



# राष्ट्रीय कृषि मौसम परामर्श सेवा बुलेटिन

## National Agromet Advisory Service Bulletin

शुक्रवार, दि. 30 मई 2025

(अवधि: 30 मई से 03 जून 2025)

Friday, 30<sup>th</sup> May 2025

(For the period 30<sup>th</sup> May to 03<sup>rd</sup> June 2025)

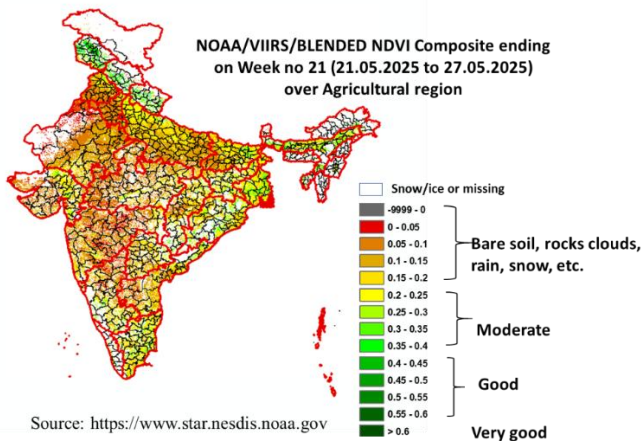


कृषि मौसम विज्ञान प्रभाग,  
भारत मौसम विज्ञान विभाग, पुणे  
द्वारा जारी

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

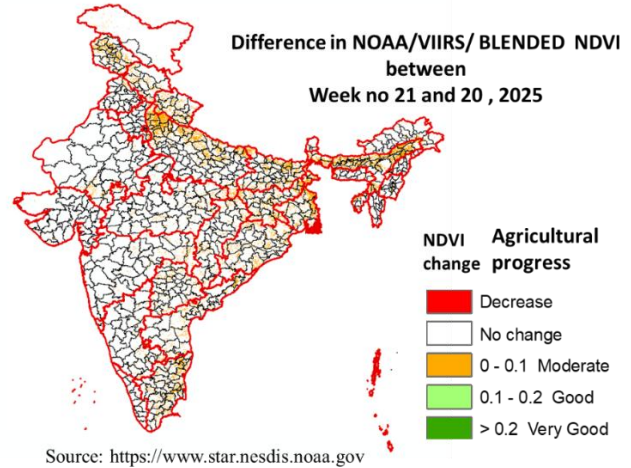


## NOAA/VIIIRS/BLENDED NDVI composite for the week number 21 (21.05.2025 to 27.05.2025) over Agricultural regions of India



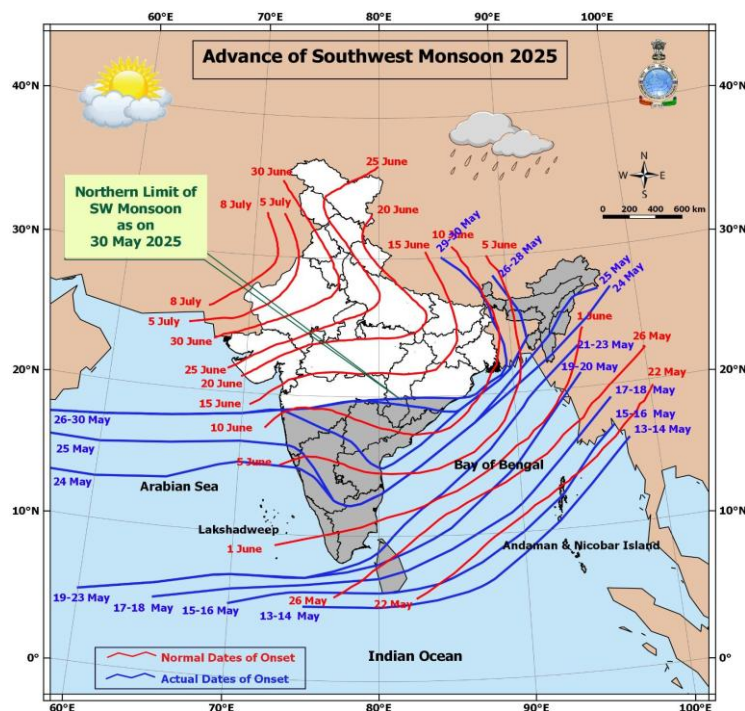
Agricultural vigour was good at many places in Valley region of Jammu & Kashmir; at few places of Himachal Pradesh & Uttarakhand and at isolated places of North Eastern states.

## Difference in NOAA/VIIIRS/BLENDED NDVI between week number 21 and 20, 2025



Difference in Agricultural vigour was good at few places of Valley region of Jammu & Kashmir, Uttarakhand & North Eastern States and at isolated places of Himachal Pradesh.

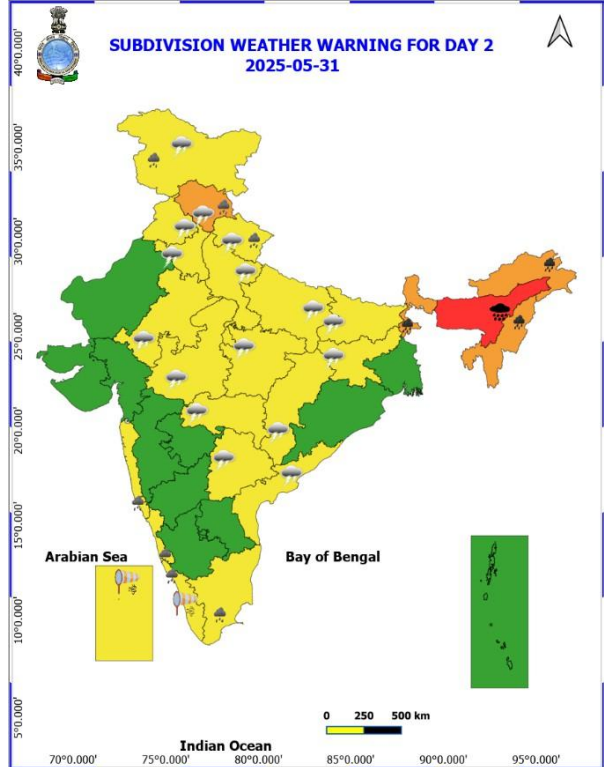
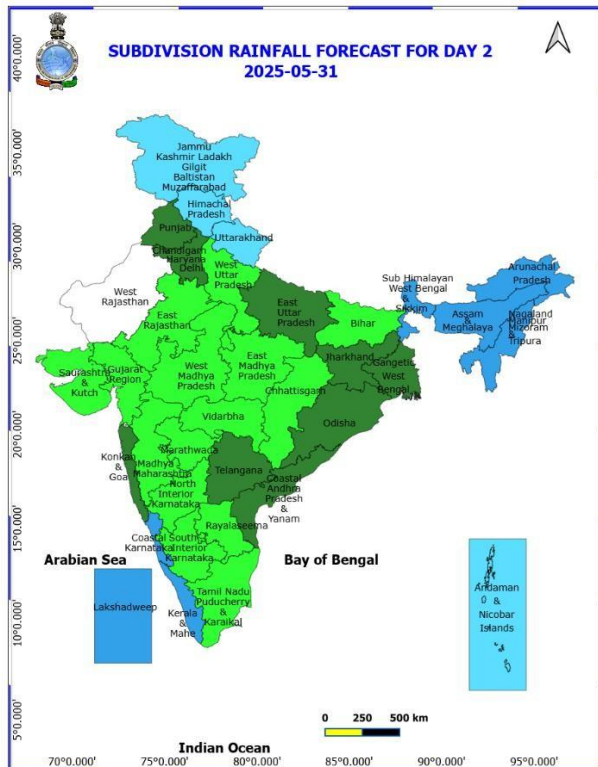
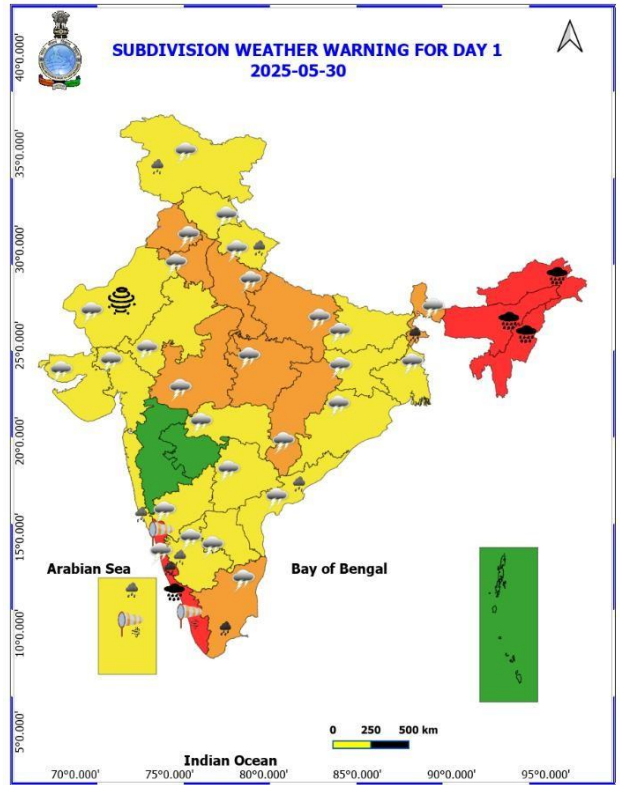
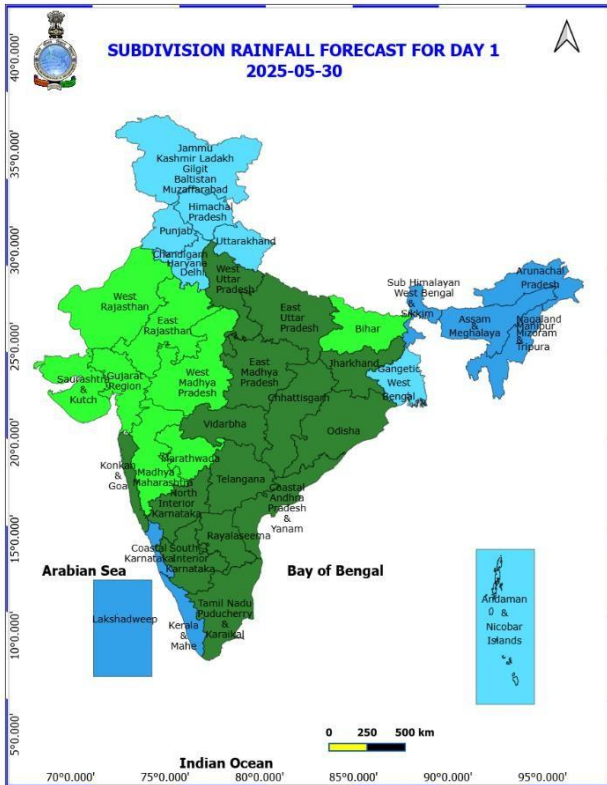
## Advance of Southwest Monsoon 2025

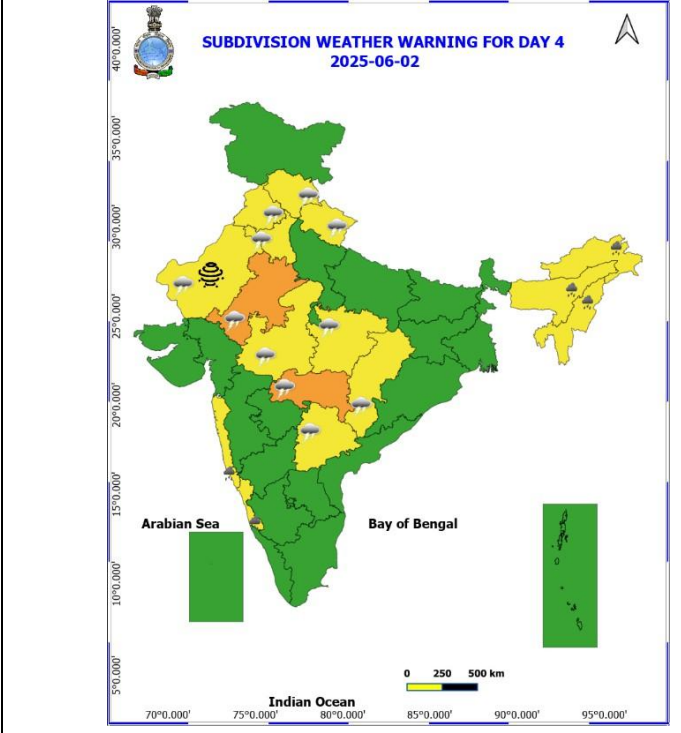
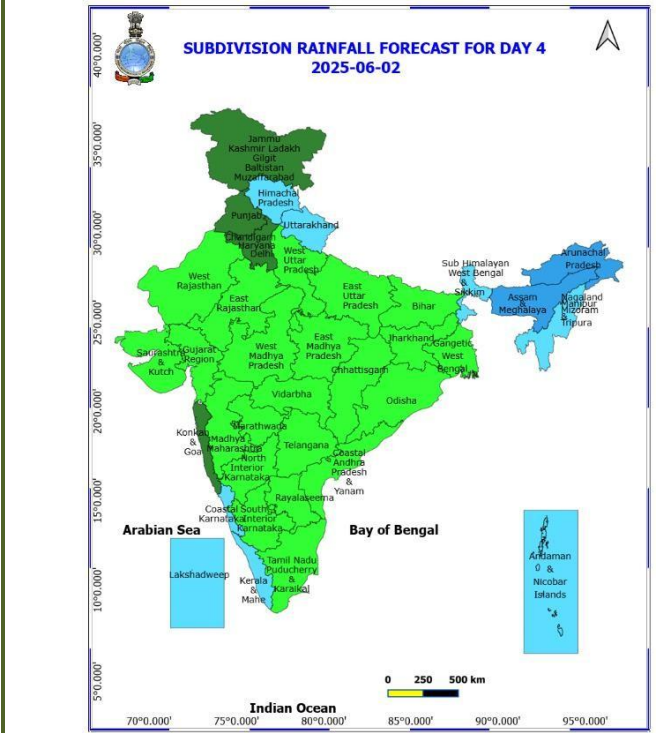
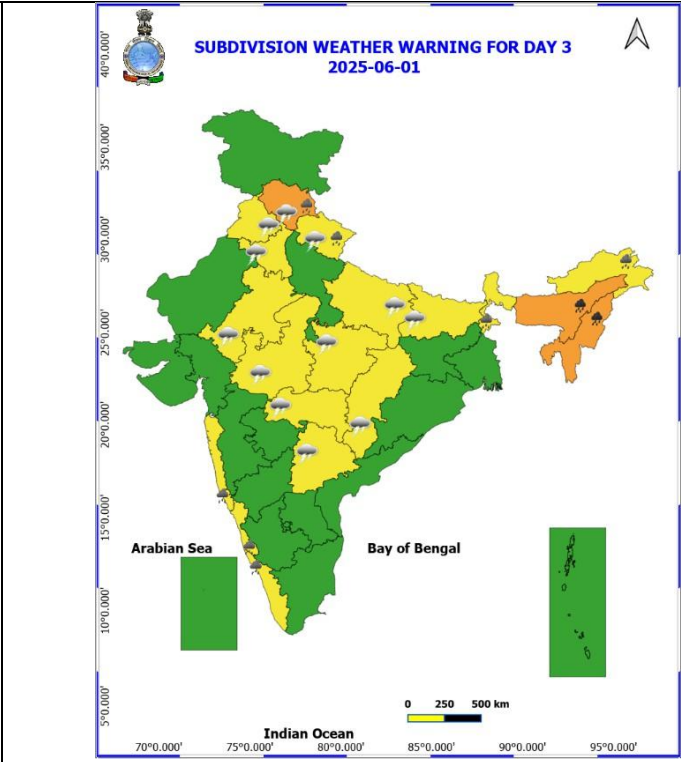
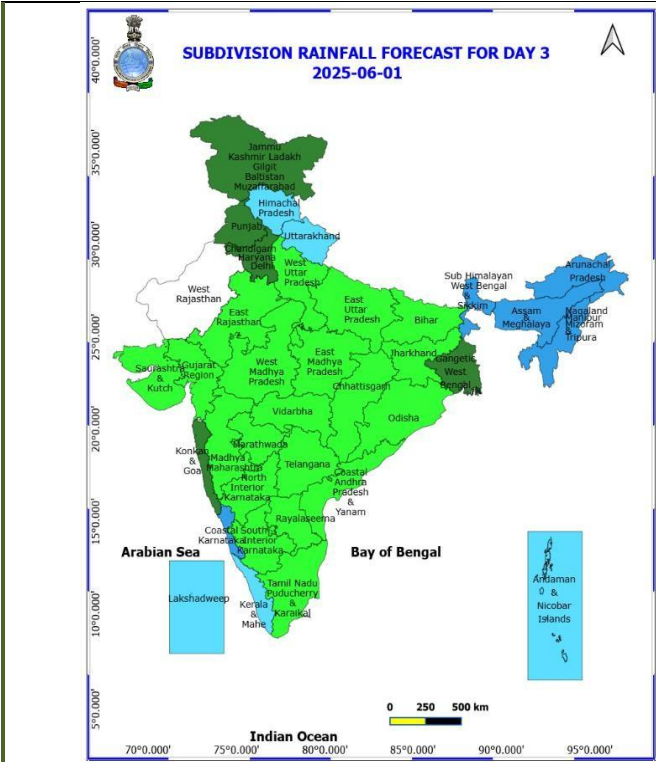


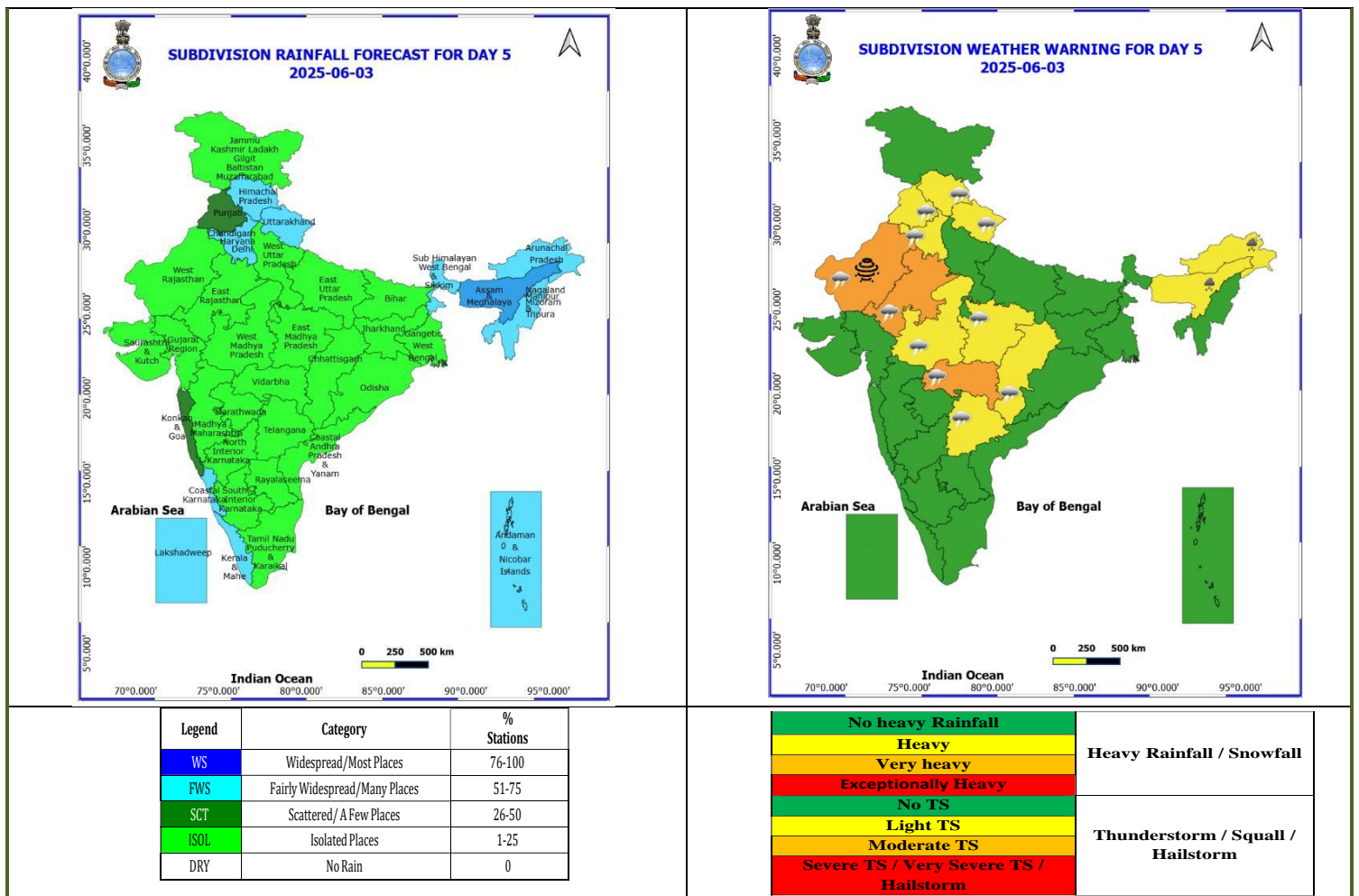
❖ The Northern Limit of Monsoon continues to pass through 17.0°N/55°E, 17.5°N/60°E, 18°N/65°E, 18.5°N/70°E, Mumbai, Ahilyanagar, Adilabad, Bhawanipatna, Puri, Sandhead Island, 23.5°N/89.5°E, Balurghat, 30°N/85°E.



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







Weather Warning during next 5 days

**30th May (Day 1)**

- ◆ **Exceptionally heavy rainfall (>30 cm)** very likely at isolated places over Meghalaya.
- ◆ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe and Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Heavy to Very Heavy Rainfall** very likely at isolated places over Costal Karnataka, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ◆ **Heavy Rainfall** very likely at isolated places over Coastal Andhra Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan- Muzaffarabad, Konkan & Goa, Lakshadweep, South Interior Karnataka and Uttarakhand.
- ◆ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab and Uttar Pradesh.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Bihar, Gangetic West Bengal, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan, Tamil Nadu Puducherry & Karaikal, Uttarakhand and Vidarbha.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Costal Karnataka, Gujarat State, Interior Karnataka, Jharkhand, Odisha, Sub Himalayan West Bengal & Sikkim and Telangana.
- ◆ **Dust Storm** very likely at isolated places over West Rajasthan.
- ◆ **Strong Surface Winds** very likely at isolated places over Costal Karnataka, Kerala & Mahe and Lakshadweep.



- ◆ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast, many parts of southwest Arabian Sea and adjoining parts of west central Arabian Sea, some parts of southeast Arabian Sea, Lakshadweep area, along and off Gujarat coast and adjoining northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over south Arabian Sea, southern parts of central Arabian Sea; along and off Kerala, Karnataka, Goa coasts, over Lakshadweep area, Maldives area, Comorin area, along and off Sri Lanka, Tamil Nadu coasts, off Andhra Pradesh, Odisha coasts, along and off Myanmar coast, over south and central Bay of Bengal, over Andaman Sea. **Squally weather with wind speed 40 kmph to 50 kmph gusting to 60 kmph** over some parts of northwest Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area, many parts of northeast and adjoining northwest Bay of Bengal, along and off West Bengal, Bangladesh coasts, some parts of central and southwest Bay of Bengal. Fishermen are advised not to venture into these areas.

### 31st May (Day 2)

- ◆ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ◆ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ◆ **Heavy Rainfall** very likely at isolated places over Coastal Karnataka, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit- Baltistan-Muzaffarabad, Kerala & Mahe, Konkan & Goa, Tamil Nadu Puducherry & Karaikal and Uttarakhand.
- ◆ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Himachal Pradesh.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Bihar, Chhattisgarh, East Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Madhya Pradesh.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over East Rajasthan, Haryana, Chandigarh & Delhi, Jharkhand, Punjab, Telangana, Uttarakhand, Vidarbha and West Uttar Pradesh.
- ◆ **Thunderstorm accompanied with Lightning** very likely at isolated places over Coastal Andhra Pradesh.
- ◆ **Strong Surface Winds** very likely at isolated places over Kerala & Mahe and Lakshadweep.
- ◆ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast, many parts of southwest Arabian Sea and adjoining parts of west central Arabian Sea, some parts of southeast Arabian Sea, Lakshadweep area, along and off Gujarat coast and adjoining northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over south Arabian Sea, southern parts of central Arabian Sea; along and off Kerala, Karnataka coasts, over Lakshadweep area, Maldives area, Comorin area, along and off Sri Lanka coast, off Tamil Nadu, Andhra Pradesh, coasts, along and off West Bengal, Bangladesh, Myanmar coasts, over most parts of south, central & north Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area, many parts of south and adjoining parts of central Bay of Bengal. Fishermen are advised not to venture into these areas.

### 01st June (Day 3)

- ◆ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Coastal Karnataka, Himachal Pradesh, Kerala & Mahe, Konkan & Goa, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ◆ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Himachal Pradesh.

- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Bihar, Chhattisgarh and Madhya Pradesh.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over East Rajasthan, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab, Telangana, Uttarakhand and Vidarbha.
- ◆ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast and adjoining parts of southwest Arabian Sea & westcentral Arabian Sea, along and off Gujarat coast and adjoining northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over southeast Arabian Sea & adjoining parts of eastcentral Arabian Sea; along and off Kerala, Karnataka coasts, over Lakshadweep area, Maldives area, Comorin area, off Sri Lanka, Tamil Nadu, Andhra Pradesh coasts, over most parts of south, central & north Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area. Fishermen are advised not to venture into these areas.

#### 02nd June (Day 4)

- ◆ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, Konkan & Goa and Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over East Rajasthan and Vidarbha.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Chhattisgarh, Himachal Pradesh, Madhya Pradesh and West Rajasthan.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Telangana and Uttarakhand.
- ◆ **Dust Storm** likely at isolated places over West Rajasthan.
- ◆ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast and adjoining sea area, off north Gujarat coast and some parts of northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over southeast Arabian Sea & adjoining parts of eastcentral Arabian Sea, Lakshadweep, Maldives and Comorin areas, most parts of south, central Bay of Bengal & some parts of north Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area. Fishermen are advised not to venture into these areas.

#### 03rd June (Day 5)

- ◆ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, Konkan & Goa and Nagaland, Manipur, Mizoram and Tripura.
- ◆ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over East Rajasthan and Vidarbha.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Chhattisgarh, Himachal Pradesh, Madhya Pradesh and West Rajasthan.
- ◆ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Telangana and Uttarakhand.
- ◆ **Dust Storm** likely at isolated places over West Rajasthan.
- ◆ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast and adjoining sea area, off north Gujarat coast and some parts of northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over southeast Arabian Sea & adjoining parts of eastcentral Arabian Sea, Lakshadweep, Maldives and Comorin areas, most parts of south, central Bay of Bengal & some parts of north Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area. Fishermen are advised not to venture into these areas.

### Advisory for fishermen

- As **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast, many parts of southwest Arabian Sea and adjoining parts of west central Arabian Sea, some parts of southeast Arabian Sea, Lakshadweep area, along and off Gujarat coast and adjoining northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over south Arabian Sea, southern parts of central Arabian Sea; along and off Kerala, Karnataka, Goa coasts, over Lakshadweep area, Maldives area, Comorin area, along and off Sri Lanka, Tamil Nadu coasts, off Andhra Pradesh, Odisha coasts, along and off Myanmar coast, over south and central Bay of Bengal, over Andaman Sea. **Squally weather with wind speed 40 kmph to 50 kmph gusting to 60 kmph** over some parts of northwest Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area, many parts of northeast and adjoining northwest Bay of Bengal, along and off West Bengal, Bangladesh coasts, some parts of central and southwest Bay of Bengal on 30 May, 2025; **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast, many parts of southwest Arabian Sea and adjoining parts of west central Arabian Sea, some parts of southeast Arabian Sea, Lakshadweep area, along and off Gujarat coast and adjoining northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over south Arabian Sea, southern parts of central Arabian Sea; along and off Kerala, Karnataka coasts, over Lakshadweep area, Maldives area, Comorin area, along and off Sri Lanka coast, off Tamil Nadu, Andhra Pradesh, coasts, along and off West Bengal, Bangladesh, Myanmar coasts, over most parts of south, central & north Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area, many parts of south and adjoining parts of central Bay of Bengal on 31 May, 2025; **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast and adjoining parts of southwest Arabian Sea & westcentral Arabian Sea, along and off Gujarat coast and adjoining northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over southeast Arabian Sea & adjoining parts of eastcentral Arabian Sea; along and off Kerala, Karnataka coasts, over Lakshadweep area, Maldives area, Comorin area, off Sri Lanka, Tamil Nadu, Andhra Pradesh coasts, over most parts of south, central & north Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area on 01 June, 2025; **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast and adjoining sea area, off north Gujarat coast and some parts of northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over southeast Arabian Sea & adjoining parts of eastcentral Arabian Sea, Lakshadweep, Maldives and Comorin areas, most parts of south, central Bay of Bengal & some parts of north Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area on 02 June, 2025; **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast and adjoining sea area, off north Gujarat coast and some parts of northeast Arabian Sea. **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over southeast Arabian Sea & adjoining parts of eastcentral Arabian Sea, Lakshadweep, Maldives and Comorin areas, most parts of south, central Bay of Bengal & some parts of north Bay of Bengal. **Squally weather with wind speed 45 kmph to 55 kmph gusting to 65 kmph** prevailing over Gulf of Mannar and adjoining Comorin area on 03 June, 2025, **fishermen are advised not to venture into these areas.**

### Salient advisories

- As **rain/thundershowers** are very likely at many/most places likely over Punjab and Gangetic West Bengal during next 24 hours, over Jammu & Kashmir during next 48 hours, over Kerala & Mahe, Coastal Karnataka, Lakshadweep, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura, Sub



Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Himachal Pradesh and Uttarakhand during next 5 days and over Haryana Chandigarh & Delhi on 30<sup>th</sup> May & 3<sup>rd</sup> June and **Exceptionally heavy rainfall (>30 cm)** very likely at isolated places over Meghalaya during next 24 hours; **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** at isolated places over Arunachal Pradesh, Kerala & Mahe and Nagaland Manipur Mizoram Tripura during next 24 hours, over Assam & Meghalaya during next 48 hours; **Heavy to Very Heavy Rainfall** at isolated places over Coastal Karnataka, and Tamil Nadu Puducherry & Karaikal during next 24 hours, over Sub Himalayan West Bengal & Sikkim during next 48 hours, over Arunachal Pradesh on 31<sup>st</sup> May, over Nagaland Manipur Mizoram and Tripura on 31<sup>st</sup> May and 1<sup>st</sup> June, over Assam & Meghalaya on 1<sup>st</sup> June; **Heavy Rainfall** at isolated places over Lakshadweep and South Interior Karnataka during 24 hours, over Jammu-Kashmir-Ladakh-Gilgit-Baltistan- Muzaffarabad during next 48 hours, over Uttarakhand during next 72 hours, over Konkan & Goa during next 5 days, over Andhra Pradesh during 30<sup>th</sup> May to 3<sup>rd</sup> June, over Tamil Nadu on 31<sup>st</sup> May, over Himachal Pradesh and Kerala on 31<sup>st</sup> May and 1<sup>st</sup> June, over Coastal Karnataka on 31<sup>st</sup> May to 3<sup>rd</sup> June, over Sub Himalayan West Bengal & Sikkim on 1<sup>st</sup> June, over Nagaland Manipur Mizoram & Tripura and Assam & Meghalaya on 2<sup>nd</sup> and 3<sup>rd</sup> June 2025, 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** - Postpone transplanting of rice. Undertake staking or give support to chilli/okra and other vegetable plants to prevent lodging or damage due to strong winds. If possible, harvest mature vegetables and fruits to avoid losses. Maintain proper drainage in the nursery bed of rice, field of chilli/okra and other vegetables and soybean. Cover the base of plants with natural mulching materials like farm residue and straw etc for Chilli/ Okra and other vegetables.
- **Assam** - postpone sowing of *Sali* rice in the nursery bed and cover the bed with thin polythene to avoid the adverse effect of rainfall. Ensure drainage system in the nursery bed. Provide mechanical support to orchards and staking in vegetables. Postpone fresh sowing of vegetables and drain out excess water from already sown vegetables. In **Hill Zone**, drain out excess water from standing crops (rice, sesame, maize and sugarcane). In **Central Brahmaputra Valley Zone**, tie peripheral jute plants (around the field) together by grouping 4–5 consecutive plants at a time. In **North Bank Plain Zone**, under wet condition, dry the harvested *boro* rice bundles well. Keep the bundles in upright position to prevent rotting /sprouting due to high humidity. Tie sugarcane plants in small bundles of 3-4 stalks to protect the crops from lodging. Drain out excess water from ginger / turmeric.
- **Meghalaya** - Avoid water stagnation around the base of bottle gourd and French bean plants to prevent collar rot and other root diseases. Provide strong bamboo stakes or trellis support early to keep the vines off the wet ground, reducing the risk of rot and fungal infections. Use propping (bamboo or wooden poles) to support heavily laden plants. Harvest matured vegetables, crops/ fruits immediately.
- **Mizoram** - Provide adequate drainage in already sown upland rice and maize. Cover the base of young sprouted rhizome with crop residue or perennial grass to reduce impact of rainfall.
- **Manipur** - Postpone sowing of finger millet, maize, black gram. Provide adequate drainage in the pre *khari* rice, soybean, already sown finger millet, maize, black gram, vegetables and orchard. Undertake propping in vegetables. Provide mulching with locally available materials in ginger and turmeric.
- **Nagaland** - Ensure proper run off management strategies in the slopes of Jhum paddy. Drain out excess water from cabbage, maize and orchards. Apply a layer of organic mulch (like dried leaves or straw) around the base of the cabbage to prevent soil erosion. Undertake propping in banana.
- **Tripura** - Postpone harvesting of rice and drain out excess water from unharvested rice fields, *Aus* rice nurseries and vegetables.
- **Sub Himalayan West Bengal** - In **Hill Zone**, undertake mulching for ginger and turmeric with locally available mulching materials. Drain out excess water from Dalley Khursani & tomato. Check all the supports of kiwi vines and reinforce additional support to plant to avert impact of heavy rain. In **Terai**

**Zone**, avoid threshing in *Boro* rice, Cover the harvested grains during rain with Tarpaulins.

- **Kerala** - In **Central Zone**, propping should be done to protect banana plants from heavy rain and wind. In **Southern Zone**, ensure proper drainage arrangements in the fields of banana and coconut. In **High Altitude Zone**, improve drainage facility. In **Problem Area Zone**, ensure propping in banana. Strengthen pandals of vegetable crops and adopt prophylactic spraying against fungal diseases. In **Northern Zone**, 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.
- **Coastal Andhra Pradesh** - In **North Coastal Zone**, immediately harvest paddy, summer sesame, mango & papaya, vegetables and shift to safer places if possible or postpone harvesting. Postpone sowing of early kharif sesame and green manure crops. Drain the excess water from sugarcane, sesame, vegetables and orchards. Take up propping in banana & staking of vegetables to prevent lodging. In **High Altitude Tribal Zone**, provide propping in banana to prevent lodging from wind/thunderstorms. Harvest matured mangoes and shift to safer places. Tie sugarcane in pairs or use earthing-up to prevent lodging due to strong winds. In **Krishna Godavari Zone**, postpone sowing of sesame. Drain out excess water from already sown crops. Harvest matured mangoes and vegetables.
- **Karnataka** - In **Coastal Zone**, provide good drainage facility in areca nut and banana. Provide support to avoid lodging of banana plant. In **Central Dry Zone**, avoid irrigation to paddy nurseries, vegetables, and fruit crops. In **South Transition Zone**, harvest matured mango and keep at safe places for ripening as heavy rainfall and wind speed may cause shattering of fruits. Stake/support crops like banana/tomato to prevent lodging. Continues precipitation, high humidity, low temperature which may increase the fruit rot and dropping areca nut, take up plant protection after the cessation of rainfall.
- **Tamil Nadu** - In **Western Zone**, as extremely heavy rainfall is expected along the Western Ghat areas and moderate rainfall in the interior districts, ensure adequate drainage for sugarcane, banana, and maize crops. Avoid water stagnation in rice nursery to prevent damping off disease. In **South Zone**, undertake earthing up in cotton. In **High Rainfall Zone**, proper drainage facilities should be given to young rubber, banana and fruit trees.
- **Himachal Pradesh** - In **Mid Hills Sub Humid Zone**, make proper drainage channels in the vegetable fields. In **High Hills Sub Temperate Wet Zone** ensure that young vegetable vines are adequately staked or trellised. Drain out excess water from vegetables.
- **Uttarakhand**- In Nainital and US Nagar districts, postpone direct sowing of Jethi Dhan and proper drainage should be provided in already sown fields. Postpone sowing of maize, barnyard millets and finger millets. Drain out excess water from rice nurseries, pigeon pea and already sown maize, barnyard millets and finger millets.

➤ As **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab and Uttar Pradesh during next 24 hours, over Himachal Pradesh on 31<sup>st</sup> May and 1<sup>st</sup> June, over East Rajasthan and Vidarbha on 2<sup>nd</sup> and 3<sup>rd</sup> June; **with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Gangetic West Bengal, Rajasthan, Tamil Nadu Puducherry & Karaikal, Uttarakhand and Vidarbha during next 24 hours, over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during next 48 hours, over Himachal Pradesh on 30<sup>th</sup> May, 1<sup>st</sup> and 3<sup>rd</sup> June, over East Uttar Pradesh on 31<sup>st</sup> May, over Bihar on 30<sup>th</sup> & 31<sup>st</sup> May and 1<sup>st</sup> June, over Madhya Pradesh and Chhattisgarh during 31<sup>st</sup> May to 3<sup>rd</sup> June, and over West Rajasthan on 2<sup>nd</sup> and 3<sup>rd</sup> June; **with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Karnataka, Gujarat State, Interior Karnataka, Odisha, Sub Himalayan West Bengal & Sikkim during next 24 hours, over Jharkhand during next 48 hours, over Telangana during next 5 days, over Punjab and West Uttar Pradesh on 31<sup>st</sup> May, over Vidarbha, East Rajasthan and East Uttar Pradesh on 31<sup>st</sup> May and 1<sup>st</sup> June, over Haryana, Chandigarh & Delhi and Jharkhand during 31<sup>st</sup> May to 3<sup>rd</sup> June 2025, harvest matured fruits & vegetables at the earliest; keep harvested produce in safe places. Provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.

- As **Dust Storm** very likely at isolated places over West Rajasthan on 30<sup>th</sup> May, 2<sup>nd</sup> & 3<sup>rd</sup> June 2025, avoid irrigation to prevent lodging due to loosening of soil. Provide staking to vegetable crops. Apply sprinkle irrigation after duststorm to remove dust from the plant canopies.
- Sowing/Transplanting/Harvesting
  - sowing of green gram, black gram, maize, bajra, sesame, *navane* and groundnut in North Interior Karnataka
  - nursery sowing of rice; sowing of maize, Bt cotton or desi cotton, groundnut and cauliflower in Punjab
  - sowing of American cotton/Bt cotton in Haryana
  - harvesting of matured summer maize, green gram and black gram; sowing of maize in Bihar
  - sowing of irrigated cotton in Rajasthan
  - harvesting of matured brown sarson; nursery sowing of rice, sowing of maize in Jammu & Kashmir
  - nursery sowing of rice; sowing of maize, finger millets and foxtail millets in Himachal Pradesh
  - harvesting of matured groundnut, green gram & rice; planting of turmeric & ginger in Maharashtra
- Pest and Disease
  - In Madhya Pradesh, spray Chlorantraniliprole 18.5% SC @ 150 ml or Indoxacarb 15.8% EC @ 333 ml per hectare for control of semilooper infestation in green gram.
  - In Odisha, spray Profenophos @ 2ml/litre or Flubendiamide 480SC @ 0.2ml/litre if red hairy caterpillar noticed in groundnut at pod development stage.
  - In Rajasthan, uproot and burn affected plants in infestation of leaf curl & mosaic in chilli is mild; spray Malathion 50 EC @ 1 ml per litre water if infestation is severe.

## *Detailed Agromet Advisories*

### SOUTH INDIA [TAMIL NADU, TELANGANA, ANDHRA PRADESH, KARNATAKA, KERALA]

**Realised Rainfall:** Significant rainfall occurred in all the districts of Telangana; in all the districts of Andhra Pradesh except Anantapur, Annamayya Chittoor, Sri Satyasai, Tirupati & YSR districts; in all districts of Karnataka except Bellari, Bangalore Urban, Bangalore Rural, Chikballapur, Chitradurga, Kolar, Ramnagara, Tumkuru, Vijaynagara; in all the districts of Kerala and in Coimbatore, Kanyakumari, Nilgiris, Thanjavur, Thenkasi, Tirunelveli, Tirupur districts of Tamilnadu.

#### **Advisories:**

- As **rain/thundershowers** are very likely at many/most places likely over Kerala & Mahe, Coastal Karnataka and Lakshadweep during next 5 days and over Haryana Chandigarh & Delhi on 30<sup>th</sup> May & 3<sup>rd</sup> June and **Heavy to Very Heavy Rainfall** at isolated places over Coastal Karnataka and Tamil Nadu Puducherry & Karaikal during next 24 hours; **Heavy Rainfall** at isolated places over Lakshadweep and South Interior Karnataka during 24 hours, over Andhra Pradesh during 30<sup>th</sup> May to 3<sup>rd</sup> June, over Tamil Nadu on 31<sup>st</sup> May, over Coastal Karnataka on 31<sup>st</sup> May to 3<sup>rd</sup> June 2025, 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 lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Tamil Nadu Puducherry & Karaikal during next 24 hours; **with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Karnataka, Gujarat State, Interior Karnataka during next 24 hours, over Telangana during next 5 days, harvest matured fruits & vegetables at the earliest; keep harvested produce in safe places. Provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.

#### **Tamilnadu**

- In North Eastern Zone, harvest the matured paddy crops and store in safe places. For nursery land preparation, to prevent soil borne diseases and better establishment of seedlings, apply Azospirillum 2.5 Kg mixed with 25



kg of soil during rainfree period.

- In Western Zone, extreme heavy rainfall along the western Ghat areas and moderate rainfall in interior districts of Western Zone Provide adequate drainage to sugarcane, banana, maize crops and drain the excess water safely to the farm pond for supplemental irrigation. Avoid water stagnation to prevent damping off disease in rice nursery. Continue sowing of irrigated sorghum and cumbu, Chithirai pattam rainfed groundnut at Pollachi taluk of Coimbatore district. Also undertake propping to the crops like banana, papaya, moringa and sugarcane.
- In Southern Zone, provide adequate drainage facility and avoid fertilizer and pesticide application. Provide support to 5 months old trees of banana using wooden poles.
- In Coastal Zone, summer showers may be utilized and summer ploughing may be done to increase soil moisture and to control weeds, pest and diseases. Also, to control shoot borer in sugarcane, soil application of Cartaphydrochloride 4G 10kg/hectare during rainfree period.
- In Cauvery Delta Zone, continue nursery preparation of paddy. Undertake detashing and propping of five months old sugarcane.
- In South Zone, for cotton, earthing up can be done to prevent the crop from falling over due to strong winds or heavy rain.
- In North Western Zone, farmers are requested to do ploughing by utilizing the current rainfall and also make bund around the field to conserve the rainfall and also undertake sowing of groundnut.
- In High Rainfall Zone, proper drainage facilities should be given to young rubber, banana and fruit trees.
- In High altitude Hilly Zone, provide drainage facility and avoid fertilizer and pesticide application. Provide support to 5-month-old banana trees using wooden poles.

#### **Kerala**

- In Central Zone, ensure proper drainage facilities in coconut, banana and vegetables. Postpone land preparation work of paddy. Propping should be done to protect banana plants from heavy rain and wind.
- In Southern Zone, since heavy rains are expected, postpone the application of fertilizers, pesticides, and fungicides. Also, ensure proper drainage arrangements are made in the fields of banana and coconut.
- In High Altitude Zone, improve drainage facility. Avoid the application of fertilizers and plant protection chemicals.
- In problem Area Zone, ensure propping in banana. Strengthen pandals of vegetable crops and adopt prophylactic spraying against fungal diseases.
- In Northern Zone, 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. Also postpone agricultural activities like fertilizer applications, ploughing the fields etc. till the cessation of rainfalls.

#### **Karnataka**

- In Karnataka, postpone all agricultural operations like irrigation, fertilize application, spraying. Provide staking/support to banana, tomato, and other tall horticultural crops to prevent lodging due to strong winds. Drain out the excess rainwater from crop field.
- In North Dry Zone, undertake harvesting of pomegranate and mango. Undertake sowing of green gram and soybean, wherever soil moisture is sufficient. To manage bacterial blight disease in pomegranate, spray Streptomycin Sulphate @ 0.5 g + Copper Oxychloride @ 2g per litre water and to manage sucking pests and powdery mildew, spray 2 ml Malathion and 3 g Wettable Sulphur or Carbendazim @ 2g per litre of water. Repeat the spray at an interval of 15 days if necessary. Provide sufficient drainage facility to remove excess water from field.
- In Coastal Zone, provide good drainage facility in arecanut and banana. Provide support to avoid lodging of banana plant.
- In Central Dry Zone, avoid irrigation to paddy nurseries, vegetables, and fruit crops during rainy days to prevent water logging and root damage. High humidity and cloudiness favour fungal diseases (blight, mildew) in fruits, vegetables, and pulses, apply recommended prophylactic fungicides like Mancozeb or copper

oxychloride.

- In South Transition Zone, harvest matured mango and keep at safe places for ripening as heavy rainfall and wind speed may cause shattering of fruits. Stake/support crops like banana/tomato to prevent lodging. Continues precipitation, high humidity, low temperature which may increase the fruit rot and dropping arecanut, take up plant protection after the cessation of rainfall.
- In North East Dry Zone, prepare the land for sowing of *kharif* crops. As soon as the monsoon rains are received, undertake sowing of kharif crops like green gram, maize, bajra, sesame, *navane* and groundnut.
- In North Transition Zone, prepare the land for sowing of kharif crops. Areas where good rainfall is received, undertake sowing of green gram, black gram.

### Andhra Pradesh

- In North Coastal Zone, immediately harvest paddy, summer sesame, mango & papaya, vegetables and shift to safer places. Postpone sowing of early kharif sesame and green manure crops. Drain the excess water from sugarcane, sesame, vegetables and orchards. Take up propping in banana & staking of vegetables to prevent lodging.
- In High Altitude Tribal Zone, provide propping in banana to prevent lodging from wind/thunderstorms. Harvest matured mangoes and shift to safer places. Tie sugarcane in pairs or use earthing-up to prevent lodging due to strong winds.
- In Scarce Rainfall Zone, harvest mango fruits as early as possible. Provide propping in banana prevent lodging due to gusty wind.
- In Krishna Godavari Zone, postpone sowing of sesame. Drain out excess water from already sown crops. Harvest matured mangoes and vegetables.
- In Nellore district of Southern Zone, farmers undertaking edagaru (early kharif) nurseries are advised to take up seed treatment compulsory. For dry seed treatment treat 1 kg of seed with 3 g 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 @ 1 g/kg of seed per litre of water and incubate for 24 hrs before sowing in the nursery.

### Telangana

- In North Telangana, shift the harvested produce of paddy and sesame to safer places kept for threshing and drying.
- In Southern Telangana, transport the harvested produce (rice, maize, Bengal gram/chickpea, green gram, black gram, jowar, sunflower and sesamum etc.) to the safe places or cover with tarpaulins. Harvest Mango and Vegetables. and transport to market. Rice growing farmers are advised to go for sowing of in-situe green manure crops (dhaincha, sunhemp, green gram, pillipesara, horse gram etc.,).

### Animal Husbandry

- In Tamilnadu, do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for livestock.

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

**Realised Rainfall:** Significant rainfall occurred in Dibang Valley, Tawang, Upper Siang and West Kameng districts of Arunachal Pradesh; in Bajali, Barpeta, Bongaigaon, Cachar, Chirang, Dhubri, Goalpara, Golghat, Hailakandi, Jorhat, Kamrup (Rural), Karbi Anglong, Kokrajhar, Nalbari, South Salmara, Sribhumi districts of Assam; in all districts of Meghalaya except West Garo Hills and Ri- Bhoi; all districts of Mizoram except Lunglei and Mamit; in Bishnupur, Imphal East, Imphal West, Senapati, Tamenglong and Ukhrul districts of Manipur; in Dimapur, Kephire, Kohima, Mokokchung, Wokha and Zunheboto districts of Nagaland and in all districts of Tripura except Sepahijala.

### Advisories:

- As **rain/thundershowers** are very likely at many/most places likely over the region during next 5 days and **Exceptionally heavy rainfall (>30 cm)** very likely at isolated places over Meghalaya during next 24 hours; **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** at isolated places over Arunachal

Pradesh and Nagaland Manipur Mizoram Tripura during next 24 hours, over Assam & Meghalaya during next 48 hours; **Heavy to Very Heavy Rainfall** at isolated places over Arunachal Pradesh on 31<sup>st</sup> May, over Nagaland Manipur Mizoram and Tripura on 31<sup>st</sup> May and 1<sup>st</sup> June, over Assam & Meghalaya on 1<sup>st</sup> June; **Heavy Rainfall** at isolated places over Nagaland Manipur Mizoram & Tripura and Assam & Meghalaya on 2<sup>nd</sup> and 3<sup>rd</sup> June 2025, 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**

- Postpone transplanting of rice. Undertake staking or give support to chilli/ okra and other vegetable plants to prevent lodging or damage due to strong winds. If possible, harvest mature vegetables and fruits to avoid losses. Maintain proper drainage in the nursery bed of rice, in field of chilli/ okra and other vegetables and soybean. Cover the base of plants with natural mulching materials like farm residue and straw etc for Chilli/ Okra and other vegetables

#### **Assam**

- In Hill Zone, drain out excess water from standing crops (rice field, sesame, maize and sugarcane). Provide mechanical support to orchards, staking in vegetables. Postpone irrigation, pesticides and fertilizer application in standing crops. Cover or shield vulnerable seedlings and young plants from heavy rain and strong winds.
- In Lower Brahmaputra Valley Zone, postpone sowing of *Sali* rice in the nursery bed and advised to cover the bed with thin polythene to avoid the damages due to heavy rainfall. Ensure drainage system in the nursery bed. Postpone the harvesting of *Boro* rice, foxtail millet, green and black gram pods.
- In Upper Brahmaputra Valley Zone, provide mechanical support to the crops like banana, citrus, papaya etc. Provide extensive drainage from the orchards and vegetables. Postpone sowing of vegetables. Cover the nursery seedling of vegetables and fruits by making provisions for temporary sheds (made of bamboo and net or plastic).
- In Barak Valley Zone, postpone nursery bed preparation for *Sali* rice and in already sown the *Sali* nursery, provide adequate drainage. Postpone harvesting of the mature *Boro* rice, mature fruits and vegetables. Provide mechanical support to the crops like banana, citrus, papaya etc. and vegetables creeper.
- In Central Brahmaputra Valley Zone, postpone nursery bed preparation and sowing of *Sali* rice. Postpone harvesting of green gram. Postpone thinning and weeding in jute crop. Tie peripheral jute plants (round the field) together by taking 4-5 jute plants in a consecutive manner. It will also protect the plant inside the field from the effect of wind. Provide mechanical support to banana, vegetables (creeper) and young fruit plants to prevent the crops from lodging due to strong winds.
- In North Bank Plain Zone, postpone nursery sowing of rice. Under wet condition, dry the harvested boro rice bundles well. Keep the bundles in upright position to avoid rotting /sprouting due to high humidity. Tie sugarcane plants in small bundles of 3-4 stalks to protect the crops from lodging. Drain out excess water from ginger / turmeric. Postpone fresh sowing of vegetables and drain out excess water from already sown vegetables.

#### **Meghalaya**

- Avoid water stagnation near bottle gourd and French bean plant bases to prevent collar rot and other root diseases. Provide strong bamboo stakes or trellis support early to prevent vines from trailing on wet ground, which increases the risk of rot and fungal diseases. Use propping (bamboo or wooden poles) to support heavily laden plants. Harvest matured vegetables, crops/ fruits immediately.

#### **Mizoram**

- Provide adequate drainage in already sown upland rice and maize. Cover the base of young sprouted rhizome/rhizome with crop residue or perennial grass to reduce impact of rainfall.

#### **Manipur**

- Postpone sowing of finger millet, maize, black gram. Provide adequate drainage in the pre kharif rice, soybean, already sown finger millet, maize, black gram, vegetables and orchard. Undertake propping in vegetables. Provide mulching with locally available materials in ginger and turmeric.



## **Nagaland**

- Ensure proper run off management strategies in the slopes of Jhum paddy. Drain out excess water from Cabbage , Maize , orchards. Apply a layer of organic mulch (like dried leaves or straw) around the base of the Cabbage to prevent soil erosion. Undertake propping in banana.

## **Tripura**

- In Tripura, Postpone harvesting of rice and drain out excess water from unharvested rice fields, Aus rice nurseries and vegetables.

## **Animal Husbandry**

- In Northeastern states, keep the livestock or poultry protected from rain and give daily clean drinking water. Ensure that poultry sheds, livestock shelters, and fish pond bunds are secure and fortified to prevent damage or flooding. Keep animals away from tractors and other metal farm equipment. Keep animals away from open water, pond or river. Consult Veterinary practitioner to manage pneumonia.

## **Fishery**

- In Northeastern states, strengthen the bunds surrounding the pond and install fine-mesh screens at inlets and outlets to prevent fish escape. Raise the pond embankment height. Pump/ drain out excess water from fish pond. Surround the pond peripheral with net. To avoid increased turbidity apply Alum @ 25-50 kg/ha. Designate proper inlet/outlet facility in the pond. Avoid overfeeding and remove leftover feed to maintain water quality during and after rain. Apply lime (as per recommended dose) to maintain pH balance and improve water quality. Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.

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

**Realised Rainfall:** Significant rainfall occurred over Banka, Begusarai, Bhagalpur, Gaya, Katihar, Kishanganj, Madhubani, Monghyar, Nawada, Purnea, West Champaran & Supaul districts in Bihar; in all the districts of Jharkhand except Gharwa, Khunti, Ranchi & Saraikhela; in all districts of Odisha; in all the districts of Andaman & Nicobar Islands; in all the districts of West Bengal & Sikkim except Gangtok, Murshidabad and Kalimpong.

## **Advisories:**

- As **rain/thundershowers** are very likely at many/most places likely over Gangetic West Bengal during next 24 hours, over Sub Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands during next 5 days and **Heavy to Very Heavy Rainfall** at isolated places over Sub Himalayan West Bengal & Sikkim during next 48 hours; **Heavy Rainfall** at isolated places over Sub Himalayan West Bengal & Sikkim on 1<sup>st</sup> June 2025, 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 lightning & gusty winds(40-50kmph)** very likely at isolated places over Gangetic West Bengal next 24 hours, over Bihar on 30<sup>th</sup> & 31<sup>st</sup> May and 1<sup>st</sup> June; **with lightning & gusty winds(30-40kmph)** very likely at isolated places over Odisha, Sub Himalayan West Bengal & Sikkim during next 24 hours, over Jharkhand during next 48 hours, harvest matured fruits & vegetables at the earliest; keep harvested produce in safe places. Provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.

## **Bihar**

- In North East Alluvial Zone, start land preparation for rice nursery; arrange seeds for sowing of Kharif rice; for a healthy nursery, add rotten cow dung manure to the nursery field and plough it; for paddy field of one hectare, prepare paddy nursery in 800-1000 square meter area. Use long duration varieties of Aghani rice; treat the seeds before sowing. Undertake the harvesting of maize which is sown in spring. To protect the pumpkin crop from fruit flies, install pheromone traps, use 8 -10 traps per hectare.
- In North West Alluvial Plain Zone, harvest early-sown green gram and black gram pods promptly to maintain grain quality. Undertake sowing of maize; prepare the field by ploughing and applying 10 to 15 tons of well decomposed farmyard manure per hectare; at the time of sowing, apply 30 kg nitrogen, 60 kg sulfur, and 50

kg potash per hectare.

- In South Bihar, apply irrigation and fertilizers and pesticides in standing crops only when the weather is clear. Establish nurseries for long-duration rice varieties such as Sabour Shree; apply well-decomposed farmyard manure in the nursery for healthy seedlings, maintain a nursery bed width of 1.25 to 1.5 meters and adjust the length as per convenience. In the current weather, monitor fruit fly infestation in vegetables such as sponge gourd (nenua), bitter melon (karela), bottle gourd (lauki), and cucumber; to prevent, prepare a solution using 1 kg jaggery and 2 liters of Malathion 50 EC in 1000 liters of water per hectare and spray it twice at 15-day intervals, ensuring the weather is clear.

### **Jharkhand**

- In Western Plateau Zone, harvest the summer rice at physiological maturity (80-85% of grains mature from a panicle) to reduce losses due to grain breakage in clear weather and for safe storage of harvested paddy/rice, use Super Grain Bag which helps in maintaining quality, texture, color, aroma and taste for a long time. Sow green manure crops to enhance fertility status of soil. Dig pits for planting fruit or timber seedlings. Plough the field across the slope and strengthened the bund accordingly, construct small water harvesting structures (*dobha*) at the lower portion of the land. To control shoot and fruit borer in brinjal and tomato crops, collect the infested fruits & shoots and bury them in the soil.

### **Odisha**

- In Western Undulating Zone, harvest matured vegetables; postpone sowing until rain subsides; cover vegetable nurseries (chilli, brinjal) with plastic/polythene; ensure drainage channels stay open.
- In East & South Eastern Coastal Plain Zone, ensure drainage in paddy fields. Utilizing the rainfall undertake ploughing and undertake sowing of Dhaincha @12 kg/acre for green manure. Postpone pesticide/foliar sprays. Harvest vegetables undertake staking in tomato plants.
- In West Central Table Land Zone, postpone harvesting of rice keep the already harvested produce (Dry Season Rice, Ground nut, Mango) in safe place. Provide staking/support in orchards, vegetables.
- In North Eastern Ghat Zone, monitor for red hairy caterpillar in groundnut (pod development stage). If noticed spray Profenophos @2ml/L or Flubendiamide 480SC @0.2ml/L. Harvest chilli, mango, litchi and store them safely.
- In North Central Plateau Zone, drain out excess water from rice nurseries. Harvest banana, watermelon, jackfruit, chilli, brinjal, cucumber, tomato; store safely.
- In Mid Central Table Land Zone, postpone application of pesticide and fertilizer to cucurbits. Provide staking to Banana, Papaya and Tomato plants and mechanical support. Keep harvested produce safe. Undertake sowing of maize, harvest sesame, and planting of yam during clear weather.
- In North Eastern Coastal Plain Zone, harvest mature paddy and vegetables; store safely. Use rain for summer ploughing; arrange Dhaincha seeds @12 kg/acre. Postpone sprays. Tie sugarcane to prevent lodging.
- In North Western Plateau Zone, in rain-received areas, sow Dhaincha @10 kg/acre and after 3 weeks incorporate in main paddy fields. Shift harvested paddy to safe storage. Begin Kharif paddy nursery prep, sow ginger, turmeric, maize. Collect soil samples, test, deep plough post-harvest.
- In South Eastern & Eastern Ghat High Land Zones, postpone sprays/fertilizer for next few days. Prepare maize fields. Monitor for fungal diseases in chilli, tomato if observed spray (copper oxychloride 3g/L or Mancozeb 2.5g/L). Provide staking in tomato.

### **West Bengal & Sikkim**

#### **Sub-Himalayan West Bengal**

- In Hill Zone, undertake mulching for Ginger and Turmeric with locally available mulching materials. Drain out excess water from Dalley khorsani & tomato. Check all the supports of kiwi vines and reinforce additional support to plant to avert impact of heavy rain.
- In Terai Zone, avoid threshing in Boro rice, Cover the harvested grains during rain with Tarpaulins.
- In Old Alluvial Zone, in boro rice, Cut only the panicle portion and dry it in sun/ shade with electric light/fan, avoid threshing during rain, cover the harvested grains with Tarpaulins. Remove excess water from

field of Jute. Complete the harvesting process of matured or near matured Litchi and Mango fruits.

### **Gangetic West Bengal**

- In Coastal Saline Zone, undertake harvesting of summer vegetables like sponge gourd, okra, brinjal, cucumber. Drain out excess water from the furrow of vegetable crops. For preventing wilting in vegetables apply fungicide after water removal from base of plants during clear weather.
- In Laterite and Red Soil Zone, undertake early harvesting in rice during clear weather and shift to safer places. Ensure that rice, sesame and vegetables-fields have proper drainage systems in place to prevent waterlogging. As weather conditions may favour the onset of fruit and shoot borer infestations in okra; to protect the crop, apply Spinosad 45% EC @ 0.5ml/litre of water at clear weather conditions.
- In New Alluvial Zone, harvest matured rice during clear weather. After harvesting, undertake deep summer ploughing and utilizing the residual soil moisture cultivate green manuring crop like Dhaincha, cluster bean. Weather is conducive for pod borer infestation in sesame. If observed collect and destroy the affected plant parts.

### **Andaman & Nicobar Islands,**

- Prepare nursery for rice field and use seeds @ 40 kg per hectare for medium duration rice. Clean coconut and arecanut garden and apply vermi Compost @ 20 kg per plant for coconut and 10 kg per plant for arecanut and cover with soil.

### **Animal Husbandry**

- In Bihar, by the end of May, vaccinate all dairy animals against hemorrhagic septicemia and foot-and-mouth disease.
- In Odisha, inspect/repair sheds; store feed/fodder safely; keep animals indoors during rain/thunderstorm; provide clean water; use sawdust to keep floors dry.

### **Pisciculture:**

- In Odisha, in maintain pond depth (5ft); use probiotics for feed metabolism. Apply CIFAX @ 1000ml/ha to control EUS. Stock carp (Rohu, Catla, Mrigal) in 4:3:3 ratio (5000 fingerlings/ha). Feed groundnut oil cake + rice bran @ 5% of biomass; apply cow dung, urea, super phosphate.

## **WEST INDIA [GOA, MAHARASHTRA, GUJARAT]**

**Realised rainfall:** Significant rainfall occurred in all districts except of Maharashtra Dhule, Jalgaon, Nasik, Nandurbar, Chh. Sambhajinagar, Hingoli & Bhandara and in Bharuch, Chhota Udepur, Daman, Narmada, Navsari Surat, Tapi, Valsad, Amreli and Diu districts of Gujarat.

### **Advisories:**

- As **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Vidarbha on 2<sup>nd</sup> and 3<sup>rd</sup> June; **with lightning & gusty winds(40-50kmph)** very likely at isolated places over Vidarbha during next 24 hours; **with lightning & gusty winds(30-40kmph)** very likely at isolated places over Gujarat State during next 24 hours, over Vidarbha on 31<sup>st</sup> May and 1<sup>st</sup> June 2025, harvest matured fruits & vegetables at the earliest; keep harvested produce in safe places. Provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.

### **Maharashtra**

- In Konkan, as isolated heavy rainfall is expected, make arrangements to drain out excess water from rice nurseries and orchards. Continue nursery sowing of rice, vegetables and planting of turmeric in Sindhudurg, Ratnagiri and Raigad districts.
- In Madhya Maharashtra, complete harvesting of matured summer groundnut, pearl millet vegetables and fruits like mango and keep the harvested produce at safer places. Undertake land preparation for nursery sowing of rice and sowing of *kharif* crops like soybean, maize and groundnut. Undertake planting of turmeric & ginger with assured irrigation. Continue land preparation and keep the inputs ready for *kharif* sowing of crops like pearl millet, soybean, green gram, black gram & pigeon pea etc. Apply irrigation to sugarcane in Nandurbar district as per requirement. To control root rot in papaya, undertake drenching with Copper Oxychloride @ 2 g/litre or Bavistin @ 1 g/litre of water during clear weather.



- In Marathwada, complete harvesting of summer groundnut. Continue land preparation and keep the inputs ready for sowing of *kharif* crops like cotton, groundnut, green gram, black gram. To control stem borer in sugarcane, spray Chlorpyrifos 20% @ 25 ml or Chlorantraniliprole 18.5 % @ 4 ml per 10 litres of water during clear weather.
- In Vidarbha, as thunderstorm accompanied with lightning & gusty winds is expected, keep already harvested produce at safer places. Provide mechanical support to newly planted orchards and vegetables to prevent them from lodging during gusty winds. Continue harvesting of matured summer rice, green gram, groundnut, vegetables and fruits like watermelon, muskmelon. Continue land preparation and keep the inputs ready for sowing of crops like cotton and soyabean.

### Gujarat

- In Middle Gujarat Zone, carry out nipping of ear head from the pearl millet crops. Harvest the matured pods of summer green gram.
- In Bhal and Coastal Zone, allow rice crop to dry before harvest; carry out harvesting and keep in a safe place.
- In North West Zone, after harvesting of summer crops, carry out deep ploughing to improve soil condition.
- In North Gujarat Zone, carryout harvesting of matured fruits. To control the leaf spot in green gram / cow pea, spray Metiram 55% + Pyraclostrobin 5% WG @ 30g in 10 litres of water.
- In North Saurashtra Zone, carry out harvesting of summer groundnut. Undertake threshing of green gram, black gram and sesame. To control thrips in chilli, spray Profenophos @ 20ml with 500ml of 5% neem seed extract or 50ml neem seed oil in 10 litres of water.
- In South Saurashtra Zone, carryout harvesting of summer groundnut, green gram, black gram and sesame; keep the harvested produce in a safe place. Procure good quality seeds of soybean, cotton and kharif groundnut; sowing of should be done after sufficient rainfall.
- In South Gujarat Heavy Rainfall Zone, complete the harvesting of summer paddy and green gram. Carry out nursery preparation for Kharif paddy. Regularly pluck mature vegetables. Prepare field for kharif season okra. Apply irrigation to Elephant yam, greater yam and tannia.
- In South Gujarat Zone, carry out harvesting of matured pear millet, green gram and sesame crops; undertake threshing of the harvested crops.

### Animal Husbandry

- In Gujarat, keep the animals inside the shed. Keep feed and fodder in a safe, dry place to prevent spoilage. Spray phenyl in the animal shed to prevent flies and mosquitoes. Provide ad lib warm water to lactating animals. Vaccinate animals against Anthrax disease.

## CENTRAL INDIA [M.P., CHHATTISGARH]

**Realised Rainfall:** Significant Rainfall occurred over Annupur, Chhindwara, Panna, Alirajpur, Bhopal, Burhanpur, Dewas, Dhar, Harda, Jhabua, Khandwa, Khargone, Sehore, Shajipur and Ujjain districts of Madhya Pradesh and in all districts of Chhattisgarh except Balrampur, Bemetara, Bilaspur, Dantewara, Janjgir, Kabirdham, Korba, Koriya, Manendragarh Bharatpur, Sukma districts.

### Advisories:

- As **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Chhattisgarh & Madhya Pradesh during next 24 hours; **with lightning & gusty winds(40-50kmph)** at isolated places over Madhya Pradesh and Chhattisgarh during 31<sup>st</sup> May to 3<sup>rd</sup> June 2025, harvest matured fruits & vegetables at the earliest; keep harvested produce in safe places. Provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.

### Madhya Pradesh

- In Kymore plateau & Satpura Hill Zone; if caterpillars seen in maize, spray Imidacloprid @ 100g in 150 litres of water during clear weather.
- In Satpura Plateau Zone, to protect plants in nurseries cover them with green net or any other medium, postpone the application of insecticides and fungicides till weather becomes clear. In sugarcane intercultural operations and earthing may be done, provide drainage system in sugarcane fields to minimize outbreaks of

pyrilla pests.

- In the Nimar Valley Zone, start sowing of pigeon pea and cotton only during clear weather, procure good quality seeds from certified source, at time of sowing of cotton, apply 20 kg Urea, 35 kg DAP & 20 kg MOP as basal dose in the 6-inch-deep in to soil.
- In Jhabua Hills Zone, harvest matured pods of green gram, vegetables and fruits. timely pick up, chilli, brinjal, cauliflower, tomato, capsicum, okra, spinach, cucurbits, watermelon, musk melon and other vegetables. Stop irrigation in vegetable and orchards.
- In Gird Zone, there may be a possibility of green mosquito, *mahu*, jassids, thrips and white fly and juice pests in green gram, spray Indoxacarb 14.5 % + Acetamiprid 7.7 % W/W sc, @ 1 litre in 500 to 600 liters of water / ha during clear weather. Timely irrigate summer vegetable crops like tomato, chilli, brinjal, capsicum, spinach, onion, etc. and apply the recommended fertilizer.
- In Bundelkhand Zone; start the seed bed preparation for sowing of *Kharif* onion. Monitor the vegetable crops, if an infestation of white fly, beetle and caterpillars seen, use pheromone trap and light trap.
- Central Narmada Valley Zone, green gram crop is at flowering to pod formation stage, semilooper infestation has been observed, spray Chlorantraniliprole 18.5% SC @ 150 ml per hectare or Indoxacarb 15.8% EC @ 333 ml per hectare. To control fruit drop in mango, spray Planofix @ 5 ml per pump.

### Chhattisgarh

- In North Hill Zone, harvest matured potato, turmeric, ginger, garlic, onion. Install pheromone/light traps in summer paddy. Irrigate/support banana, papaya seedlings.
- In Bastar Plateau Zone, ensure drainage after rains. Remove yellow mosaic-infected green gram plants. Use pheromone traps for brinjal/tomato fruit borers; plant African marigold as trap crop.
- In Chhattisgarh Plain Zone, intercultural operation, fertilizers, earthing + irrigation in sugarcane (knee-high stage). Harvest summer sesame, black gram, green gram. Apply nutrients + irrigation in summer vegetables. Control borer in okra/brinjal with pheromone traps (10/acre); destroy infested plant tops.

### Animal Husbandry

- In Madhya Pradesh, limbs/kids should be vaccinated against PPR disease.
- In Chhattisgarh, feed pregnant cows (last trimester) 10–15kg green fodder, 30–50g mineral mix, 30g salt. For milch animals, 25–30kg green fodder/day (3:1 green: dry). Provide plenty of clean water; keep animals in shade due to heat.

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

**Realised Rainfall:** Significant rainfall occurred over Hamirpur, Sirmour, Solan and Una districts of Himachal Pradesh; over Kathua, Ramban and Srinagar districts of Jammu & Kashmir and over all the districts of Uttarakhand except Dehradun and Pauri Garhwal; in Barnala, Gurdaspur, Moga, Pathankot districts of Punjab, in all districts of Haryana except Bhiwani, Palwal; in all districts of Delhi except East Delhi; in Ambedkar Nagar, Ayodhya, Bahraich, Barabanki, Basti, Gorakhpur, Kheri, Maharajganj, Sant Kabirnagar districts of East Uttar Pradesh and Aligarh, Badaun, Baghpat, Bareilly, Bijnor, Etah, Kasganj, Meerut, Muzaffarnagar, Saharanpur, Sambhal districts of West Uttar Pradesh. Weather was mainly dry over rest of the region.

### Advisories:

- As **rain/thundershowers** are very likely at many/most places likely over Punjab during next 24 hours, over Jammu & Kashmir during next 48 hours, over Himachal Pradesh and Uttarakhand during next 5 days and over Haryana Chandigarh & Delhi on 30<sup>th</sup> May & 3<sup>rd</sup> June and **Heavy Rainfall** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan- Muzaffarabad during next 48 hours, over Uttarakhand during next 72 hours, over Himachal Pradesh on 31<sup>st</sup> May and 1<sup>st</sup> June 2025, 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 Haryana, Chandigarh & Delhi, Uttar Pradesh during next 24 hours, over Himachal Pradesh on 31<sup>st</sup> May and 1<sup>st</sup> June,

over East Rajasthan on 2<sup>nd</sup> and 3<sup>rd</sup> June; **with lightning & gusty winds(40-50kmph)** very likely at isolated places over Rajasthan, Uttarakhand during next 24 hours, over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during next 48 hours, over Himachal Pradesh on 30<sup>th</sup> May, 1<sup>st</sup> and 3<sup>rd</sup> June, over East Uttar Pradesh on 31<sup>st</sup> May and over West Rajasthan on 2<sup>nd</sup> and 3<sup>rd</sup> June; **with lightning & gusty winds(30-40kmph)** very likely at isolated places over West Uttar Pradesh on 31<sup>st</sup> May, over East Rajasthan and East Uttar Pradesh on 31<sup>st</sup> May and 1<sup>st</sup> June, over Haryana, Chandigarh & Delhi during 31<sup>st</sup> May to 3<sup>rd</sup> June 2025, harvest matured fruits & vegetables at the earliest; keep harvested produce in safe places. Provide mechanical support to banana & papaya plantations and staking to young plants and vegetables. Undertake propping in sugarcane.

### **Himachal Pradesh**

- In High Hill Temperate Dry Zone, carry out gap filling in cauliflower. Carry out weeding and hoeing in 3-4 weeks old pea. To control blight in potato, before sowing, treat the potato seeds with Mancozeb@2.5 g per litre for about half an hour and sow the seed after drying.
- In Mid Hills Sub Humid Zone, make proper drainage channels in the vegetable fields. In 30-40 days old vegetable crops, remove the lower leaves up to 10–15 cm from ground level to reduce the risk of soil-borne diseases.
- In Sub Montane and Low Hills Sub Tropical Zone, continue nursery sowing of rice.
- In High Hills Sub Temperate Wet Zone, continue sowing of maize in well prepared fields. Undertake sowing of finger millets and foxtail millets. Ensure young vines are adequately staked or trellised. Regularly check and reinforce existing support structures. Since water stagnation is very detrimental to okra in vegetative stage, provide proper drainage facility. Make sure tender tomato plants are well-staked or trellised, and consistently check and strengthen any existing supports.

### **UT of Jammu & Kashmir**

- In Sub Tropical Zone, continue nursery sowing of early transplanting rice variety. Undertake land preparation for direct sowing of rice. Postpone irrigation to pulses, vegetables and summer fodder, in view of rainfall forecast. Carry out weeding in ginger and turmeric.
- In Intermediate Zone, undertake nursery sowing of rice. Apply light irrigation to vegetables. Carry out intercultural operations in maize for better moisture conservation.
- In Valley Temperate Zone, continue harvesting of brown sarson. Complete harvesting of fodder oats. Continue sowing of maize. Continue land preparation for sowing of *kharif* crops. Continue sowing of *kharif* fodder crops viz. fodder maize, sorghum and bajra.

### **UT of Ladakh**

- In Cold Arid Zone, carry out weeding in pea, potato, wheat and barley followed by irrigation. Undertake transplanting of tomato, onion, cabbage and cauliflower.

### **Uttarakhand**

- In Bhabar and Tarai Zone, undertake land preparation for nursery sowing of rice. Undertake harvesting of mature sunflower heads and dry under covered place. Carry out hoeing and weeding in black gram and green gram. Postpone irrigation and application of insecticides in sugarcane.
- In Hill Zone, undertake field preparation for sowing of finger millets. Carry out thinning in barnyard millets. Undertake harvesting of garlic.
- In Sub Humid Sub Tropic Zone, in view of gusty winds forecast, avoid sowing of rice by broadcasting method. Use wind breaks and shelter breaks to protect sugarcane and tomato from strong winds.

### **Punjab**

- In Western Zone of Punjab, complete the sowing of Bt or desi cotton and nursery sowing of rice. Undertake early variety sowing of cauliflower.
- In Western Plain Zone of Punjab, complete the nursery sowing of rice and Bt or desi cotton. Due to prevailing high temperature of last fortnight, burning of cotton seedlings may be noticed. To ensure optimum plant population, 3 week old cotton seedlings can be transplanted in the gaps. Regular surveillance should be done



for management of whiteflies. Apply paddy straw or rice husk or sugarcane trash @ 20-25 q/acre between the rows of sugarcane to reduce soil temperature and moisture loss.

- In Undulating Plain Zone of Punjab, harvest the cucurbits and other vegetables like tomato, chilli, brinjal and okra at regular intervals. Complete the sowing of rice nursery. Undertake sowing of long and medium duration variety of maize.
- In Sub Montane Undulating Plain Zone of Punjab, apply frequent and light irrigation in litchi, mango, citrus and pear to avoid heat stress. Cover the young plants with thatches or straw as protection from heat. Apply light irrigation to sugarcane crop at regular interval if there is no rainfall and strong winds. Irrigate the green gram crop at regular interval if there is no rainfall.
- In Central Plain Zone of Punjab, harvest the cucurbits and other vegetables like onion, tomato, chilli, brinjal and okra at regular intervals. Complete sowing of summer groundnut by the end of this month. Undertake sowing of maize. Complete the sowing of nursery sowing of rice and Bt cotton or desi cotton.

### **Haryana**

- In Western Zone of Haryana, keeping the view of dry and hot weather in next three-four days, undertake late sowing of American cotton/Bt cotton and prepare the field for nurseries of rice. Carry out sowing operation at morning and late evening time to protect the direct sunlight and moisture from the furrow. Possibility of dry weather, apply irrigation as per requirement to sugarcane crop during morning or evening time only.

### **Delhi**

- In Delhi, keeping light rainfall in view, stop all type of sprays in nurseries and standing vegetable crops for next few days. Undertake harvesting of mature vegetables at morning and evening hours and keep harvested crops in safe place. Undertake field preparation for sowing of pigeon pea and cotton. Keeping temperature in mind, light irrigation at short interval is advised in vegetable crops. Monitor constantly okra against attack of mite. If population is above ETL, spray Ethion @ 1.5-2 ml/litre of water when sky remains clear. To control shoot and fruit borer in brinjal and tomato, infested fruits and shoots should be collected and buried inside the soil. If pest population is high, spray Spinosad 48 EC @ 1 ml /4 litres of water when sky remains clear.

### **Uttar Pradesh**

- In Western Plain Zone and Central Zone, undertake nursery preparation for sowing of late maturing paddy species; make 1.25 meter wide and 8 meter long beds for nursery. To protect sugarcane from early shoot borer and top borer pests, use pheromone traps, light traps and Trico cards.
- In Bundelkhand Zone, start sowing of short duration variety of pigeon pea after 30 May. Pick up mature fruits like brinjal, chilli; spray 2% Neem oil solution against fruit borer and white fly; maintain soil moisture in the vegetable crops.
- In Eastern Plain Zone, maintain moisture in standing zaid maize crop by applying light irrigation. Harvest matured crops early and store them in safe, covered areas. Prepare the fields for direct sowing of paddy. Provide support to tall or weak stemmed crops (e.g., banana, maize). If yellow mosaic disease appears in the green gram or black gram crops, carefully uproot the affected plants and destroy them (either burn or bury them); spray Oxydemeton-methyl 25% EC or Imidacloprid 0.5g per litre per hectare by mixing it in 600-800 litres of water.

### **Rajasthan**

- As **Dust Storm** very likely at isolated places over West Rajasthan on 30<sup>th</sup> May, 2<sup>nd</sup> & 3<sup>rd</sup> June 2025, avoid irrigation to prevent lodging due to loosening of soil. Provide staking to vegetable crops. Apply sprinkle irrigation after duststorm to remove dust from the plant canopies.
- In Flood Prone Eastern Plain Zone, undertake sowing of improved varieties of irrigated cotton. To plant orchards, keep the dug pits open for 10-15 days.
- In Semi-Arid Eastern Plain Zone, deep summer ploughing is recommended to conserve rainfall. Due to cloudy and humid condition, tomato, brinjal crops are likely to be affected by stem & fruit borer; to control, destroy the affected fruits and branches. Due to rise in temperature, chilli crop may be affected by leaf curl & mosaic disease; to check the spread of disease, uproot and burn the affected plants and spray Malathion 50 EC

@ 1.0ml per litre water.

- In Southeastern Humid Plain Zone, prepare paddy nursery.
- In Sub Humid Southern Plain and Aravali Hill Zone, optimum moisture level should be maintained in cucurbitaceous crops as dry conditions may lead to poor pollination and thus lower in yield of the crop. In view of the rising temperatures, irrigate summer green gram regularly.
- In Hyper Arid Partially Irrigated Western Plain Zone, irrigate fodder crops whenever wilting symptoms appear and during critical growth stages for better yields. Timely irrigation should be provided to horticultural fruit crops like date palm, kinnow, orange, and lemon, as well as vegetable crops such as cucumber, watermelon, muskmelon, *tinda*, and tomato. Undertake pruning of *ber* trees, because flowers and fruits grow only on new branches.
- In Arid Western Plain Zone, in the view of high temperature and heat wave conditions, deep summer ploughing is recommended in the field so as to destroy weeds, insects, pathogens, etc. and for better absorption of rain water.
- In Irrigated Northwestern Plain Zone, apply irrigation on alternate day in kinnow orchards with drip system; spray Monocrotophos to control leaf minor insects in kinnow orchards; spraying on new leaves is especially important for the control of citrus Illa.

#### **Animal Husbandry**

- In Rajasthan, provide sufficient quantity of drink water to livestock's along with the green fodder.

#### **Horticulture**

- In Sub Humid Sub Tropic Zone of Uttarakhand, use wind breaks and shelter breaks surrounding mango orchards to protect the fruits from dropping due to strong winds.

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