

All India Coordinated Research Project on Agrometeorology (AICRPAM)

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Weather conditions and Agromet advisories issued during September 2022

1. General Weather Conditions

During 01 June - 30 September 2022, the country as a whole received 925 mm rainfall, which is 6% excess, compared to the normal rainfall (869 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was excess, normal and deficient in 12, 18, and 06 sub-division(s), respectively as depicted in Fig. 1.

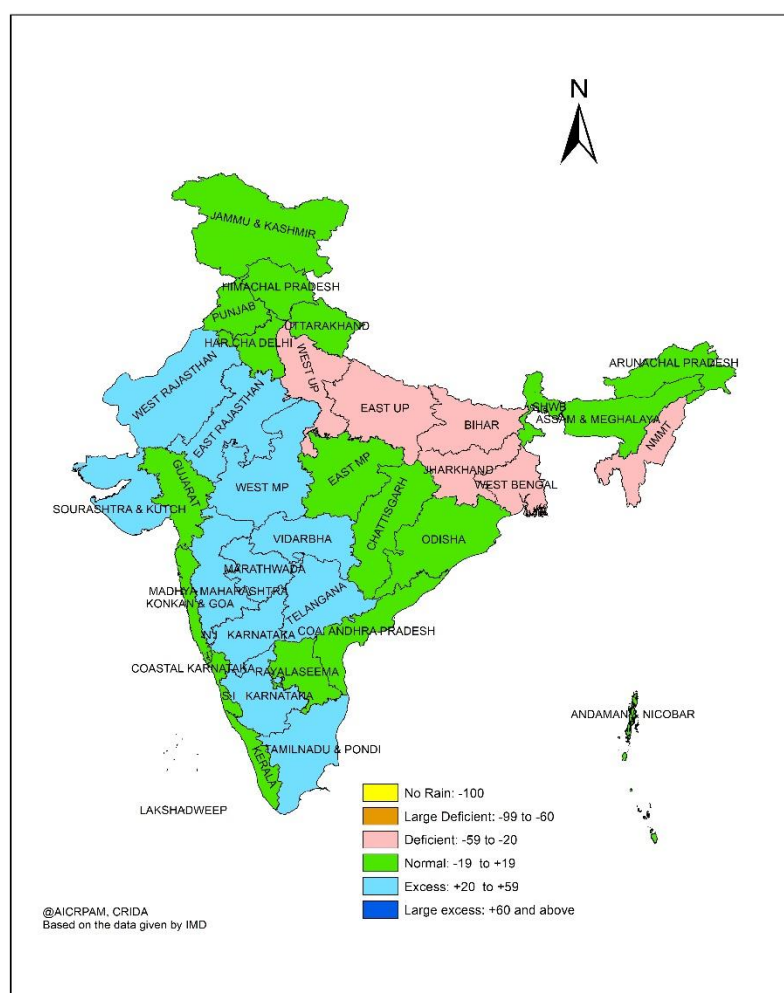


Fig. 1: Seasonal rainfall status (01 June - 30 September 2022) in 36 meteorological sub-divisions, India

2. Agromet advisories issued by AICRPAM centers during September 2022

| Date of issue | Advisory issued for the region | Agromet Advisory issued |
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| 02-09-2022 | Western Uttar Pradesh | <ul style="list-style-type: none"> • Due to highly deficit rainfall condition (47 districts of Uttar Pradesh have received deficient rainfall), farmers are advised for sowing of following recommended short duration, late sown hybrid varieties of pearl millet viz., <i>Pusa-322</i>, <i>Pusa-32</i> and <i>ICMH-451</i>. • Due to scanty and highly deficit rainfall condition, farmers are advised to take up land preparation of vacant field for the sowing of Toria. |
| | Eastern Uttar Pradesh | <ul style="list-style-type: none"> • Due to high humidity and the possibility of rain, the farmers are advised to keep animal sheds clean and sprinkle lime outside to prevent from mosquito and flies. • In view of the normal rainfall forecast in next two weeks, farmers are advised to sow the seeds in nursery for <i>kharif</i> onion by making beds. The recommended seed rate for planting is 12-15 kg per hectare. |
| | Jharkhand | <ul style="list-style-type: none"> • Different districts of Jharkhand received good amount of rainfall during last two weeks. Therefore, farmers are advised to ensure drainage of excess water from crops/vegetables and rice fields. |
| | Bihar | <ul style="list-style-type: none"> • Due to widespread rainfall during last week, farmers are advised to take up land preparation for sowing of pigeon pea in upland areas with recommended varieties <i>Pusa-9</i> and <i>Sarad</i>. • Because of rainfall received during last week, planting of onion in field and fruit saplings in the orchards are advised. |
| 09-09-2022 | West Bengal | <ul style="list-style-type: none"> • Due to low rainfall in the southern districts of West Bengal in the previous week, retting quality in jute may be hampered. Additional water should be added accordingly to maintain the fiber quality. |
| | Tamil Nadu | <ul style="list-style-type: none"> • Due to forecast of deficit rainfall during next two weeks, farmers are advised to provide irrigation in crop fields. |
| | Odisha | <ul style="list-style-type: none"> • Deficit in rainfall leads to infestation of <i>Epilachna</i> beetle in cucurbit crops. To manage it is advised to spray neem-based pesticide (Neem Oil 1500 ppm) @ 3 ml/litre of water at early stage of infestation. |
| | Madhya | <ul style="list-style-type: none"> • Due to cloudy weather condition, there may be a |

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| | Maharashtra | chance of leaf eating caterpillar in <i>kharif</i> crops like soybean, sunflower, pigeon pea, bajra etc. To manage, it is advised to use pheromone traps @ 5/ha and also if required spray Profenofos/Quinalphos/Chlorpyrifos @ 20 ml per 10 litre of water. |
| 16-09-2022 | Vidarbha | <ul style="list-style-type: none"> • Sowing of <i>kharif</i> crops should be undertaken only when about 75-100 mm monsoon rainfall has occurred across two to three days. Avoid sowing under insufficient soil moisture condition. |
| | Odisha | <ul style="list-style-type: none"> • Due to continuous rain, the banana farmers are advised to drain out the excess water from the field and earthing up the newly planted banana. After the cessation of rain, apply the recommended dose of fertilizer. |
| | Andhra Pradesh | <ul style="list-style-type: none"> • In Srikakulam, Vizianagaram, Guntur and Krishna districts, present weather conditions are favorable for the incidence of sucking pests in cotton. To control, spraying of Imidacloprid @ 0.3 ml or Acetamiprid @ 0.2g/litre of water is recommended. |
| | Rajasthan | <ul style="list-style-type: none"> • Keeping in the view of light rainfall forecast in next two weeks, farmers are advised to do proper arrangement for storing rain water at one portion in the field and can be used for irrigation in the crops at suitable time during dry spell. |
| 23-09-2022 | Western Uttar Pradesh | <ul style="list-style-type: none"> • 143.4 mm rainfall occurred during last week against 32.0 mm normal rainfall. Therefore, farmers are advised to drain out excess rain water in all vegetables, pulse, oilseed, maize and nurseries of the vegetable's crops. • Under prevailing rainy weather condition, farmers are advised to skip irrigation and spraying of insecticide in pearl millet. |
| | Eastern Uttar Pradesh | <ul style="list-style-type: none"> • Due to prevailing rainy condition and possibility of rainfall in the next week, farmers are advised to withhold irrigation in all the crops. • If farmers have already given irrigation to crops, then under optimum moisture condition, they are advised for topdressing of fertilizer application at topdressing. |
| | Jharkhand | <ul style="list-style-type: none"> • Under assured irrigation facility, farmers are advised to cultivate potato with recommended varieties like <i>Kufri Ashoka</i>, <i>Kufri Pukhraj</i>, <i>Kufri Chandramukhi</i> etc. |
| | Assam | <ul style="list-style-type: none"> • Due to heavy rainfall at some places of Assam, farmers of that region are advised to repair the bunds |

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| | | in the paddy fields to conserve rain water and maintain standing water of 5±2 cm depth. |
| 30-09-2022 | Kerala | <ul style="list-style-type: none"> • October to February is the suitable time for cultivating cool season vegetables like cabbage, cauliflower, onion etc. Farmers are advised to prepare nursery during the last week of September or first week of October. |
| | Konkan | <ul style="list-style-type: none"> • Due to dry weather and increase in temperature, there is possibility of incidence of rugose spiraling white fly on coconut. If incidence is noticed, it is advised to give three spray of neem oil 0.5% @ 50 ml per 10 litres of water at 15 days interval followed by three sprays of water by pressure pump at 10 days interval. |
| | North Interior Karnataka | <ul style="list-style-type: none"> • As deficit to large deficit rainfall received during previous week, it is suitable time for top dressing of fertilizers to support flowering and good seed setting. |
| | Madhya Pradesh | <ul style="list-style-type: none"> • Under humid and heavy rainfall conditions, citrus canker may occur in the citrus tree. For management, the affected leaves and twigs are to be destroyed by breaking, after that, spray of solution @ 180 g of Copper oxychloride and @ 6 g of Streptocycline in 60 litres of water is advised. |