

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 23rd July to 3rd August, 2018

"The advisory is based on inputs received from the State Agricultural Universities of the respective stat

| Date | ACTUAL RAINFALL In mm IMD | | | | | | PREDICTED IMD | | | | | | ADVISORY |
|----------------|---------------------------|----|----|----|----|------|---------------|----|----|---|---|---|---|
| | Jul-18 | | | | | | Aug-18 | | | | | | |
| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 2 | 3 | |
| PUNJAB | | | | | | | | | | | | | <p>At Bathinda, the crop is 75 to 85 days old at vegetative and flowering stage. <i>Digera arvensis</i>, <i>Trianthema monogyna</i>, <i>Amaranthus viridis</i> and <i>Madhana</i> were the major weeds observed for which weeding operations have been taken up. Recommended fertilizers have been applied. Overall crop condition is good</p> <p>Whitefly population varied from 0 -10 per three leaves. Jassid population varied from 0 - 18 per three leaves. Grade II injury equivalents were observed in few locations. Thrips incidence varied from 0 – 54 per 3 leaves. Root rot incidence was observed at very few locations.</p> <p>Advisory: Spray for jassid control has been advised to farmers.</p> |
| Ferozpur | 0 | 1 | 0 | 1 | 1 | | 9 | 8 | 8 | 7 | 4 | 0 | |
| Faridkot | 3 | 0 | 0 | 11 | 2 | | 10 | 10 | 4 | 0 | 0 | 0 | |
| Mukatsar | 1 | 0 | 0 | 0 | 0 | | 9 | 9 | 8 | 7 | 4 | 0 | |
| Bhatinda | 0 | 0 | 0 | 5 | 1 | | 9 | 10 | 8 | 7 | 0 | 0 | |
| Sangrur | | | | | | | 8 | 15 | 8 | 5 | 0 | 0 | |
| Ludhiana | | | | | | 17.8 | | | | | | 0 | |
| | 0 | 0 | 0 | 1 | 0 | | 5 | 7 | 5 | 4 | 0 | | |
| HARYANA | | | | | | | | | | | | | <p>At Sirsa, the crop is 65-70 days old at vegetative and flowering stage. Incidence of whitefly at experimental farm of CICR Sirsa under unprotected conditions ranged between 18-27/3 leaves The average leafhopper population on all these genotypes ranged between 3.6-4.7 /3 leaves and thrips population ranged between 18.5-35.7/3 leaves. However, at farmers' field locations, whitefly ranged between 13-19/3leaves. The incidence of whitefly is stable. Thrips and leafhopper counts have also been observed.</p> <p>Advisory: Farmers are advised to be vigilant for the sucking pests due to increasing trend of whitefly counts .Wherever the population of whitefly/leafhopper crossed ETL, it has been advised for application of Nimbicidene @1.0 litre/acre or Flonicamid @ 80g/acre if the mixed infestation of whitefly and leafhopper is observed.</p> |
| Hissar | 9 | 0 | 0 | 22 | 0 | 0 | 8 | 9 | 5 | 0 | 0 | 0 | |
| Jind | | | | | | | 10 | 9 | 7 | 4 | 0 | 0 | |
| Sirsa | 0 | 29 | 1 | 0 | 0 | | 0 | 12 | 0 | 0 | 0 | 0 | |
| Rohtak | 2 | 2 | 2 | 2 | 2 | | 6 | 8 | 8 | 4 | 0 | 0 | |






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|------------------|-----|-----|-----|-----|-----|------|----|----|----|----|----|----|---|
| RAJASTHAN | | | | | | | | | | | | | At Sriganganagar, the crop is 70 to 95 days old at square and boll formative stage. <i>Itsit, Tandla, Motha</i> were the major weeds observed. Need based irrigation applied, weed hoeing to clean the crop, second recommended dose of fertilizer (Urea) also applied. Jassid noticed 0.33-0.67 nymph/3leaves, whitefly incidence crossed ETL Level (3.67-5.33/3 leaves), thrips population observed ranging from 14.67-31.67/ 3 leaves, Incidence of <i>Earias</i> spp. on desi and American cotton was recorded 4-7 larvae/20 plants. 2-4 adult moth of pink boll worm catches per pheromone trap/ week were also observed. Occurrences of cotton leaf curl virus disease (CLCuD PDI 5-10 %) at farmers fields recorded. |
| Hanumangarh | | | | | | | | | | | | | |
| Sri Ganganagar | 0 | 0 | 0 | 0 | 0 | 14.2 | 0 | | 0 | 0 | 0 | 0 | |
| Banswara | | | | | | | | | | | | | |
| ORISSA | | | | | | | | | | | | | At Bhawanipatna, the crop is 30 to 37 days old at vegetative stage. First top dressing of fertilizer and weeding operations have been carried out. Crop is infested with all kinds of weeds like grassy, broad leaf and sedges. Sporadic incidence of aphids noticed at some places. No disease incidence. |
| Koraput | 14 | 2.8 | 7.2 | 9 | 22 | 6 | 26 | 47 | 33 | 17 | 11 | 13 | |
| Kalahandi | 3 | 0 | 0 | 3 | 1 | 0.6 | 70 | 51 | 61 | 38 | 27 | 22 | |
| Balangir | 0 | 0 | 0 | 16 | 0 | | | | | | | 6 | Advisory: As rainfall is expected during next five days and monsoon is active, farmers are advised to go for first top dressing and earthing up if not taken up. Recommended dose of fertilizers for Odisha For hybrids: 120:60:60 kg NPK/ha and For varieties: 90:45:45 kgNPK/ha; First top dressing: 50 % K + 50% N. 3. For green manuring, incorporate Sunhemp to the soil during earthing up. Trap crops like castor, marigold and maize should be planted around the cotton field. Drain out excess rain water from the cotton fields |
| | | | | | | | 28 | 29 | 28 | 31 | 26 | | |
| GUJARAT | | | | | | | | | | | | | Early and timely sown short duration crop escapes insect pests and gets soil moisture at the crucial flowering and boll formation stage thus resulting in high yields with less need for inputs. Late sown crop will need to be managed for the pink bollworm. |
| Amreli | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | At Surat, the crop is at vegetative stage. The weather was generally cloudy sky. Weeding and other intercultural operations have been taken up. Incidence of thrips and jassids below ETL. |
| Bhavnagar | 0.6 | 0 | 0 | 3.1 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | At Junagadh, the crop is 48 days old at flowering stage. Interculturing weeding and insecticide application was carried out. |
| Jamnagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | Advisory: Application of NSKE 500ml+neem oil 50ml or Quinalphos 20AF @ 20 ml or Chlorpyriphos @ 20 EC 25 ml in 10 liter of water for control of pink bollworm and Flonicamid 50WG 4g in 10 liter of water is suggested for control of sucking pests in cotton crop. Farmers are also advised to install pheromone trap @ 20/ha for mass trapping of pink boll worm. |
| Rajkot | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | |
| Broach | 0 | 1 | 41 | 1 | 1.2 | | 3 | 5 | 4 | 3 | 4 | 6 | |
| Sabarkantha | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | |
| Surendranagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | |
| Ahmedabad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 3 | 5 | |
| Baroda | 1 | 4.1 | 0 | 6.8 | 0 | 0 | 6 | 9 | 7 | 4 | 6 | 7 | |
| Patan | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mehesana | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | |

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| MP | | | | | | | | | | | | | |
| Khargaon | | | | | | | | | | | | | The crop is about 30 to 45 days in different areas as per sowing dates. |
| Dhar | 3.5 | 21 | 0 | 4.9 | 0 | 0 | 3 | 5 | 3 | 3 | 4 | 5 | Advisory: Top dressing with N+P is recommended during rain-free period. Wilt and root rot problems are expected after rains. These should be attended on priority with remedial measures recommended |
| Khandwa | | | | | | | | | | | | | |
| MAHARASHTRA | | | | | | | | | | | | | |
| Dhule | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | At Nanded, the crop is 45 to 60 days old at vegetative to flowering stage. Intercultural operations are to be carried out for aeration in soil and weed management. Infestation of jassid and aphids has been recorded above ETL. Occurrence of pink bollworm is also reported in some areas. |
| Nandurbar | 5 | 6 | 13 | 2 | 0 | | 6 | 9 | 9 | 8 | 9 | 7 | |
| Jalgaon | 4 | 10 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Ahmednagar | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Aurangabad | | | | | | 0 | 39 | 10 | 8 | 26 | 17 | 18 | |
| Jalna | 2 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Beed | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Nanded | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Parbhani | 2.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hingoli | 0 | 0 | 0 | 1 | 3 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Buldhana | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | |
| Akola | 8 | 8 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Washim | 11 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 | 0 | |
| Amravati | 13 | 3.4 | 0 | 1.8 | 1 | 1.2 | 4 | 6 | 4 | 0 | 8 | 5 | |
| Yavatmal | 16 | 3 | 0 | 7 | 0 | 5.4 | 0 | 0 | 0 | 0 | 4 | 0 | |
| Wardha | 12 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 4 | |
| Nagpur | 0 | 1 | 0 | 1 | 6 | 0 | 4 | 5 | 9 | 9 | 7 | 7 | |
| Chandrapur | 21 | 2 | 1 | 3 | 8 | 1.2 | 4 | 7 | 28 | 7 | 18 | 14 | |
| TELANGANA | | | | | | | | | | | | | |
| Adilabad | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 5 | 3 | The crop is in 3 to 4 leaf stage in 10 per cent area where sowings were taken up during last week of June and in rest of the areas, sowing is under progress. First split application of N & K fertilizers should be given in early sown crop. Inter-cultivation and foliar nutrition with 1% of KNO ₃ should be taken up. For ensuing kharif crop, wherever sowings were done, farmers are advised to take up inter-cultivation as moisture conservation measure. Slight rains are predicted by the end of the week. |
| Warangal | | | | | | 0 | 3 | 0 | 0 | 0 | 0 | 0 | |
| Khammam | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 3 | |
| Karimnagar | 1 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mahabubnagar | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | |

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| AP | | | | | | | | | | | | | <p>Advisory: Though thrips and whiteflies may be observed on cotton plants, it is advisable to avoid any chemical sprays. Neem oil based sprays are recommended wherever leaf hoppers and whiteflies are seen on early sown crop. Field bunds of proposed cotton growing fields should be kept clean and weed free to avoid initial inoculum of pest and diseases.</p> |
| Guntur | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | |
| Prakasam | 0 | | | | | 0 | 6 | 0 | 0 | 0 | 0 | 0 | |
| KARNATAKA | | | | | | | | | | | | | <p>Sowing of Bt cotton is completed in all the cotton growing areas. Sowing of desi cotton varieties is under progress in some patches in rainfed areas. Bt cotton crop sown during first week of June is at peak growing stage with square initiation. Early sown crop is 45-50 days old and the crop is at peak growing stage and square initiation stage. At some locations the crop is 30 days old, wherein the sowing was delayed due to late onset of monsoon. Continuous drizzling during period under report prevailed in cotton growing areas of Dharwad and Belgaum districts. The rainfall received helped for top dressing of fertilizers and for proper growth of cotton crop in these districts. But, no rainfall was received in cotton growing areas of Gadag, parts of Dharwad and Bagalkot wherein the crop growth is checked due to moisture stress.</p> <p>Advisory: In 40 days crop, first top dressing with 25 kg Urea and 25 kg Potassium per acre is suggested. Where the crop is at 55 to 60 days old, foliar application of all 19 water soluble fertilizer along with plant protection measures for sucking pests. Weeds are to be controlled by repeated interculture operation and hand weeding. Under unavoidable circumstances, post emergent herbicide application of Quizolfop Ethyl @ 1 ml/lit of water and Pyriithiobac sodium @ 0.8 ml/lit (Tank mix) is suggested to control monocot and dicot weeds. Sucking pests and shoot weevil incidence is reported in Haveri, Belgaum and Dharwad districts. Suggested to hand pick the adult weevils sheltering on the top portion of the cotton plant during morning hours wherever possible. Root rot and collar rot of cotton seedlings are reported in some places and suggested to drench the crop with Vitvax powder fungicide. Suggested to complete sowing of Bt cotton by July end. It is suggested to drain out the excess water from cotton fields where there is stagnation of water due to heavy rains in some parts of Haveri and Belgaum and to top dress the crop with 20 kg urea in the affected area. In scanty rainfall areas, suggested to earth up the crop by repeated interculture operation with foliar sprays of all 19 water soluble fertilizer (10g/lit of water) at 15 days interval.</p> |
| Dharwad | 0 | 4 | 1 | 0 | 4 | | | | | | | | |
| Haveri | | | | | | | | | | | | | |
| Mysore | | | | | | 0 | | | | | | | |

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| TAMILNADU | | | | | | | | | | | | | Land preparation for sowing is in progress. |
| Perambalur | 0 | 0 | 0 | 0 | 0 | | 6 | 9 | 5 | 3 | 6 | 9 | |
| Salem | 0 | 5 | 1 | 8 | 0 | 0 | 6 | 18 | 24 | 23 | 18 | 24 | |
| Trichy | | | | | | 0 | 0 | 8 | 17 | 7 | 6 | 7 | |
| Virdhunagar | 0 | 0 | 0 | 0 | 0 | | 15 | 11 | 3 | 0 | 5 | 7 | |

Legend

| | | | |
|-------------|---|-------|--|
| Rainfall mm |  | < 5 | 0 mm rainfall in the blank spaces |
| Rainfall mm |  | 5-20 | Blank space express data Not available. |
| Rainfall mm |  | 21-50 | Source : http://imdagrmet.gov.in |
| Rainfall mm |  | 51-80 | |
| Rainfall mm |  | > 80 | |