

All India Coordinated Research Project on Agrometeorology

अखिल भारतीय समन्वित कृषि-मौसम विज्ञान अनुसंधान परियोजना

(AICRPAM)

केंद्रीय बारानी कृषि अनुसंधान संस्थान

ICAR-Central Research Institute for Dryland Agriculture,

Hyderabad, Telangana – 500059

मई 2025 के दौरान जारी मौसम की स्थिति और कृषि मौसम संबंधी सलाह

Weather conditions and Agromet advisories issued during May 2025

1. सामान्य मौसम की स्थिति

1. General Weather Conditions

01 मार्च से 31 मई 2025 के दौरान पूरे देश में 186 मिमी बारिश हुई है, जो इसी अवधि के लिए सामान्य वर्षा (131 मिमी) की तुलना में 42% अधिक है। 36 मौसम विज्ञान उप-विभागों में से 22, 07, 04, और 03 उप-विभागों में क्रमशः बहुत अधिक, अधिक, सामान्य, कम, बहुत कम और बिल्कुल भी बारिश नहीं हुई, जैसा कि चित्र 1 में दर्शाया गया है।

During 01 March - 31 May 2025, the country as a whole has received 186 mm of rainfall, which is 42% excess, compared to the normal rainfall (131 mm) for the same period. Out of 36 meteorological subdivisions, rainfall was large excess, excess, normal and deficient in 22, 07, 04, and 03 subdivisions (s), respectively as depicted in Fig. 1.

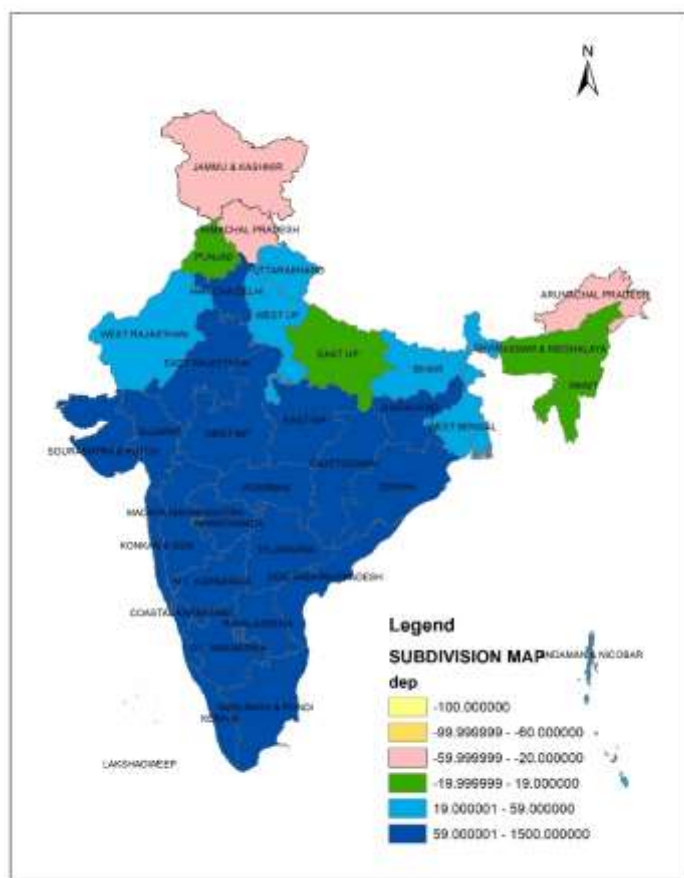


Fig. 1: Seasonal rainfall status (01 March – 31 May 2025) in 36 meteorological subdivisions, India

1. Agromet advisories issued by AICRPAM centers during May 2025

| Date of issue | Advisory issued for the region | Agromet Advisory issued |
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| 02-05-2025 | Punjab | <ul style="list-style-type: none"> Undertake sowing of Bt or desi cotton. For early kharif fodders, such as bajra, maize, and cowpea, sowing may be carried out after harvesting the rabi crops. Continue harvesting of wheat and sowing of green gram. Apply paddy straw, rice husk, or sugarcane trash @ 20-25 q/acre between the rows of sugarcane during the germination stage to reduce soil temperature and moisture loss |
| | Assam | <ul style="list-style-type: none"> Due to rainfall in the past week and forecast of rainfall in the first week of the month, ensure proper drainage from the standing crops field and orchard. Carry out weeding in the semi-dwarf Normal <i>Ahu</i> rice transplanting beds, summer sesame. Effective drainage reduces the risk of fungal and bacterial diseases such as root rot, various blights, and damping-off in seedlings. Undertake sowing of normal <i>Ahu</i> direct-seeded rice |
| | West Bengal | <ul style="list-style-type: none"> Carry out deep summer ploughing in harvested <i>boro</i> paddy field so as to destroy eggs and pupae of insects. Continue harvesting of mature pods of green gram at a regular interval. Brinjal and okra crops are at the fruiting stage; apply irrigation in the evening hours; to control shoot and fruit borer, collect the affected fruits and bury them in the soil; if infestation is high, spray Spinosad 48EC @ 1ml/litre of water. |
| | Jharkhand | <ul style="list-style-type: none"> For the management of sap-sucking insects in summer green gram, spray neem oil or botanical insecticides at an interval of 5 to 7 days. After harvesting of mature okra, apply urea @ 5-10 kg/acre. In the mango orchards, leaf fall is observed in many areas due to high temperature stress; to manage leaf fall and to enhance the turgidity, spray 0.2% Potassium Sulphate. |
| | Himachal Pradesh | <ul style="list-style-type: none"> Continue sowing of summer vegetables like okra, cucumber, pumpkin and French beans. |

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| | | <ul style="list-style-type: none"> • Provide proper support to tomato plants such as staking, at an early growth stage to prevent lodging, enhance air circulation, and improve fruit yield and quality. • Apply mulch around the base of tomato, capsicum and brinjal plants to help regulate soil temperature and retain moisture. Undertake harvesting of garlic. • Before sowing vegetables like beans, okra etc., treat the seeds with Bavistin 50 WP (2 grams per kg seeds) must be treated with fungicide. • Weeding and hoeing in all crops and vegetables should be done for optimum growth. Apply nitrogen fertilizers to vegetable crops. |
| | Chhattisgarh | <ul style="list-style-type: none"> • Carry out inter-cultural operations, fertilizer application, earthing up followed by irrigation is advised in sugarcane crop at knee height stage. • Apply nutrients and irrigation in summer vegetables such as bottle gourd, ridge gourd, sponge gourd, pumpkin, watermelon, and cucumber |
| 09-05-2025 | Kerala | <ul style="list-style-type: none"> • In pepper, protect the plants from direct sunlight by smothering the basal portions of the vines with dried banana leaves, plated coconut leaves etc. Give protective irrigations one in every two weeks. • In Central Zone, undertake harvesting of matured paddy as early as possible. Pits can be taken for planting seedlings of pepper. • Fill the pits with a mixture of top soil and compost or well rotten manure @ 5kg per pit and 50 grams of Trichoderma. |
| | Tamil Nadu | <ul style="list-style-type: none"> • Undertake harvesting of the matured paddy crops and store in safe places. • Weather is congenial for wilt in banana, apply <i>Bacillus subtilis</i> and <i>Trichoderma viride</i> @ 2.5kg/ha or drenching with <i>Bacillus subtilis</i> @ 5 ml/litre. To overcome micro nutrient deficiency and to improve quality of banana, fruit micro nutrient can be sprayed at 3, 5 and 7 months after planting of banana. • In Western Zone, undertake sowing of irrigated sorghum and cumbu. Undertake land preparation for turmeric by utilizing expected rainfall. Detrashing in sugarcane may be done to avoid lodging. |

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| | Bihar | <ul style="list-style-type: none"> • Undertake sowing of vegetables like cucumber, bitter gourd, bottle gourd, ridge gourd, spinach, etc. • In mango orchards, it is the time of fruit setting. Maintain adequate soil moisture by providing light irrigation; apply 500-550 g of di ammonium phosphate, 800 gm urea, 750 gm muriate of potash and 25 kg of farm yard manure to the trees older than 10 years. • Utilizing the available adequate moisture in the soil due to realized rainfall, start the sowing of turmeric and ginger from 15th May. • Carry out land preparation for nursery sowing of paddy and sowing of kharif maize. • Monitor green gram and black gram crops for the incidence of yellow vein mosaic virus (YMV) disease and uproot the affected plants, and destroy them. |
| 16-05-2025 | Madhya Maharashtra | <ul style="list-style-type: none"> • Provide mechanical support to newly planted fruit crops and vegetables. Make adequate drainage facilities in groundnut, orchards and vegetable fields. • To control leaf-eating caterpillars and leaf-miner in groundnut, spray Quinalphos 25 EC @ 2 ml per litre of water during clear weather. |
| | Vidarbha | <ul style="list-style-type: none"> • As thunderstorm with lightning & gusty wind, light to moderate rain is expected at isolated/few places, keep already harvested produce at safer places. • Harvest matured rice, green gram, sesame, maize, groundnut, vegetables and fruits like watermelon, muskmelon and mango as early as possible with safe storage. • Provide mechanical support to newly planted orchards and vegetables to prevent them from lodging during gusty winds. with the availability of irrigation water. |

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| | Konkan | <ul style="list-style-type: none"> • Continue land preparation for cultivation of turmeric and kharif rice in fallow lands. • Cloudy weather and increased humidity may lead to the outbreak of anthracnose in mango. To control, spray Carbendazim @ 10 g per 10 litres of water during clear weather. • As thunderstorms accompanied by lightning, light to moderate rainfall & gusty winds at isolated places are expected, undertake harvesting of matured mango, cashew, green gram, groundnut and summer rice as early as possible. • Keep the harvested produce in safer places. Undertake staking in vegetable crops and newly planted orchards. |
| | Gujarat | <ul style="list-style-type: none"> • Complete harvesting of ripe mangoes. Harvest the mature heads of pearl millet, pods of green gram and vegetables; undertake drying of the crop produce during clear weather. • Provide mechanical support in banana plants at bunch development / fruiting stages. |
| 23-05-2025 | South Interior Karnataka | <ul style="list-style-type: none"> • Postpone agricultural operations like irrigation, fertilizer application. • Remove weeds, take up shallow ploughing without damaging the plants and clean the drainage channel in the arecanut and coconut plantation. • Stake/support crops like banana & tomato to prevent lodging. |
| | Andhra Pradesh | <ul style="list-style-type: none"> • Due to anticipated rainfall, harvest matured vegetables and fruits, and shift to safer places. Provide mechanical support to orchards and vegetable crops. Undertake land preparation for the sowing of groundnut and rainfed sugarcane. • Provide propping in the banana to prevent lodging from wind/thunderstorms. |

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| | Odisha | <ul style="list-style-type: none"> • Provide staking to young and newly planted crops to avoid damage. • Maintain higher soil moisture in vegetable fields through irrigation as per the need. Use drip irrigation with organic mulches like straw, dry leaves, or sawdust to reduce evaporation losses |
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