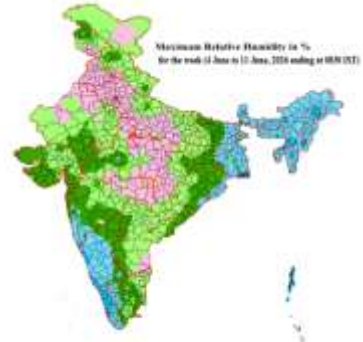
**Mean Minimum Temperature (°C) for the week
04.06.2026 to 10.06.2026**



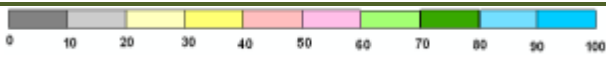
**Mean Diurnal Temperature Variation (°C) for the week
04.06.2026 to 10.06.2026**



**Mean Maximum Relative Humidity (%) for the week
04.06.2026 to 10.06.2026**



**Mean Minimum Relative Humidity (%) for the week
04.06.2026 to 10.06.2026**



**Mean Wind Speed in Km/hr for the week
04.06.2026 to 10.06.2026**



Mean Cloud Cover (okta) for the week 04.06.2026 to 10.06.2026

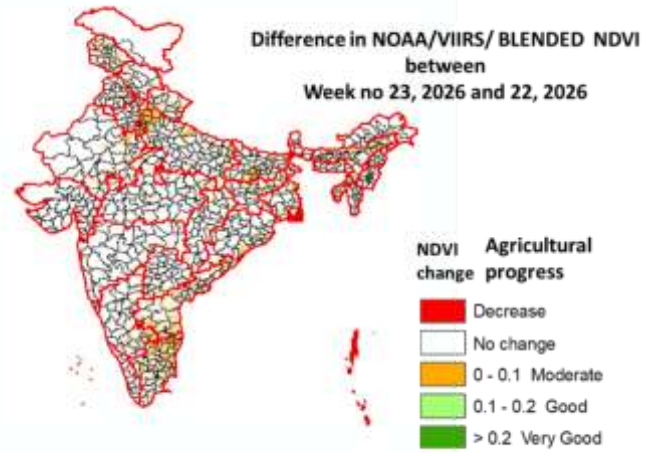
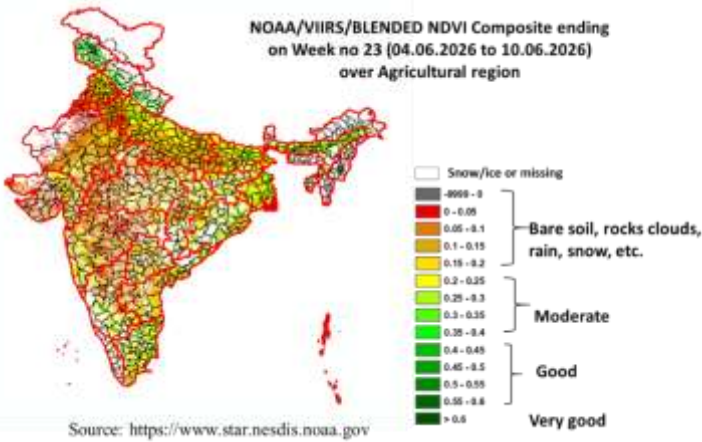


Accumulated rainfall in mm for the week 04.06.2026 to 10.06.2026



NOAA/VIIRS/BLENDED NDVI composite for the week number 23 (04.06.2026 to 10.06.2026) over Agricultural regions of India

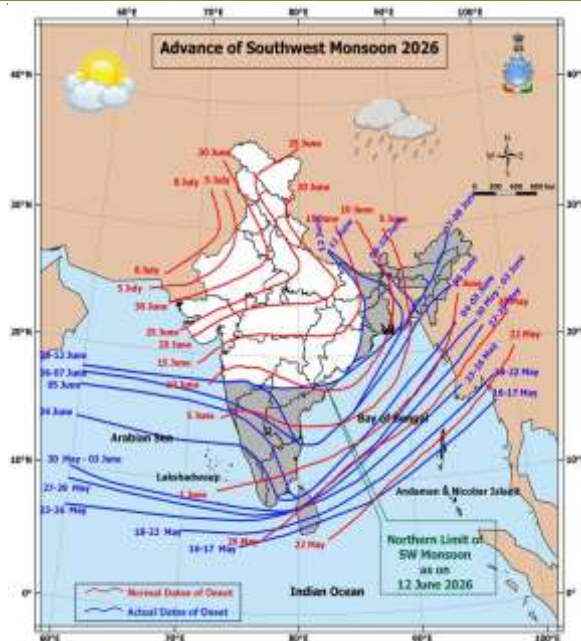
Difference in NOAA/VIIRS/BLENDED NDVI between week number 23, 2026 and 22, 2026



Agricultural vigour was good at many places Jammu & Kashmir; at a few places of Himachal Pradesh and at isolated places of West Bengal, Uttarakhand & North Eastern states.

Difference in agricultural vigour was good at isolated palces of North Eastern states, Uttarakhand, Himachal Pradesh, Sub Himalayan West Bengal, Sikkim, Jammu & Kashmir.

Advance of Southwest Monsoon 2026

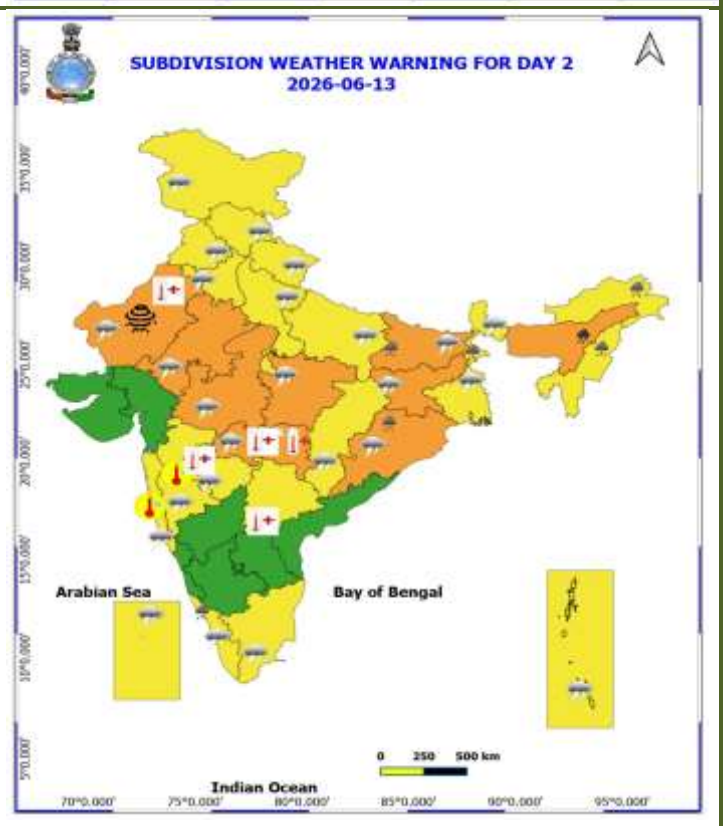
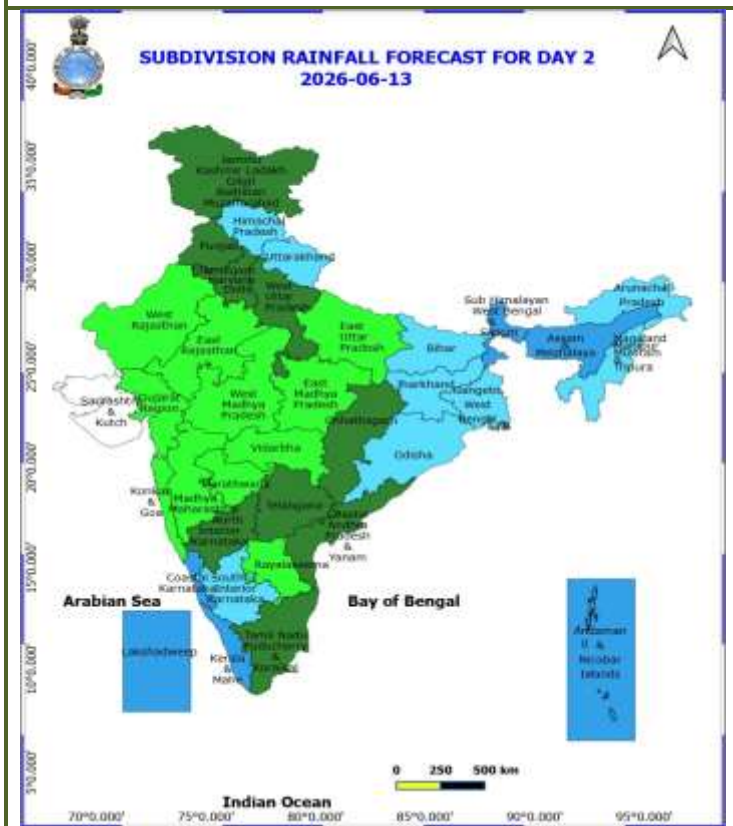
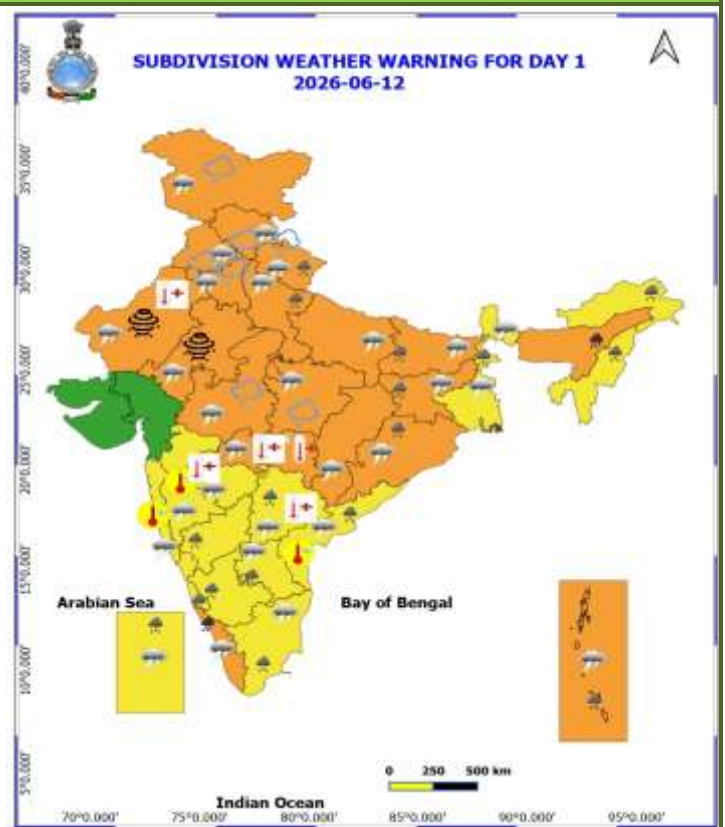
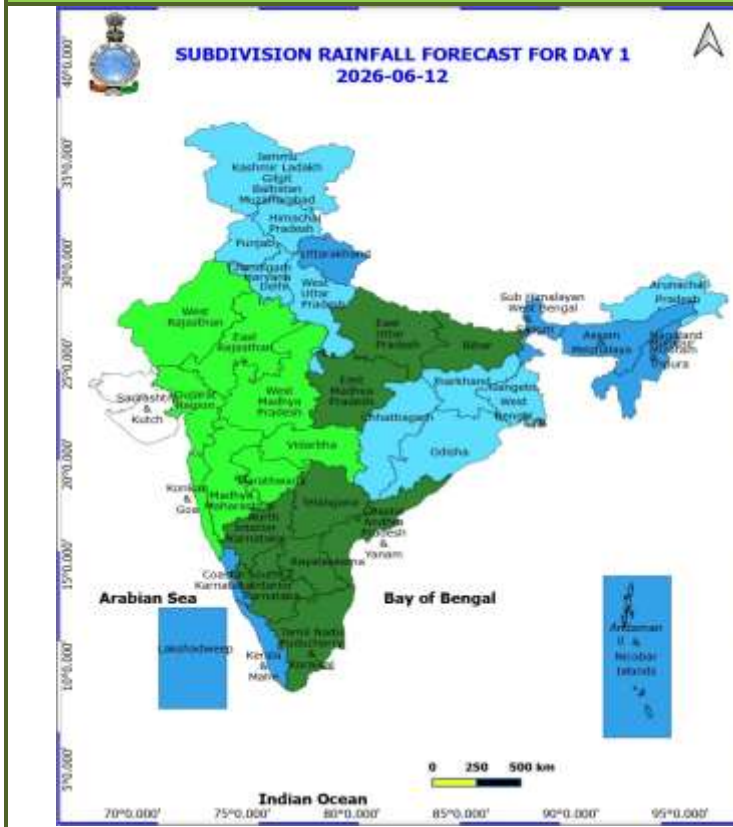


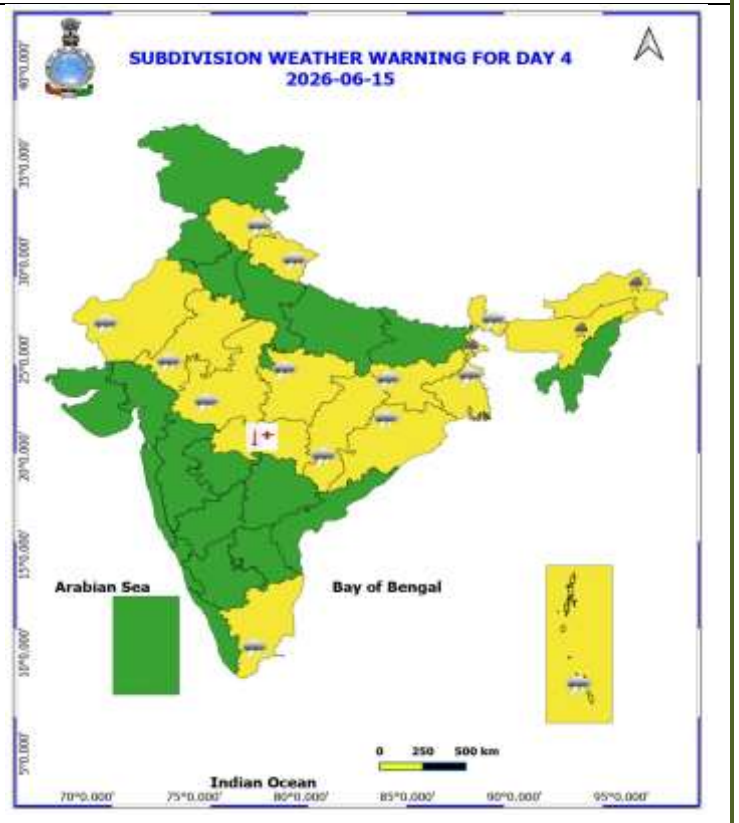
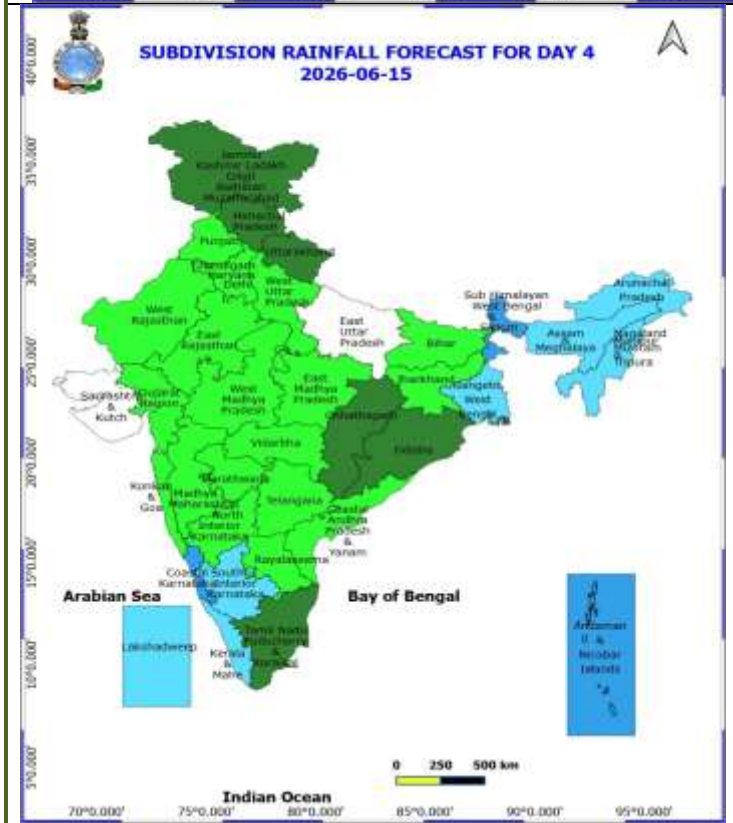
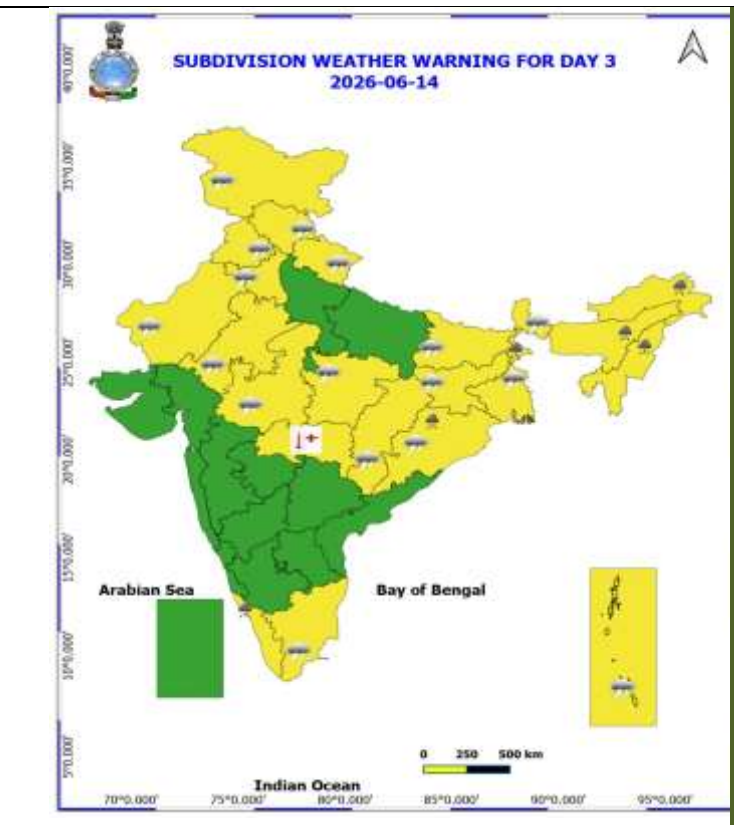
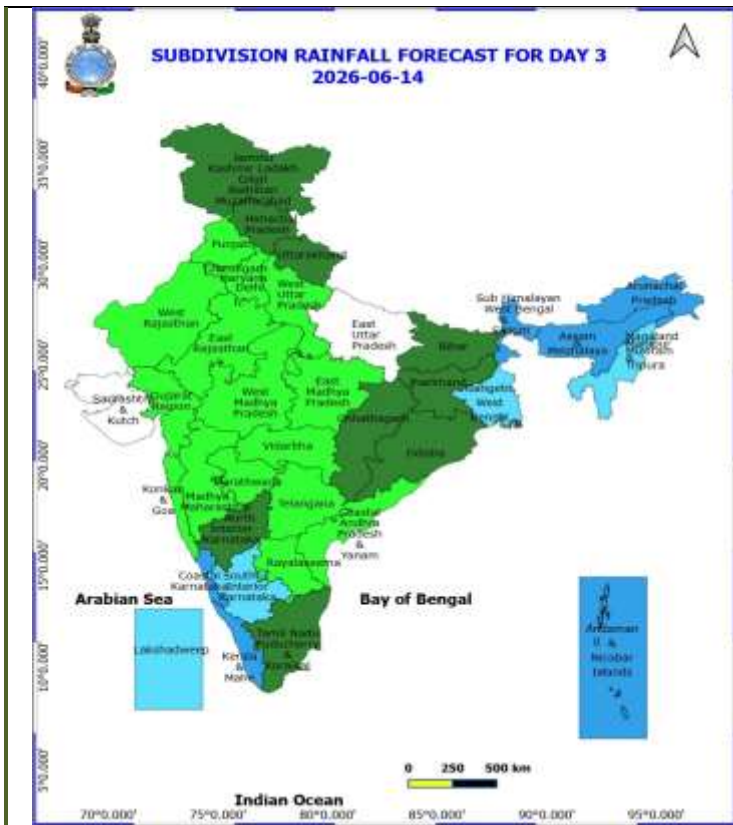
- ◆ The **Southwest Monsoon** has further advanced into entire northwest Bay of Bengal, some more parts of westcentral Bay of Bengal, West Bengal & Bihar, and some parts of Odisha & Jharkhand, today the 12th June, 2026.
- ◆ The **Northern Limit of Monsoon** passes through 18°N/60°E, 18°N/65°E, 18°N/70°E, Harnai, Solapur, Hyderabad, Bhadradi Kothagudem, Kalingapatnam, Paradeep, Baripada, Purulia, Dhanbad, Muzaffarpur

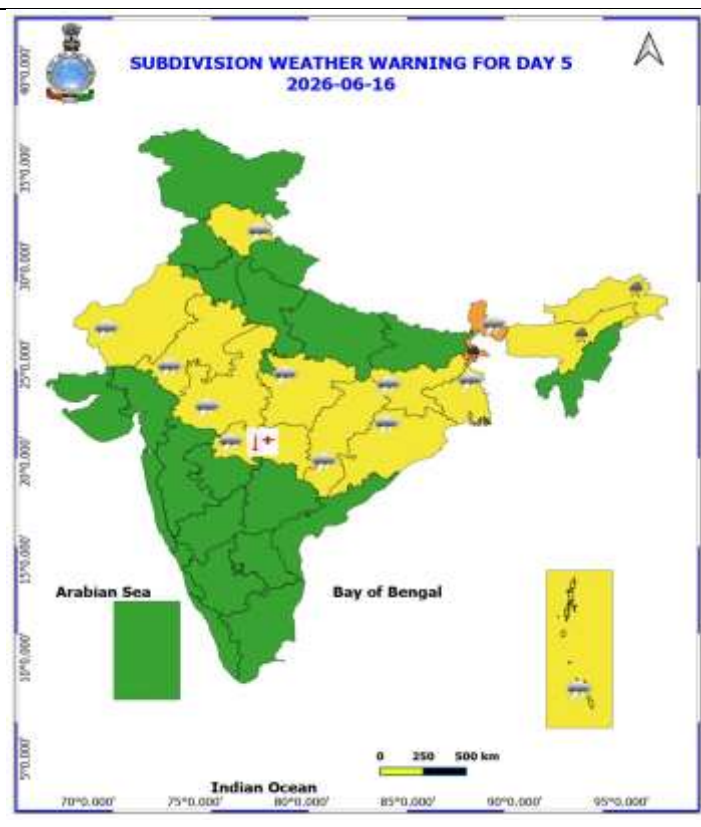
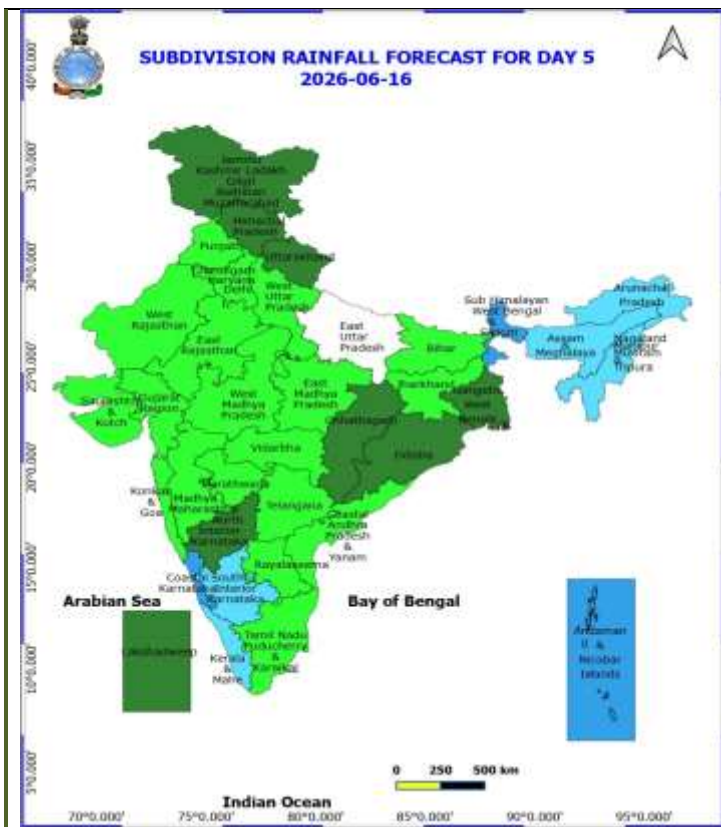
and 28.3°N/83°E.

- ◆ **Conditions are favourable** for further advance of southwest monsoon into some more parts of central Arabian Sea, Maharashtra, remaining parts of Karnataka, Telangana, Andhra Pradesh, West Bengal & westcentral Bay of Bengal, some more parts of Odisha, Jharkhand & Bihar, and some parts of Chhattisgarh during next 2-3 days.

Sub-Divisionwise Rainfall Forecast and weather warning for next 5 days







Legend	Category	% Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

No heavy Rainfall	Heavy Rainfall / Snowfall
Heavy	
Very heavy	
Exceptionally Heavy	Thunderstorm / Squall / Hailstorm
No TS	
Light TS	
Moderate TS	
Severe TS / Very Severe TS / Hailstorm	

Weather Warning during next 5 days

12 June 2026 (Day 1)

- ◆ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya and Kerala & Mahe.
- ◆ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Bihar, Jharkhand, Karnataka, Lakshadweep, Nagaland, Manipur, Mizoram and Tripura, Odisha, Sub Himalayan West Bengal & Sikkim, Tamil Nadu Puducherry & Karaikal, Telangana, Uttarakhand and West Uttar Pradesh.
- ◆ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Punjab and Uttarakhand.
- ◆ **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Rajasthan and West Uttar Pradesh.
- ◆ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, East Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh, Odisha and Uttarakhand.

- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Kerala & Mahe, Konkan & Goa, Lakshadweep, Maharashtra, Tamil Nadu Puducherry & Karaikal, Telangana and West Bengal & Sikkim.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Interior Karnataka.
- ◆ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Dust Storm** very likely at isolated places over Rajasthan.
- ◆ **Heat Wave conditions** very likely at isolated places over Marathwada, Telangana, Vidarbha and West Rajasthan.
- ◆ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh, Konkan & Goa and Madhya Maharashtra.
- ◆ **Warm Night conditions** very likely at isolated places over Vidarbha.
- ◆ **Arabian Sea: Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along & off Somalia & Oman coasts, some parts of westcentral adjoining southwest Arabian Sea.
- ◆ **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over along and off Karnataka, Kerala coasts, over Lakshadweep area adjoining parts of eastcentral Arabian Sea and Maldives areas.
- ◆ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, south Bay of Bengal, eastcentral adjoining westcentral Bay of Bengal and Andaman Sea.

13 June 2026 (Day 2)

- ◆ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ◆ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Bihar, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Odisha and Sub Himalayan West Bengal & Sikkim.
- ◆ **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over Rajasthan.
- ◆ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar, Jharkhand, Madhya Pradesh and Odisha.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Konkan & Goa, Lakshadweep, Maharashtra, Punjab, Tamil Nadu Puducherry & Karaikal, Uttar Pradesh, Uttarakhand and West Bengal & Sikkim.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Interior Karnataka and Telangana.
- ◆ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Dust Storm** very likely at isolated places over West Rajasthan.
- ◆ **Heat Wave conditions** very likely at isolated places over Marathwada, Telangana, Vidarbha and West Rajasthan
- ◆ **Hot and Humid weather** very likely at isolated places over Konkan & Goa and Madhya Maharashtra.
- ◆ **Warm Night conditions** very likely at isolated places over Vidarbha.
- ◆ **Arabian Sea: Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along & off Somalia & Oman coasts, some parts of westcentral adjoining some parts of southwest Arabian

Sea.

- ◆ **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over east central adjoining southeast Arabian sea.
- ◆ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, southwest Bay of Bengal adjoining southeast & adjoining few parts of central Bay of Bengal and Andaman Sea.

14 June 2026 (Day 3)

- ◆ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Odisha and Sub Himalayan West Bengal & Sikkim.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh, Odisha, Punjab, Rajasthan, Tamil Nadu Puducherry & Karaikal, Uttarakhand and West Bengal & Sikkim.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Interior Karnataka, Telangana and Vidarbha.
- ◆ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Heat Wave conditions** very likely at isolated places over Vidarbha.
- ◆ **Arabian Sea: Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along & off Somalia & Oman coasts, some parts of westcentral adjoining some parts of southwest Arabian Sea.
- ◆ **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over east central adjoining southeast Arabian sea.
- ◆ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, southwest Bay of Bengal adjoining westcentral & southeast Bay of Bengal and Andaman Sea.

15 June 2026 (Day 4)

- ◆ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Chhattisgarh, Himachal Pradesh, Jharkhand, Madhya Pradesh, Odisha, Rajasthan, Tamil Nadu Puducherry & Karaikal, Uttarakhand and West Bengal & Sikkim.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh, Bihar, Interior Karnataka, Telangana and Vidarbha.
- ◆ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Heat Wave conditions** likely at isolated places over Vidarbha.
- ◆ **Arabian Sea: Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia adjoining southwest & westcentral Arabian Sea.
- ◆ **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over some parts of east central Arabian sea.
- ◆ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over

Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, southwest Bay of Bengal adjoining westcentral & southeast Bay of Bengal and Andaman Sea.

16 June 2026 (Day 5)

- ◆ **Heavy to Very Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ◆ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Chhattisgarh, Himachal Pradesh, Jharkhand, Madhya Pradesh, Odisha, Rajasthan, Vidarbha and West Bengal & Sikkim.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh, Bihar, North Interior Karnataka and Telangana.
- ◆ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Heat Wave conditions** likely at isolated places over Vidarbha.
- ◆ **No Fishermen Warning**

Warning for Fishermen

- As **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along & off Somalia & Oman coasts, some parts of westcentral adjoining southwest Arabian Sea. **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over along and off Karnataka, Kerala coasts, over Lakshadweep area adjoining parts of eastcentral Arabian Sea and Maldives areas. **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, south Bay of Bengal, eastcentral adjoining westcentral Bay of Bengal and Andaman Sea on 12th; **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along & off Somalia & Oman coasts, some parts of westcentral adjoining some parts of southwest Arabian Sea. **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over east central adjoining southeast Arabian sea. **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, southwest Bay of Bengal adjoining southeast & adjoining few parts of central Bay of Bengal and Andaman Sea on 13th; **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along & off Somalia & Oman coasts, some parts of westcentral adjoining some parts of southwest Arabian Sea. **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over east central adjoining southeast Arabian sea. **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, southwest Bay of Bengal adjoining westcentral & southeast Bay of Bengal and Andaman Sea on 14th; **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia adjoining southwest & westcentral Arabian Sea. **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over some parts of east central Arabian sea. **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, southwest Bay of Bengal adjoining westcentral & southeast Bay of Bengal and Andaman Sea on 15th June, 2026; **fishermen are advised not to venture into these areas.**

Salient Advisories

- As **rain/thundershowers at many/most places** likely over Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh & Chhattisgarh during next 24 hours, over Himachal Pradesh, Uttarakhand, Odisha & Jharkhand during next 48 hours, over Kerala & Mahe, Coastal Karnataka, South Interior Karnataka, Lakshadweep, Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, West Benga & Sikkim & Andaman & Nicobar Islands during next 4-5 days and over Bihar on 13th and **Heavy to Very Heavy Rainfall** very likely at isolated places over Kerala & Mahe during next 24 hours, over Assam & Meghalaya during next 48 hours and over Sub Himalayan West Bengal &

Sikkim on 16th; **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Jharkhand, Andhra Pradesh, Karnataka, Lakshadweep, Tamil Nadu Puducherry & Karaikal, Telangana, Uttarakhand and West Uttar Pradesh during next 24 hours, over Bihar during next 48 hours, over Nagaland, Manipur, Mizoram and Tripura & Odisha during next 72 hours, over Arunachal Pradesh and Sub Himalayan West Bengal & Sikkim during next 4-5 days, over Kerala & Mahe during 13th to 15th and over Assam & Meghalaya during 14th to 16th June, 2026, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.

- **Meghalaya** - Ensure adequate drainage in rice nurseries, maize, cowpea, ginger and other crop fields to prevent waterlogging. Provide staking or support to banana, papaya, French bean, bottle gourd and other tall or fragile crops to prevent lodging. Apply mulch around horticultural crops to reduce soil erosion and maintain soil structure. Avoid raising rice nurseries in low-lying valley areas prone to waterlogging and flooding.
- **Odisha** - Provide mechanical support to banana plants and young fruit orchards to minimize wind damage. In **Eastern Ghat High Land Zone**, ensure proper field drainage to avoid waterlogging. In **North Central Plateau Zone**, provide suitable staking arrangements for climber crops and support to banana. Delay the sowing of brinjal. In **North Eastern Ghat Zone**, ensure proper drainage channels in crop fields to prevent waterlogging; clean and repair field bunds.
- **Sub-Himalayan West Bengal** - In **Terai Zone**, harvest matured green gram, jute, chilli and litchi during rain-free periods and store the produce in dry, safe locations. Prepare rice nursery beds in elevated, well-drained areas and maintain adequate drainage channels to prevent water stagnation, seed washout and seedling mortality due to the heavy rainfall. Protect nursery beds with straw mulch or plastic sheets during heavy rainfall. Ensure proper drainage in jute fields. Provide adequate staking and support to tomato plants.

- As **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi and Madhya Pradesh during next 24 hours, harvest matured fruits & vegetables at the earliest. Use hail-net or hail-cap in fruit orchards and fruit-bearing vegetables to prevent mechanical damage.
- As **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over Haryana, Chandigarh & Delhi, Punjab & West Uttar Pradesh during next 24 hours and over Rajasthan during next 48 hours; **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands, Chhattisgarh, East Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Uttarakhand during next 24 hours and over Bihar, Jharkhand, Madhya Pradesh, Odisha during next 48 hours; **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh & Telangana during next 24 hours, over Kerala & Mahe, Lakshadweep & Maharashtra during next 48 hours, over Tamil Nadu Puducherry & Karaikal during next 72 hours, over West Bengal & Sikkim, Andaman & Nicobar Islands, Chhattisgarh & Himachal Pradesh during next 4-5 days, over Uttar Pradesh on 13th, over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana, Chandigarh & Delhi on 13th & 14th, over Uttarakhand during 13th to 15th, over Bihar on 14th, over Madhya Pradesh, Odisha & Rajasthan during 14th to 16th and over Vidarbha on 16th and **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Interior Karnataka, Andhra Pradesh and Telangana during next 4-5 days, over Vidarbha on 14th & 15th and over Bihar on 15th & 16th June, 2026, provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.
- As **Heat Wave conditions** very likely at isolated places over Telangana, Marathwada and West Rajasthan during next 48 hours and over Vidarbha during next 5 days, apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures. Keep animals in shade and provide plenty of clean and cool water to drink.

➤ Sowing/Transplanting/Harvesting

- transplanting of *Virippu* rice & vegetables and planting of ginger & turmeric in Kerala
- sowing of irrigated sorghum; planting of turmeric in Tamil Nadu
- harvesting of matured mango; direct sowing of rice, maize, cowpea, red gram, black gram & green gram; planting of ginger and areca nut in Karnataka
- harvesting of matured summer rice, mango & litchi; nursery sowing of finger millet; direct sowing rice, maize, red gram and planting of ginger & turmeric in Odisha
- harvesting of matured maize, green gram & litchi; nursery sowing of rice in Bihar
- harvesting of matured rice, sesame, green gram, jute, chilli & litchi in West Bengal
- harvesting of matured black gram & green gram; nursery sowing of *Sali* rice; sowing of soybean, pigeon pea & maize and planting of banana in Assam
- harvesting of *Boro* rice; transplanting of *Aus* rice in Tripura
- harvesting of matured pre-*kharif* rice; nursery sowing of *kharif* rice and sowing of black gram in Manipur
- harvesting of matured pearl millet, green gram, groundnut & sesame in Gujarat
- harvesting of matured Zaid black gram, green gram & maize; nursery sowing of rice in Uttar Pradesh
- harvesting of matured green gram; sowing of irrigated cotton & groundnut in Rajasthan
- harvesting of muskmelon & watermelon; nursery sowing of rice; sowing of maize, soybean, pigeon pea, groundnut & okra in Punjab
- sowing of American /Bt cotton; sowing of lady finger, bottle gourd, cucumber, ridge gourd & radish in Haryana
- harvesting of mature *Zaid* green gram & maize; nursery sowing/ transplanting of rice; sowing of red gram & finger millet and transplanting of cabbage & brinjal in Uttarakhand
- harvesting of matured onion & garlic; nursery sowing of rice; sowing of maize and transplanting of tomato & cucumber in Himachal Pradesh
- nursery sowing of Basmati rice/transplanting of rice; sowing of maize in Jammu & Kashmir
- nursery sowing of rice & ragi and planting of turmeric in Konkan region of Maharashtra

➤ Pest and Disease

- In Mizoram, spray Mancozeb @ 2g/litre of water or Hexaconazole @ 1ml/litre of water during clear weather for management of rust in groundnut.
- In Himachal Pradesh, spray Malathion 50 EC @ 750 ml in 750 litres of water for one hectare during clear weather for management of Leaf-eating insect pests in okra, French bean and cucurbitaceous at early crop stages.
- In Uttar Pradesh, cut and destroy affected young plants at ground level to control top borer infestation in sugarcane; in case of severe infestation, apply Chlorantraniliprole 18.5% SC @ 150 ml in 400 litres of water per acre through drenching/irrigation.
- In Gujarat, spray Streptocycline 10 g + Copper oxychloride 10g in 20 litres of water to control wilt disease in banana.

Detailed Agromet Advisories

SOUTH INDIA [TAMIL NADU, TELANGANA, ANDHRA PRADESH, KARNATAKA, KERALAM]

Realised Rainfall: Significant rainfall occurred over Bapatla, Guntur, NTR district, Palnadu, Anantpuramu, Kurnool & Nandyal districts of Andhra Pradesh; over Hyderabad, J Bhupalpally, Kamareddy, Karimnagar, Khammam & Mancherial districts of Telangana; over all districts of Karnataka except Bidar, Bangalore Rural, Bangalore Urban, Chamarajanagar, Chikaballapur, Chitradurga, Davangere, Hassan, Haveri, Kolar, Mandya, Mysuru, Ramanagara, Shivamogga, Tumakuru & Vijayanagara; over all the districts of Kerala and over

Coimbatore, Kanyakumari, Nilgiris, Thanjavur, Tirunelveli districts of Tamilnadu. Weather remained mainly dry over rest of the region.

Advisories:

- As **rain/thundershowers at many/most places** likely over Kerala & Mahe, Coastal Karnataka, South Interior Karnataka & Lakshadweep during next 4-5 days and **Heavy to Very Heavy Rainfall** very likely at isolated places over Kerala & Mahe during next 24 hours; **Heavy Rainfall** very likely at isolated places over Andhra Pradesh, Karnataka, Lakshadweep, Tamil Nadu Puducherry & Karaikal & Telangana during next 24 hours, over Kerala & Mahe during 13th to 15th June, 2026, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.
- As **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh & Telangana during next 24 hours , over Kerala & Mahe, Lakshadweep during next 48 hours, over Tamil Nadu Puducherry & Karaikal during next 72 hours and **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Interior Karnataka, Andhra Pradesh and Telangana during next 4-5 days, provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.

Tamil Nadu

- In Western Zone, considering the anticipated rainfall, keep ponding of water in recently sown nurseries during the afternoon hours to reduce the saltation effect of rain drops and prevent displacement of seeds and seedlings. Sowing of irrigated sorghum may be taken in the ploughed area and provide adequate drainage. Provide adequate drainage to recently cumbu sown areas. Planting of turmeric may be continued after tuber treatment-based soil moisture content.
- In Cauvery Delta Zone, considering optimum weather condition, root feeding of coconut tonic @ 200 ml / palm can be done.
- In South Zone, to manage ear midge in pearl millet, apply any one of the following: Carbaryl 10 D 25 kg/ha, Malathion 5 D 25 kg/ha, Carbaryl 50 WP 750 g/ha or Dimethoate 30 EC 600 ml/ha (500 l of spray fluid/ ha).
- In Coastal Zone, cloudy weather with rain may increase the shedding of buds and squares in cotton. To prevent early shedding of buds and squares in cotton spray 40 ppm NAA (40 mg of Naphthalene Acetic Acid in one litre of water) at 60 and 90 DAS on the crops.
- In High Rainfall Zone, preparatory cultivation can be started for planting of paddy and horticultural crops such as vegetables, rubber, coconut etc. Basins can be formed for coconut, fruit trees and spices for better harvesting of rain water.
- In High Altitude Hilly Zone, postpone the intercultural / plant protection activities such as fertilizer and pesticide application until the rain stops.

Kerala

- Ensure proper drainage facilities. Propping should be done to protect banana plants.
- In High Altitude Zone, as heavy rainfall is forecasted, improve the drainage facility. Crops like ginger, turmeric & vegetables etc. can be cultivated as an intercrop in irrigated coconut gardens.
- In Problem Area Zone, banana plants, vegetable crops, and climber crops should be provided with adequate support and propping to prevent wind damage. To prevent stem bleeding in coconut trees, cut out the damaged part of the tree and apply Bordeaux mixture. Let rubber coat/coal tar dry for 1-2 days and apply it to the wound.
- In Southern Zone, Virippu (kharif) paddy seedlings can be transplanted in areas where the land preparation has been completed by applying lime and basal dose of fertilizer. Before transplanting the roots of seedlings should be dip in Pseudomonas (20g / litre of water) solution for half an hour, it will reduce the disease incidence. Proper drainage facilities should be provided to prevent rhizome rot in crops like ginger and turmeric.
- In Central Zone, undertake transplanting of paddy. During rainy season, there is a chance of Rhizome rot in

banana. As a prophylactic measure, drench the basin with 3 litre of pseudomonas solution (20g per one liter of water) during rain-free period.

- In Northern Zone, drain excess water from fields wherever possible. Strengthen bunds to prevent flooding. After floodwater recedes, monitor for sheath blight, blast, and bacterial diseases for rice. Do not allow water stagnation in the planted pits of coconut. Provide bunds around the pits to prevent the collection of runoff water in the pits.

Andhra Pradesh

- In High Altitude Tribal Zone, maintain proper field drainage to prevent waterlogging and ensure adequate soil aeration. Carry out earthing-up where necessary to provide support against lodging under windy conditions. Provide propping to bearing plants to prevent lodging and pseudo stem breakage under strong winds
- In Scarce Rainfall Zone, farmers are advised to utilize the available soil moisture and apply recommended dose of fertilizers at 45, 90, 135 and 180 days for long duration varieties and 40, 80, 120 and 160 for short duration varieties after planting in banana. Utilize the available soil moisture for land preparation and procure quality seeds and fertilizers in advance for *Kharif* sowing.
- In North Coastal Zone, utilizing the realized rainfall undertake raised nursery bed preparation for sowing of vegetables by drenching the nursery beds with Metalaxyl @ 2g/L or COC @ 3g/L.
- In Krishna Godavari Zone, complete ploughing, bund strengthening, and drainage channel preparation before rainfall events to avoid water stagnation. Avoid tillage operations during thunderstorms and wet soil conditions to prevent soil compaction and machinery damage.
- In Southern Zone, the farmers who are taking up paddy nurseries are advised to take up seed treatment compulsory. For dry seed treatment treat 1 kg of seed with 3g of Carbendazim and sow the seed in the nursery after 24 hrs. Similarly, for wet seed treatment soak the seed for 24 hrs in the solution prepared with Carbendazim @ 1g/kg of seed per litre of water and incubate for 24 hrs before sowing in the nursery.

Telangana

- As **Heat Wave conditions** very likely at isolated places over Telangana during next 48 hours, apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures. Keep animals in shade and provide plenty of clean and cool water to drink.
- In Northern Telangana, undertake sowing of green manure crops in already summer ploughed fields where irrigation facility is available. Due to fluctuations in soil moisture and prevailing high temperatures, there is a possibility of blossom end rot incidence in tomato. Farmers are advised to adopt mulching to conserve soil moisture and go for foliar spraying of Calcium Nitrate @ 5g per litre of water
- In Southern Telangana, harvest the vegetables (like tomato, brinjal, okra, chilli, leafy vegetables etc.). In view of the recent rainfall, rice growing farmers are advised to go for sowing of in-situe green manure crops (dhaincha, sun hemp, green gram, pillipesara, horse gram etc.). Farmers are advised to procure and keep ready the seed, fertilizers and pesticides for timely sowing of rainfed crops. Raise rice nurseries of long duration varieties wherever sufficient water is available. Don't sow the paddy nurseries using Telangana Sona (RNR 15048) in the month of June.

Karnataka

- In Hill Zone, continue land preparation followed by direct sowing of rice and sowing of maize & ginger. Undertake transplanting of healthy areca nut seedlings. Undertake land preparation for sowing cotton. Attend intercultivation in sugarcane at 50, 65, 80 and 95 days after planting and earthing up can be done at 120 days after planting.
- In North East Transition Zone, continue sowing of red gram, black gram, green gram and sorghum, soyabean during clear weather after receipt of sufficient rainfall. Undertake nursery preparation of tomato.
- In North East Dry Zone, prepare the land for sowing of Kharif crops and procure seeds, fertilizers and other required inputs. Continue sowing of kharif green gram, maize, bajra, sesamum, groundnut. To manage leaf curl disease in tomato, spray Acetamiprid @ 1ml in 4 litres of water. Spray Mancozeb 50 WP @ 2 g/litre of

water at 10 days interval for the management of blight in tomato.

- In North Dry Zone, undertake sowing of bajra, kharif sorghum, groundnut, red gram, Bt cotton, green gram, sesamum, *navane/savi*, castor, onion maize & sunflower. Take up intercultivation in sugarcane at 50, 65, 80 and 95 days after planting and earthing up should be done at 120 days after planting.
- In North Transition Zone, undertake land preparation for sowing of *kharif* crops. Sowing may be done where soil moisture is optimum and irrigation is possible. Continue the sowing operations in areas that have received good rainfall during the last week. Withhold scheduled irrigation for already sown crops. Provide drainage to remove excess water from the field.
- In Central Dry Zone, complete nursery preparation for paddy and vegetable crops using available soil moisture and irrigation facilities. Undertake land preparation for upcoming kharif sowing by deep ploughing and field levelling to improve rainwater infiltration and soil aeration.
- In Eastern Dry Zone, undertake land preparation for sowing of red gram and maize. To control thrips in chilli, use Fipronil @ 1g per litre of water or Neem oil @ 3ml per litre of water during clear weather.
- In South Transition Zone, undertake land preparation for planting of coconut and areca nut saplings and, under rainfed conditions, go for sowing/planting only after receipt of sufficient rains. Undertake nursery preparation and sowing of paddy & maize. Harvest mango fruits and keep at safe places for ripening. Monitor for early incidence of rhizome rot and leaf spot diseases in ginger under humid weather conditions.
- In Southern Dry Zone, utilize the forecasted rains for land preparation and sowing of Kharif crops while ensuring proper drainage in fields to avoid rot. Continue sowing of field bean in well drained field. Ensure proper drainage to avoid water stagnation and seed rot. Continue sowing of cowpea, red gram and complete sowing of black gram & green gram. Carry out intercultural operations and earthing up in maize after cessation of rainfall. Ensure proper drainage. Provide staking and drainage in tomato. Transplant tobacco during evening hours utilizing available soil moisture. Avoid transplanting in waterlogged fields. Carry out earthing up and mulching in ginger after rainfall. Maintain drainage channels to avoid rhizome rot.

Animal Husbandry

- In Tamil Nadu, calves above 3 months and sheep and goat above 2 months should be vaccinated against Foot and Mouth disease.

NORTHEAST INDIA [ARUNACHAL PRADESH, ASSAM & MEGHALAYA, NMM&T]

Realized rainfall: Significant rainfall occurred over Changlang, East Kameng, East Siang, Lohit, Lower Subansari, Papumpare, Tawang, Tirap, Upper Siang, Upper Subansari, West Kameng, West Siang districts of Arunachal Pradesh; over all districts of Assam except Darrang, Karbi Anling, Nagaon, South Salmara and West Karbi Anlong; over East Garo Hills, East Jaintia Hills, East Khasi Hills, North Garo Hills, Ri-bhoi, South Garo Hills, South West Khasi Hills, and West Jaintia Hills districts of Meghalaya; over Aizwal, Champhai, Kolasib, Lawngtlai, Saiha and Serchhip districts of Mizoram; over Chandel, Imphal East, Imphal West, Tamenglong districts of Manipur; over Kephire, Kohima, Mokokchung and Zunheboto districts of Nagaland and over all districts of Tripura.

Advisories:

- As **rain/thundershowers at many/most places** likely over the region during next 5 days and **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya during next 48 hours; **Heavy Rainfall** very likely at isolated places over Nagaland, Manipur, Mizoram and Tripura during next 72 hours, over Arunachal Pradesh during next 4-5 days, over Assam & Meghalaya during 14th to 16th June, 2026, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.

Arunachal Pradesh

- Considering the forecast of widespread rainfall and isolated heavy to very heavy rainfall, create shallow trenches or drainage channels immediately to remove excess water from crop fields (maize, rice nurseries, finger millet, vegetables) and prevent water stagnation. Harvest mature vegetables and fruits promptly to avoid spoilage and crop losses. Cover stored grains, fodder and fertilizers properly with tarpaulins to protect

them from rain damage. Provide mechanical support or staking to young and newly planted plants to prevent lodging and uprooting during strong winds. Regularly monitor maize fields for Fall Armyworm infestation and install pheromone traps for surveillance. Loosely tie 3–4 paddy hills together using straw or bamboo splits to reduce lodging due to strong winds and heavy rain. Avoid application of urea and other fertilizers during continuous rainfall as nutrients may be lost through runoff and leaching

Assam

- In Hill Zone, undertake sowing of soybean and pigeon pea. Provide adequate drainage channels for the removal of excess rainwater from sugarcane fields.
- In Lower Brahmaputra Valley Zone, continue nursery sowing of Sali rice. Take necessary measures to protect nursery beds from heavy rainfall. Continue main field preparation for transplanting of Sali rice. Avoid waterlogging in jute fields by ensuring proper drainage. There is a severe incidence of leaf and root rot disease in betel vine. To manage the disease, apply four drenches and eight sprays of Bordeaux mixture @ 1.0% and 0.5%, respectively, at 15-day intervals.
- In Upper Brahmaputra Valley Zone, continue nursery sowing of Sali rice and main field preparation for transplanting of Sali rice. Due to high humidity coupled with frequent rainfall, gummosis disease may occur in citrus orchards. Ensure proper drainage to remove excess water from the orchard. Scrape the affected portion carefully without injuring the wood and apply Bordeaux paste. Maintain orchard sanitation and dispose of fallen fruits to reduce infestation of fruit-sucking moth. Baiting with suitable insecticides such as Emamectin Benzoate or Flubendiamide mixed with molasses (1%) and fruit juice may help in reducing pest incidence.
- In Barak Valley Zone, continue nursery sowing of Sali rice wherever field conditions permit, while ensuring adequate drainage and protection of nursery beds from heavy rainfall. As the districts of Barak Valley are low-lying and flood-prone, farmers are advised to collect seeds of high-yielding submergence-tolerant rice varieties such as Ranjit Sub-1, Bahadur Sub-1 and Swarna Sub-1 from authorized sources and prepare nursery beds accordingly. Continue main field preparation for transplanting of Sali rice. Avoid sowing operations in waterlogged fields and undertake sowing only after drainage of excess water.
- In Central Brahmaputra Valley Zone, continue nursery bed preparation and sowing of Sali rice. Undertake sowing of kharif maize and pigeon pea. Harvest mature pods of black gram and green gram during clear weather and immediately shift the harvested and threshed produce to a dry, well-ventilated and leak-proof storage area.
- In North Bank Plain Zone, continue nursery sowing of Sali rice and land preparation for transplanting of Sali rice. Provide adequate drainage to remove excess rainwater from jute fields. Avoid water stagnation in ginger and turmeric fields as it may lead to rhizome rot disease. Continue planting of banana suckers under proper drainage conditions.

Meghalaya

- Spraying of pesticides and application of fertilizers may be avoided as rainfall is likely during the next five days. Ensure adequate drainage in rice nurseries, maize, cowpea, ginger and other crop fields to prevent waterlogging. Clean and deepen drainage channels around crop fields, orchards and protected cultivation structures. Clean basins around fruit trees to prevent root infections. Harvest mature crops immediately and store the produce in a dry and well-ventilated place. Provide staking or support to banana, papaya, French bean, bottle gourd and other tall or fragile crops to prevent lodging. Avoid intercultural operations such as weeding and soil disturbance during and immediately after rainfall. Apply mulch around horticultural crops to reduce soil erosion and maintain soil structure. Avoid raising rice nurseries in low-lying valley areas prone to waterlogging and flooding.

Manipur

- Undertake harvesting of pre-kharif rice when about 80% of the spikelets turn yellow during clear weather. Drain excess water from the field about 10 days before harvesting. Continue nursery sowing of kharif rice and land preparation for transplanting. Continue sowing of black gram wherever field conditions permit. Ensure

proper drainage and avoid prolonged water stagnation in soybean, chilli, ginger, turmeric, banana and other crop fields, as excess moisture may increase disease incidence. Protect newly transplanted seedlings and nursery crops from heavy rain and strong winds

Mizoram

- Continue nursery preparation of lowland rice and sowing of upland rice. Undertake main field preparation for transplanting of rice and repair bunds, maintaining a height of 20–30 cm in lowland areas. Provide drainage channels in maize, ginger and vegetable fields to remove excess rainwater. High humidity may favour rust incidence in groundnut; during a rain-free period, spray Mancozeb @ 2.0 g/litre of water or Hexaconazole @ 1.0 ml/litre of water for disease management.

Nagaland

- Utilizing the available soil moisture, continue nursery bed preparation for high-yielding kharif rice varieties. Continue land preparation for sowing of groundnut. Postpone soybean sowing in poorly drained fields and undertake sowing only when field conditions are favourable. Considering the prevailing rainy weather, avoid pesticide spraying and top-dressing of fertilizers. Provide earthing-up support to standing maize to prevent lodging due to gusty winds. Provide staking to vine vegetables and young orchard plants. Apply organic mulch on vegetable beds to reduce soil erosion and moisture fluctuations. Ensure proper drainage in sesame fields. Cover exposed ginger rhizomes with soil and strengthen drainage channels.

Tripura

- Complete harvesting of Boro rice and other mature crops and transfer the harvested produce immediately to a safe and dry storage place. Continue transplanting of Aus rice seedlings wherever field conditions permit. Provide drainage channels in vegetable fields to remove excess stagnant water. Excess moisture may favour collar rot disease in ginger; to manage the disease, apply Mancozeb 75 WP @ 2 g/litre of water or Metalaxyl 8% + Mancozeb 64% WP @ 1 g/litre of water at 10–15 day intervals during rain-free periods.

Animal Husbandry

- Move livestock to elevated and well-drained shelters and ensure availability of clean drinking water. Store dry fodder and feed materials in elevated and dry locations protected from rain. During the rainy season, incidence of Foot and Mouth Disease (FMD) may increase; as a preventive measure, wash the mouth and feet of healthy animals periodically with a mild baking soda solution and ensure timely vaccination against FMD; isolate infected animals immediately; clean lesions with fresh water and apply suitable antiseptic treatment as advised by a veterinarian.

Fishery

- Fish farmers are advised to strengthen and raise pond dykes and install net fencing around ponds to prevent fish escape during heavy rainfall and flooding. Prepare fingerling rearing tanks and nursery ponds by cleaning them thoroughly and applying agricultural lime @ 65–70 g/m². Apply well-decomposed cow dung @ 500 g/m² at least 15 days before stocking. The present weather is suitable for stocking fingerlings. Procure healthy and disease-free fingerlings from reliable sources after consulting fisheries officials. Before stocking, treat fingerlings with potassium permanganate solution as per recommended fisheries guidelines.

EAST INDIA [JHARKHAND, BIHAR, ODISHA, WEST BENGAL & SIKKIM, ANDAMAN & NICOBAR ISLANDS]

Realised Rainfall: Significant rainfall occurred all in Araria, Bhagalpur, East Champaran, Jamui, Kathiwar, Khagadia, Kishanganj, Lakhisarai, Madhubani, Monghyar, Nawada, Purnea, Sheohar, Sitamarhi, Supaul and West Champaran districts of Bihar; in Bokaro, Dhanbad, Dumka, Giridih, Pakur, Ramgarh and Simdega districts of Jharkhand; in North & Middle Andamans and South Andamans districts of the Andaman & Nicobar Islands, in all districts of West Bengal & Sikkim except Bankura, Jhargram and Pashchim Burdhaman and in Balasore, Bhadrak, Cuttack, Ganjam, Kendrapara, Khorda, Koraput, Mayurbhanj & Nayagarh districts of Odisha. Weather remained mainly dry over rest of the region.

Advisories:

- As **rain/thundershowers at many/most places** likely over Odisha & Jharkhand during next 48 hours, over

West Bengal & Sikkim, Andaman & Nicobar Islands during next 4-5 days and over Bihar on 13th and **Heavy to Very Heavy Rainfall** very likely at isolated places over Sub Himalayan West Bengal & Sikkim on 16th; **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Jharkhand during next 24 hours, over Bihar during next 48 hours, over Sub Himalayan West Bengal & Sikkim during next 4-5 days, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.

- As **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands during next 24 hours and over Bihar, Jharkhand, Odisha during next 48 hours; **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over West Bengal & Sikkim, Andaman & Nicobar Islands during next 4-5 days, over Bihar on 14th, over Odisha during 14th to 16th and **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar on 15th & 16th June, 2026, provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.

Bihar

- In the North East Alluvial Zone, undertake harvesting of matured maize & litchi during morning hours. Prepare the field for nursery sowing of rice; treat seeds before sowing. To ensure a healthy nursery, plough the nursery field after adding rotten cow dung manure. To get good yield, maintain 1 to 1.5 feet water level in *Makhana* field. As soon as yellow mosaic disease is seen in summer *moong & urad* crop, carefully uproot the affected plants & destroy them and spray Imidacloprid @ 1ml per 3 litres of water. To protect pumpkin crops from fruit flies, install pheromone traps. Use 8-10 traps per hectare.
- In North west Alluvial Plain zone, harvest the mature pods of summer green gram during clear weather & keep harvested produce in safer place. Undertake nursery raising and sowing of medium duration rice varieties as well as aromatic varieties. sow green manure crops such as dhaincha and sun hemp in rice field before transplanting. Start preparing nursery beds for *kharif* onion cultivation.
- In the South Bihar Zone, postpone irrigation in standing crops, and apply fertilizers and pesticides during clear weather. Sowing of *kharif* maize may be done at optimum soil moisture conditions. Prepare the field for nursery sowing of long duration rice varieties. The prevailing weather conditions may be favorable for the spread of viral diseases in chilli, uproot and destroy infected plants by burying them in the soil and spray Imidacloprid @ 0.3 ml per litre of water only during clear weather.

Jharkhand

- In the Western Plateau Zone, harvest matured vegetables during morning and evening hours and keep them in shade after harvesting. Apply irrigation to mango, lemon and banana. Prepare the field for sowing of pigeon pea; buy seeds from a certified source only and treat seeds with Thiram @ 2g + Carbendazim @ 1g /kg seeds before sowing. Prepare land for sowing of *Kharif* maize. Prepare land for nursery sowing of rice and select improved varieties; treat seeds with fungicide Bavistin @ 2g per kg of seeds before sowing. In medium and low lands, undertake sowing of sun hemp and dhaincha for green manure. Infestation of Yellow Vein Mosaic Virus (YVMV) is observed on okra, to control, apply Neem oil @ 2 ml/ 1 litre of water at dawn or use yellow sticky trap.

Odisha

- In North Eastern Coastal Plain Zone, keep harvested summer rice in safe storage or cover it properly to prevent rain damage. Continue land preparation for *kharif* rice, repair field bunds and drainage channels, and raise green manure crops for incorporation before transplanting to improve soil fertility. Prepare nurseries for *kharif* vegetables such as brinjal and chilli using treated seeds and ensure adequate drainage to avoid water stagnation. In sugarcane, adopt mulching for moisture conservation; to control early shot borer, foliar spray of Fipronil 5 SC @ 400 ml/acre is advised during clear weather. In papaya orchards, maintain effective drainage, and provide support against wind damage.
- In East & South Eastern Coastal Plain Zone, complete sowing of direct-seeded rice in lowlands before the onset of monsoon and undertake sowing of pigeon pea and other non-paddy crops in uplands. Initiate dry

nursery preparation for kharif rice using certified seeds, ensure seed treatment before sowing, and raise green manure crops such as dhaincha for incorporation prior to transplanting. Harvest mature fruits such as mango, litchi, jackfruit, pineapple, pomegranate and lemon, and keep harvested produce in safe storage. Provide staking and mechanical support to banana, papaya and cucurbit crops to prevent wind damage. In cucurbits, to control late blight, spray Carbendazim 12 % + Mancozeb 63 % WP @ 2g per litre of water during clear weather conditions.

- In West Central Table Land Zone, complete harvesting, drying and safe storage of summer rice at the earliest and keep harvested produce protected from rain and wind damage. Carry out deep summer ploughing to expose soil-borne pests and disease inoculum, repair field bunds and drainage channels for efficient rainwater conservation, and initiate field preparation for kharif rice, cotton, maize and rainy-season vegetable crops using the available soil moisture. Farmers having irrigation facilities may start paddy nursery preparation of suitable early- to medium-duration rice varieties; sow pigeon pea on paddy bunds wherever feasible.
- In North Eastern Ghat Zone, complete harvesting of mature mango fruits before the onset of heavy rain and squally weather. Provide light irrigation to standing crops and nurseries during early morning or evening hours whenever required. Ensure proper drainage channels in crop fields to prevent waterlogging, clean and repair field bunds and embankments. Provide mechanical support to banana plants and young fruit orchards to minimize wind damage. For turmeric and ginger, ensure raised beds, adequate drainage and mulching to protect rhizomes from excess moisture and soil erosion. Regularly monitor okra for whitefly infestation and yellow vein mosaic disease; if pest population cross threshold levels, spray Neem-based insecticide (1500 ppm @ 5 ml/litre of water) only during clear weather.
- In North Central Plateau Zone, start land preparation for kharif pearl millet, maize and paddy by incorporating farmyard manure, removing weeds and strengthening field bunds to conserve rainwater. Prepare paddy nurseries using suitable short-duration varieties and complete sowing with the onset of monsoon rains. In vegetable crops such as okra, bitter melon, brinjal and tomato, prepare nursery beds and make arrangements to protect them from runoff and waterlogging during heavy rainfall spells. Provide suitable staking arrangements for climber crops. Under the prevailing warm and humid weather conditions, regularly monitor brinjal for Phomopsis blight and spray Carbendazim @ 2g/litre of water at an interval of 7-8 days during clear weather.
- In North Western Plateau Zone, harvest and safely store summer crops. Undertake land preparation for kharif crops, and strengthen field bunds for efficient rainwater conservation. Considering the likelihood of below-normal monsoon rainfall during the season, preference may be given to short-duration, drought-tolerant rice varieties and non-paddy crops in uplands. Start dry nursery preparation for kharif rice near assured water sources. After receiving adequate monsoon rainfall, proceed with sowing of ragi, groundnut, maize, ginger and turmeric. Under the prevailing warm and humid conditions, regularly monitor cucurbit crops for whitefly infestation; to manage, make poison baits by mixing 2 ml Malathion and 20 g jaggery in 1 litre of water and place them near the plants.
- In Mid Central Table Land Zone, continue land preparation and nursery raising for kharif paddy. The prevailing weather conditions are favourable for sowing of maize; ensure seed treatment before sowing and maintain recommended plant population through line sowing. Complete seed treatment of pigeon pea with recommended fungicides and Rhizobium culture before sowing. Undertake timely sowing of sunflower and sesame during the optimum sowing window.
- In South Eastern Zone and Eastern Ghat High Land Zone, continue nursery raising of medium- and long-duration rice varieties, wet nursery preparation and main field puddling. Maintain a shallow water layer in rice nurseries and ensure adequate drainage after heavy rainfall to prevent seedling yellowing and damping-off. Complete sowing of maize. Start nursery sowing of finger millet and direct sowing of small millets utilizing available soil moisture. Complete planting of ginger and turmeric with proper drainage and mulching to promote sprouting and prevent waterlogging. In vegetable crops such as tomato, brinjal and chilli, create drainage channels and adopt mulching to reduce soil splashing and excess moisture stress.
- In Western Undulating Zone, considering the forecast of below-normal monsoon rainfall over Odisha,

farmers are advised to adopt climate-resilient cropping practices by preferring short- to medium-duration and drought-tolerant rice varieties. Farmers may also adopt water-saving practices such as Alternate Wetting and Drying (AWD) in paddy. Go for non-paddy crops such as pigeon pea, millets, green gram, black gram and sesame in uplands. Undertake sowing only after receiving adequate rainfall. Adopt staggered sowing practices for cotton to minimize the risk of complete crop failure under uncertain rainfall conditions. Strengthen field bunds for rainwater conservation, and establish community nurseries under assured irrigation for timely availability of healthy seedlings.

Sub-Himalayan West Bengal & Sikkim

- In Hill Zone, ensure effective drainage in terraced fields, rice nurseries, ginger, tomato, chilli (Dalley Khorsani), cucurbits, brinjal and mandarin orchards to prevent waterlogging, seed washout, soil erosion, damping-off, bacterial wilt, rhizome rot, Phytophthora and other moisture-induced diseases. Start nursery bed preparation for kharif rice on elevated, well-drained lands with raised beds and adequate drainage channels; treat seeds with Trichoderma or recommended fungicides, apply mulch, and protect nurseries with temporary covers during heavy rainfall. Harvest and safely store any mature produce during rain-free periods. Provide staking/support to tomato, bitter melon and other vegetable crops. Maintain sanitation in brinjal and tea plantations. Keep orchard basins free from water stagnation. Regularly monitor crops for blister blight in tea, fruit rot in brinjal, aphids and thrips in chilli, bacterial wilt in tomato and cucurbits, and undertake need-based plant protection measures during clear weather only.
- In Terai Zone, prepare rice nursery beds in elevated, well-drained areas and maintain adequate drainage channels to prevent water stagnation, seed washout and seedling mortality due to the heavy rainfall. Keep reserve seeds ready in case of nursery damage and continue land preparation for kharif rice nursery raising using suitable high-yielding varieties. Protect nursery beds with straw mulch or plastic sheets during heavy rainfall. Harvest mature green gram, jute, chilli and litchi during rain-free periods and store the produce in dry, safe locations; avoid threshing operations during rainy weather. Ensure proper drainage in jute fields and avoid irrigation in view of the forecast rainfall. Monitor tea, brinjal and chilli crops for pest and disease incidence favoured by humid conditions and undertake need-based plant protection measures during clear weather only. Provide adequate staking and support to tomato plants to prevent lodging under wet and windy conditions, and regularly remove and destroy diseased or infested plant parts in vegetable crops to minimize disease spread.
- In Old Alluvial Zone, initiate land and nursery bed preparation for kharif rice using quality short-duration varieties. Prepare nursery beds near assured water sources to minimize the impact of possible dry spells. Treat seeds with recommended fungicides or Trichoderma before sowing to reduce seed- and soil-borne diseases. To control stem rot of jute, spray Copper oxychloride @ 3-4 g/litre of water and for sucking pest infestation on jute spray Dinotefuran 20% SG @ 1g + 0.5ml sticker per litre of water. Provide mechanical support to okra and pointed gourd plants to minimize lodging damage from strong winds. Regularly monitor okra for yellow vein mosaic virus and spray Chlorpyrifos 2.5 ml + Neem oil 2 ml / litre of water or use yellow sticky traps.

Gangetic West Bengal

- In the Coastal Saline Zone, with the likelihood of light to moderate rainfall during the period, undertake sowing of chilli, okra and brinjal using appropriate moisture-conservation practices. Maintain proper aeration and sanitation in betel vine gardens and remain vigilant against disease incidence under hot and humid conditions. Monitor coconut plantations for rhinoceros beetle infestation and adopt need-based management measures. Apply mulching in ginger fields to conserve soil moisture and suppress weeds. Complete harvesting operations in mango orchards and undertake post-harvest pruning and orchard sanitation to promote healthy vegetative growth. In harvested boro rice fields, carry out deep summer ploughing and raise green manure crops such as dhaincha or cluster bean to improve soil fertility and moisture conservation. Ensure harvested boro rice grains are properly dried and stored in a safe, dry place to prevent spoilage.
- In Laterite and Red Soil Zone, as thunderstorms and gusty winds are expected in the next five days, consider

early harvesting of mature rice and sesame crops to minimize losses due to lodging, grain sprouting, pod shattering and deterioration in produce quality. Avoid irrigation, fertilizer application and pesticide spraying during thunderstorms. After weather conditions improve, inspect sesame fields for pest and disease incidence, remove damaged or diseased plants, and spray neem oil @ 50 ml per litre of water during clear, to manage capsule borers. In watermelon, maintain good drainage, prevent fruit contact with wet soil by using suitable mulch materials, remove diseased fruits from the field, and store harvested produce in a dry, well-ventilated place.

Andaman & Nicobar Islands

- In Andaman & Nicobar Islands, prepare raised nursery beds for kharif rice with adequate drainage and use quality seeds treated with Trichoderma to minimize seed- and soil-borne diseases. Drain excess water from green manure crops such as daincha, sunhemp, mung and cowpea to prevent waterlogging. In banana, provide support to fruit bearing plants, maintain proper field drainage and remove damaged or diseased leaves after rainfall. Maintain orchard sanitation in guava by collecting and destroying fallen or infested fruits and support heavily laden branches to prevent breakage. Ensure proper staking and drainage in black pepper plantations and undertake planting and fertilizer application during favourable weather conditions. In chilli and other vegetable crops, maintain adequate drainage, provide support where required and regularly monitor for fungal diseases favoured by humid weather conditions. Ensure drainage around coconut palm basins and harvest mature nuts in time to minimize weather-related losses.

Animal Husbandary

- In West Bengal, keep livestock and in safe, dry shelters during active rainfall or thunderstorm events. Provide clean drinking water, balanced feed, and dry fodder.
- In Odisha, Maintain adequate water supply and shelter for livestock during hot and humid conditions. Provide mineral mixture and vitamin supplements along with a balanced ration to maintain animal health and productivity. Follow recommended deworming schedules and ensure timely vaccination against Foot and Mouth Disease (FMD). Poultry farmers should provide balanced feed fortified with essential minerals, vitamins and amino acids, regularly clean and disinfect feeders, drinkers and other equipment, and maintain strict farm hygiene.

WEST INDIA [GOA, MAHARASHTRA, GUJARAT]

Realised rainfall: Significant rainfall occurred over all districts of Goa and over Ratnagiri, Sindhudurg, Kolhapur, Sangli, Solapur, Beed, Dharashiv, Latur and Parbhani districts of Maharashtra. Weather remained dry over rest of the region.

Advisories:

Maharashtra

- As **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Maharashtra during next 48 hours, provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.
- As **Heat Wave conditions** very likely at isolated places over Marathwada during next 48 hours and over Vidarbha during next 5 days, apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures. Keep animals in shade and provide plenty of clean and cool water to drink.
- In Konkan, as light to moderate rain / thundershowers at isolated places is expected during next 5 days, harvest vegetables and fruits as early as possible and keep the harvested produce at safer places. In Sindhudurg and Ratnagiri districts, continue nursery sowing of rice, finger millet and vegetables. Undertake sowing of cucurbitaceous vegetables like cucumber, snap melon, snake gourd, ridge gourd, bitter gourd, red pumpkin, bottle gourd and sponge gourd. Continue land preparation and planting of turmeric. For control of weeds in the nurseries, spray Oxydirzil (80WP) 1.25 g per 5 liters of water per hectare after sowing as soon as the nursery beds get wet after sowing. Undertake nursery bed preparation for kharif rice, finger millet,

vegetables and cucurbitaceous vegetables in Raigad, Thane and Palghar districts.

- In Madhya Maharashtra, as thundershowers accompanied with lightning, light to moderate rainfall is expected at isolated places in Pune, Solapur and Ahilyanagar districts during next 5 days and as light rain / thundershowers is expected at isolated places on 12th, 13th and 16th June in Nashik district, harvest vegetables and fruits as early as possible and keep the harvested produce at safer places. Continue preparatory tillage operations such as ploughing, harrowing, land levelling and bunding in fallow lands for *kharif* crops like rice, cotton, soybean, green gram, black gram, pigeon pea, pearl millet, groundnut and maize *etc.* Carry out preparation of raised nursery beds for *kharif* rice. Undertake field preparation and nursery sowing of tomato and planting of turmeric with assured irrigation. For biological control of stem borer in sugarcane, use 5 to 6 trichocards per hectare at an interval of 15 days and use 5 pheromone traps (ESB lure) per hectare.
- In Marathwada, as light to moderate rain / thundershowers is expected at isolated places during next 5 days, undertake harvesting of matured vegetables as early as possible. Keep the harvested produce at safer places. In view of heat wave at isolated places in Beed and Jalna districts on 12th June, apply need-based irrigation in vegetables and orchards. Apply irrigation to vegetable seedlings already sown on raised bed. Continue sowing of vegetable seeds (brinjal, tomato, chilli *etc.*) on raised bed with assured irrigation. Undertake planting of turmeric with assured irrigation. Preparatory tillage operations such as ploughing, harrowing, land levelling, and bunding should be done in fallow lands for *kharif* crops like cotton, soybean, green gram, black gram, pigeon pea, pearl millet, groundnut and maize *etc.*
- In Vidarbha, in view of heat wave condition at few/many places during 12th to 15th in Amravati and Wardha districts; during 12th to 16th in Akola district; during 12th to 14th in Yavatmal and Chandrapur districts; on 12th and 13th June in Washim and Nagpur districts and on 12th June in Bhandara district,, apply need-based light and frequent irrigation during morning or evening hours to summer fodder crops, orchards and vegetables. As thunderstorm accompanied with lightning, light to moderate rainfall and gusty winds is expected at isolated places, undertake harvesting of vegetables and fruits as early as possible and keep the harvested produce at safer places. Provide mechanical support to newly planted young fruit plants/vegetables/creepers. Continue land preparation for *kharif* crops. Continue nursery sowing of vegetables like chilli, tomato and brinjal with assured irrigation. Incidence of citrus canker observed in acid lime (lemon) for control spray Copper Oxychloride @ 180g with Streptocycline @ 6g per 60 litres of water. Prepare nursery beds of 1.2x4.0m size for rice nursery on uplands fields.

Gujarat

- In Middle Gujarat Zone, apply irrigation in banana as per weather and soil moisture condition. Carry out preparation of land for *kharif* rice nursery in 1000 square meter area for transplanting of paddy seedlings in 1-hectare land. Carry out seed selection in *kharif* pulse crop like green gram, black gram and pigeon pea.
- In Bhal and Coastal Zone, carry out seed variety selection in all *kharif* crops and vegetables.
- In North West Zone, carry out land preparation for sowing of hybrid cotton and B.T. cotton. Carry out harvesting of pearl millet and green gram at maturity stage.
- In North Gujarat Zone, carry out land preparation for sowing of hybrid cotton and B.T. cotton. Carry out harvesting of summer groundnut, and summer pearl millet crops at maturity. Carry out harvesting of matured fruits of mango, papaya, lemon and pomegranate.
- In South Saurashtra Zone, carry out land preparation for *Kharif* groundnut, soybean and cotton. Pick mature fruits of mango at physiological maturity. Carry out harvesting of summer groundnut, summer green gram, summer black gram and summer pearl millet.
- In South Gujarat Zone, carry out harvesting of all mature summer crops like green gram, sesamum and groundnut. To control wilt disease in banana, spray Streptocycline 10 g + Copper oxychloride 10g in 20 litres of water. To control shoot borer in sugarcane, apply Carbofuran 3G @ 33 kg/ha.
- In South Gujarat Heavy Rainfall Zone, carry out field preparation of *Kharif* paddy nursery. Carry out harvesting of vegetable crops like cluster beans, pointed gourd and little gourd. To control red spider mite in

okra, spray Propargite 57 EC @ 20ml or Fenazaquin 10 EC @ 10ml in 10 litres of water.

- In North Saurashtra Zone, procure good quality seeds for kharif sowing well in advance. To control seed born diseases in Kharif groundnut, seed treatment may be done with Dithane M 45/Captan/vitavax @ 2.5g per kg before sowing. To control soil borne disease in vegetables, drenching of nursery bed should be done with Mancozeb 75 % WP @ 2.5g/ litre of water.

CENTRAL INDIA [M.P, CHHATTISGARH]

Realised Rainfall: Significant rainfall occurred over Agar, Bhopal, Dewas, Harda, Mandsaur, Raisen, Ratlam, Sehore, Shajapur districts of Madhya Pradesh. Weather remained mainly dry over rest of the region.

Advisories:

- As **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Chhattisgarh during next 24 hours and over Madhya Pradesh during next 48 hours; **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh during 13th to 16th, over Madhya Pradesh during 14th to 16th June, 2026, provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.

Madhya Pradesh

- As **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Madhya Pradesh during next 24 hours, harvest matured fruits & vegetables at the earliest. Use hail-net or hail-cap in fruit orchards and fruit-bearing vegetables to prevent mechanical damage.
- In Gird Zone, complete land preparation and arrange quality seeds, fertilizers, and other inputs for timely sowing of Kharif crops. Pre-sowing operations for soybean, pigeon pea, sesame, pearl millet, and fodder crops may be initiated, while sowing should be undertaken only after receiving adequate rainfall for proper seed germination. Harvested produce and agricultural inputs should be stored in safe, covered places to protect them from rain and strong winds. Orchards should be kept weed-free and young fruit plants adequately supported against gusty winds.
- In Malwa Plateau Zone, harvest green gram crops at physiological maturity and store produce safely to avoid rainfall damage. Nursery raising of tomato, chilli, Kharif onion, and other vegetable crops may be initiated according to rainfall occurrence and soil moisture availability. In cucurbit crops and other vegetables, irrigation should be regulated based on rainfall received, and proper drainage should be maintained to prevent water stagnation. During thunderstorms, avoid field operations, spraying, and fertilizer application.
- In the Satpura Plateau Zone, considering the forecast of thunderstorms, lightning, and gusty winds (40–60 kmph), cover nursery plants with shade nets or other suitable materials and provide mechanical support to banana and young fruit plants to prevent wind damage. Harvest mature fruits promptly. Complete procurement of quality seeds, fertilizers, and plant protection chemicals for Kharif cultivation, and start sowing only after receiving about 100 mm of cumulative monsoon rainfall. Take up green manuring with dhaincha or sunhemp after the onset of monsoon. Select recommended high-yielding varieties of soybean, maize, and cotton and treat seeds before sowing. Prepare raised nursery beds for tomato, chilli, brinjal, and cauliflower. Sow cucurbits and beans under suitable soil moisture conditions. Continue need-based irrigation in mango, lemon, and other fruit orchards.
- In Vindhya Plateau Zone, harvest mature green gram and summer onion promptly, dry the produce to safe moisture levels before storage. Prepare rice nurseries on raised, well-levelled beds with adequate drainage, treat seeds before sowing, and maintain optimum moisture for healthy seedling establishment. Support branches of fruit trees and provide staking to cucurbit crops to minimize wind damage. In mango orchards, provide need-based irrigation and mulching, collect and destroy fallen fruits, and monitor for fruit fly and fungal diseases.
- In Central Narmada Valley, complete harvesting of mature green gram crops at the earliest and store the produce in a dry and safe place to avoid losses. Harvest marketable fruits of brinjal, chilli, tomato, and okra regularly and prepare nursery beds for the next crop cycle. Mango growers should harvest mature fruits promptly and handle them carefully to minimize post-harvest losses. In sugarcane, carry out intercultural

operations and maintain effective drainage; monitor the crop for top borer incidence and take recommended control measures if infestation is observed. Maintain proper drainage in vegetable fields and monitor crops for insect pests and diseases, particularly fruit and shoot borers in brinjal and okra, and whitefly-transmitted leaf curl disease in tomato; remove affected plant parts or infected plants to reduce further spread.

- In Bundelkhand Zone, complete harvesting, threshing, and safe storage of mature green gram and black gram crops at the earliest to avoid weather-related losses. Harvested produce should not be left exposed in the field and must be stored in covered and dry locations. Also arrange quality seeds, fertilizers, and other essential inputs for upcoming Kharif sowing operations. To enhance rainwater conservation during the monsoon season, repair field bunds and create farm ponds or water harvesting structures wherever feasible. Mango growers should immediately harvest ripe fruits, sort and market them promptly to minimize damage from rainfall and strong winds.
- In Jhabua Hill Zone, harvest mature vegetables, fruits, green gram, and other ready crops at the earliest and store the produce in a safe, covered place; dry the harvested green gram thoroughly in sunlight before threshing and storage. In mango orchards, harvest ripe fruits promptly, undertake orchard maintenance, and prepare pits for new plantations using a mixture of soil, compost, and sand. Prepare paddy nurseries and fields for upcoming sowing operations. Prepare fields and treat seed rhizomes with recommended fungicides before planting ginger and turmeric.

Chhattisgarh

- In the North Hill Zone, complete field preparation for Kharif crops and maintain proper drainage arrangements to avoid water stagnation in low-lying areas. Deep ploughing, application of well-decomposed farmyard manure, and procurement of certified seeds, fertilizers, and plant protection inputs should be completed in advance. Paddy growers may prepare nursery beds and undertake nursery sowing, ensuring seed treatment before sowing to prevent seed- and soil-borne diseases. In vegetable crops such as okra, brinjal, cucurbits, and other summer vegetables, maintain adequate moisture through need-based irrigation during dry spells. Install pheromone traps (10 traps/acre) for monitoring and management of fruit borer in okra and brinjal and remove infested plant parts. Banana and papaya growers should continue need-based irrigation and nutrient application. Papaya seedlings may be raised in polybags for transplanting with the onset of monsoon.
- In the Bastar Plateau Zone, complete field preparation for Kharif sowing and ensure proper drainage in crop fields. For paddy cultivation, farmers should select suitable high-yielding varieties according to land situation. For minor millets, improved varieties such as Indira Kodo, CG Kodo-1 and 3, Indira Ragi-1, CG Ragi-2 and 3, and CG Kutki-1, 2 and 3 are recommended. In summer maize at silking stage, undertake earthing-up operations to prevent lodging and provide irrigation at critical growth stages wherever required. Prepare fields and arrange quality seeds for rainy-season vegetables and pulse crops. Provide staking to tomato, cucumber and bitter melon, and maintain proper drainage in vegetable fields to minimize fungal disease incidence after rainfall. Apply need-based irrigation in mango, citrus and other orchards.
- In the Chhattisgarh Plain Zone, complete field preparation for Kharif crops and undertake sowing operations as per prevailing soil moisture conditions. For direct-seeded rice, use recommended seed drills or line-sowing implements, maintaining 20 cm row spacing and a seed depth of 3–4 cm. Ensure proper calibration of seed drills before sowing and adopt timely weed management through recommended pre-emergence herbicides. Prepare fields for line sowing soybean, pigeon pea (arhar), and groundnut; seed treatment with suitable biofertilizers such as Rhizobium, PSB, and Trichoderma is strongly advised to improve germination, nutrient availability, and disease protection; owing may be initiated when adequate soil moisture is available. In banana and papaya orchards, continue need-based irrigation through drip systems or irrigate at 3–4 day intervals depending on rainfall received, while ensuring proper drainage to prevent water stagnation.

Animal Husbandry

- In Madhya Pradesh, provide adequate clean drinking water, green fodder, dry fodder, and mineral mixture, and keep animals in well-ventilated shaded sheds to minimize heat stress. Watch for symptoms of heat stress

(panting, reduced feed intake); sprinkle water or use fans if needed. Animals should be protected from lightning and strong winds by avoiding open grazing during adverse weather conditions.

- In Chhattisgarh, provide clean drinking water, balanced feed, mineral mixture, and sufficient shade to animals. Maintain proper hygiene during milking to prevent mastitis. Poultry farmers are advised to keep litter dry and ensure timely vaccination of chicks against Ranikhet disease.

NORTH INDIA [JAMMU & KASHMIR (UTs), HIMACHAL PRADESH, UTTARAKHAND, PUNJAB, HARYANA, DELHI, UTTAR PRADESH & RAJASTHAN]

Realised Rainfall: Significant rainfall occurred over Solan district of Himachal Pradesh; over Ganderbal district in Jammu & Kashmir; over Almora, Tehri Garhwal, Nainital and Rudraprayag districts in Uttarakhand; over Maharajganj district of Uttar Pradesh; over East Delhi district of Delhi and over Ajmer, Bhilwara, Bundi, Kota, Tonk districts of Rajasthan. Weather was mainly dry over rest of the region.

Advisories:

- As **rain/thundershowers at many/most places** likely over Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh during next 24 hours, over Himachal Pradesh, Uttarakhand during next 48 hours and **Heavy Rainfall** very likely at isolated places over Uttarakhand and West Uttar Pradesh during next 24 hours, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid waterlogging.
- As **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi during next 24 hours, harvest matured fruits & vegetables at the earliest. Use hail-net or hail-cap in fruit orchards and fruit-bearing vegetables to prevent mechanical damage.
- As **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over Haryana, Chandigarh & Delhi, Punjab & West Uttar Pradesh during next 24 hours and over Rajasthan during next 48 hours; **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over East Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Uttarakhand during next 24 hours; **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Uttar Pradesh on 13th, over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana, Chandigarh & Delhi on 13th & 14th, over Uttarakhand during 13th to 15th, over Rajasthan during 14th to 16th June, 2026, provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.
- As **Heat Wave conditions** very likely at isolated places over West Rajasthan during next 48 hours and over Vidarbha during next 5 days, apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures. Keep animals in shade and provide plenty of clean and cool water to drink.

Himachal Pradesh

- In High Hill Temperate Dry Zone, undertake transplanting of tomato and cucumber and apply irrigation immediately for better establishments of seedlings. Apply irrigation to rajmash as per requirement.
- In Mid Hills Sub Humid Zone, provide proper support to tomato plants such as staking, at growth stage to prevent lodging, enhance air circulation, and improve fruit yield and quality. Remove lower leaves up to 10–15 cm from ground level to reduce the risk of soil-borne diseases. Make proper drainage channels in the field.
- In Sub Montane and Low Hills Sub Tropical Zone, complete nursery sowing of rice. Complete sowing of maize. Undertake sowing of fodder maize, along with soybean or cowpea. To control the attack of red pumpkin beetle in cucurbitaceous crops, spray Dichlorvos 76 EC (DDVP) @ 1g per litre of water.
- In High Hills Sub Temperate Wet Zone, beans are shallow-rooted and are sensitive to an oversupply of water. Therefore, avoid excessive watering and water logging conditions. Carry out intercultural operations in capsicum. Continue harvesting mature bulbs of onion and garlic. Leaf-eating insect pests may occur during

early crop stages of okra, French bean and cucurbitaceous crops. For management, spray Malathion 50 EC @ 750 ml in 750 litres of water for one hectare, when weather is clear.

U.T. of Jammu & Kashmir

- In Sub Tropical Zone, undertake nursery sowing of Basmati 370 and Ranbir Basmati rice. Undertake land preparation for early sowing of maize. Apply irrigation to summer fodder (maize + cowpea + charri) and bajra as per requirement. Carry out hoeing and weeding in ginger and turmeric, to conserve soil moisture.
- In Intermediate Zone, undertake land preparation for transplanting of rice in areas, where seedlings are approaching near 4-6 leaf stage. Undertake sowing of maize in intermediate areas after ensuring rainfall. If attack of bacterial wilt is observed in tomato, brinjal, chilli and cucurbits, spray Streptocycline Sulphate @ 1g per 10 litres of water during clear weather and repeat the spray at the time of flowering.
- In Valley Temperate Zone, continue transplanting of rice. For better tillering shallow transplanting should be adopted. Avoid root damage to seedlings during uprooting and wilting of seedlings after uprooting. Carry out gap filling within weeks' time. Reduce the weeds by proper puddling and water management in rice. Maintain 5 cm water level in rice fields to reduce weed growth by smothering effect. Carry out intercultural operations in maize. Continue sowing of fodder maize and sorghum.

U.T. of Ladakh

- In Cold Arid Zone, maintain wider plant spacing in cole crops to allow good air circulation and lower canopy humidity. Ensure excellent field drainage as wet, stagnant water triggers bacterial and fungal growth. Avoid overhead watering; use drip or furrow irrigation to keep the foliage dry. Manually remove damaged leaves or caterpillars in the early stages. Wheat is at tillering stage and this stage is highly sensitive to water scarcity. Ensure the soil remains moist by providing light irrigations. Avoid waterlogging or flooding the fields; maintain proper drainage channels to prevent root rot. Perform one round of careful hoeing and weeding within the first month after germination. Prioritize efficient irrigation in barley using glacial meltwater and targeted weed management, because Leh has a short, high-altitude growing season. Hence timely water management is critical to prevent moisture stress and ensure strong tiller development in barley. Apply irrigation to mustard, pea and lentil as per requirement.

Uttarakhand

- In Bhabar and Tarai Zone, continue nursery sowing of rice. Undertake harvesting of mature Zaid green gram during clear weather. Undertake sowing of early varieties of red gram. Continue harvesting of mature maize cobs. Undertake transplanting of brinjal. Complete harvesting of matured chilli. Undertake land preparation for planting of ginger and turmeric in monsoon.
- In Hill Zone, undertake transplanting of rice seedlings. Continue sowing of finger millets. Carry out intercultural operations in maize. Carry out weeding, hoeing and thinning operation in amaranth. Carry out intercultural operations and mulching in ginger. Undertake transplanting of cabbage seedlings. To control shoot and fruit borer in brinjal and tomato crops, the infested fruits and shoots should be collected and buried inside the soil.
- In Sub Humid and Sub Tropic Zone, maintain proper drainage channels in barnyard millet, to drain out excess water and avoid water logging. Avoid sowing of finger millets during adverse weather. Undertake nursery sowing of rice during clear weather.

Punjab

- In Western Zone, continue sowing of maize during the mid of June. Undertake nursery sowing of rice up to 20th June. Apply light and frequent irrigation to standing crops, fruit plants and vegetable crops. Downy mildew of cucurbits can cause serious damage under favourable weather conditions; avoid flood irrigation and destroy overwintering vines to prevent this disease; spray Chlorothalonil @ 400g/acre and Cymoxanil 8%+ Mancozeb 64% WP) @ 600g /acre for effective control.
- In Western Plain Zone, continue nursery sowing of rice and apply irrigation to rice nursery during evening hours. Apply irrigation to sugarcane at an interval of 7-10 days depending upon the type of soil.
- In Undulating Plain Zone, using recommended varieties, undertake sowing of maize and soybean during the

first fortnight of June. Apply irrigation to standing crops, fruit plants and vegetable crops as per requirement. Harvest muskmelon and watermelon only after they attain complete maturity. Arrange proper staking or support for young fruit plants when strong winds or storms are expected. Pick okra, bottle gourd, cucumber, bitter gourd, sponge gourd, *tinda*, and summer squash at the tender stage. Irrigate sugarcane crop at 7-12 days interval for better growth of the crop.

- In Sub Montane Undulating Zone, undertake harvesting of green gram. Continue nursery bed preparation for sowing of rice. Continue sowing of pigeon pea, soybean, groundnut and maize with irrigation facilities. Undertake planting of ginger under optimum soil moisture conditions. Irrigate vegetable crops at weekly intervals depending upon soil and climate conditions.
- In Central Plain Zone, harvest fruits of okra, bottle gourd, cucumber, bitter gourd, sponge gourd, *tinda*, and summer squash when green and tender in evening hours to avoid disruption in pollination. Undertake nursery sowing of short duration varieties of rice in first fortnight of June. Continue sowing of maize & okra. Irrigate sugarcane crop at 7-12 days interval. To protect tomato crop from early blight, spray Indofil M-45 @ 600 g/acre in 200 litres of water.

Haryana

- In Western Zone and Eastern Zone, undertake the late sowing of American cotton/Bt cotton with recommended hybrid varieties after seed treatment. Prepare the field for nurseries of rice crop with apply of compost @ 10 to 12 carts per acre. Apply regular need based irrigation to the rice nursery to protect from the high temperature. Complete the sowing of leafy vegetable, lady's finger, bottle gourd, cucumber, ridge gourd summer radish. Apply irrigation at early morning and late evening, if needed during clear weather condition.

Delhi

- Undertake preparation of paddy nursery and nurseries for early cauliflower, tomato, chilli and brinjal. Sowing of pigeon pea may be done in this week. Undertake sowing of green gram and black gram; ensure proper moisture for optimum germination. After harvesting of mature okra, apply urea @ 5-10 kg/acre followed by light irrigation; monitor crop against attack of mites, jassids and hoppers.

Uttar Pradesh

- In the Central Zone, the prevailing weather is favourable for harvesting, threshing and storage of mature maize, black gram and green gram crops. Begin field preparation for kharif maize and paddy nurseries using recommended varieties and quality seeds from reliable sources. Nursery raising of brinjal, chilli and early cauliflower, and sowing of cucurbit vegetables and okra may be taken up under favourable conditions. Light irrigation may be provided to standing crops as required to maintain adequate soil moisture, preferably during evening hours. In mango orchards, undertake irrigation as required and prepare pits for new plantations.
- In the Western Plain Zone, considering the of below-normal monsoon rainfall, rainfed farmers are advised to prefer less water-intensive crops such as millets (Shri Anna), maize, urad, moong and sesame over paddy. Adopt rainwater-harvesting measures, and use conserved water judiciously for lifesaving irrigation. Apply phosphatic fertilizers and organic manures during land preparation to improve soil moisture retention and crop resilience under moisture-stress conditions. Maintain adequate soil moisture in summer crops, sugarcane, vegetables and fruit orchards such as mango and litchi. Under the prevailing warm and humid conditions, regularly monitor sugarcane for top borer infestation; to control, cut and destroy affected young plants at ground level; in case of severe infestation, apply 150 ml of Chlorantraniliprole 18.5% SC mixed in 400 litres of water per acre through drenching/irrigation.
- In the Bundelkhand Zone, harvest mature Zaid black gram and green gram crops at the earliest and store the produce safely. Complete field bunding and land levelling before the onset of monsoon to conserve rainwater and improve moisture management. Start field preparation for sowing kharif crops. This is a suitable time for raising paddy nurseries using recommended varieties and good quality seeds. Farmers may also initiate nursery raising of improved varieties of rainy-season vegetables. Under the prevailing warm and humid weather conditions, regularly monitor chilli and brinjal crops for fruit borer infestation; apply 2% Neem oil to control fruit borers and white fly insects.

- In the Eastern Plain Zone, for paddy cultivation, nurseries of long-duration varieties (>145 days) should be raised first, followed by medium-duration varieties (120–140 days) followed by short-duration varieties (100–120 days). Only treated seed should be used for raising nurseries. Do not allow water stagnation in paddy nurseries. If irrigation is required, it should preferably be done during the evening hours. Farmers who have sown pulse crops like green gram, black gram and cowpea as intercrop with sugarcane, should apply irrigation and carry out weed management and pest management from time to time.

Rajasthan

- In the Sub-Humid Southern Plain and Aravali Hill Zone, undertake sowing of groundnut and green fodder crops like sorghum, bajra, maize and lobia. Prepare nursery for tomato.
- In the Flood-Prone Eastern Plain Zone, for control of fruit and shoot borer in brinjal, spray Flubendiamide 20 WDG @ 7.5g/10 litre water.
- In Transitional Plain Zone of Inland Drainage Zone, undertake preparation for sowing of pearl millet and groundnut.
- In Hyper Arid Partially Irrigated Western Plain Zone, provide timely irrigation to horticultural fruit crops such as date palm, kinnow, orange, and lemon, as well as vegetable crops like kakri, watermelon, muskmelon, tinda, and tomato.
- In Semi-Arid Eastern Plain Zone, undertake sowing of irrigated cotton. Start field preparation for irrigated groundnut.
- In Arid Western Plain Zone, undertake land preparation for planting of fruit plants. Provide irrigation to vegetable and orchard crops.
- In Irrigated North Western Plain Zone, start field preparation for sowing of cluster bean.
- In Southern Humid Plain Zone, harvest mung bean crop at maturity stage. Prepare the field and start sowing of cotton in irrigated areas. Start nursery preparation for paddy.
- In Southeastern Humid Plain Zone, complete land preparation for kharif crops such as soybean, maize, pigeon pea and groundnut.

Animal Husbandry

- In Uttar Pradesh, keep animals in open but safe shelter at night; provide shaded, well-ventilated area during daytime. Avoid tying animals under trees due to risk of falling branches in strong winds. Ensure vaccination against Foot and Mouth Disease (FMD) and Haemorrhagic Septicaemia (HS). Provide balanced feed: green fodder, dry fodder, and grains; ensure clean water 3–4 times daily. Carry out deworming as per veterinary advice. Sprinkle water on curtains/sides of poultry shed to maintain cooling conditions.
- In Rajasthan, to protect animals from heat and high temperature, keep them in a shaded and well-ventilated area. Make arrangements to shield them from rain, intense sunlight, and other adverse weather conditions.

Floriculture

- In Sub Montane and Low Hills Sub Tropical Zone of Himachal Pradesh, to control rotting disease in marigold, spray Bavistin @ 1g per litre or Indofil-M 45 @ 2 ml per litre of water on clear sky days. Carry out earthing up operation in gladiolus and disbudding in carnation. Ensure mulching in open fields to retain moisture and control weeds. Ensure shade net houses and poly houses are well-ventilated.
- In Sub Tropical Zone of Jammu & Kashmir, carry out hoeing and weeding in summer annuals and tuberose. Undertake land preparation and sowing of seeds for raising nursery of rainy annuals. In Intermediate Zone, remove dry, diseased and damaged plant parts to promote new growth. Undertake weeding and hoeing to keep beds clean and aerated. Apply organic manure (FYM/vermicompost) and basal fertilizers in flower beds. Prevent fungal diseases by ensuring proper drainage and spacing. Maintain light irrigation depending on temperature. In view of possibility of strong surface winds, provide staking to gladiolus and other tall flowers to prevent lodging.

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