

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 3rd to 9th October 2016

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

WEATHER ADVISORY

| Date | Actual Rainfall IMD | | | | IMD Forecast | | | | | | | | | ADVISORY |
|------------------|---------------------|-----|-----|----|--------------|------|-----|------|------|-----|------|-----|------|---|
| | September | | | | October | | | | | | | | | |
| | 22to28 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| PUNJAB | | | | | | | | | | | | | | In North Zone the cotton crop has reached maturity and cotton picking is in full swing. Of the survey report from Punjab it is observed that among the 16 villages surveyed in Faridkot, whitefly crossed ETL in 1 and 3 locations of Behlewal and Khara villages, respectively on Bioseed 6588 and MRC 7017. In Muktsar, among the eleven villages surveyed whitefly population crossed ETL in 1 to 2 locations of Kaoni, Doda, Lohara, Chattiana and Goniana villages. In Bathinda among the 23 villages surveyed, whitefly crossed ETL in 1-6 locations of fourteen villages namely, Shehgarh, Snewal Mehta, Kot samir, Kuttikalalan, Thamamgarh, Ghumangarh, Ghumankuhrd, Kuttikalalan, Ramnagar, Jivan singh wala, Buladhewala, Deon, Burj mehmand Bhisiana on Bt hybrids viz., Ankur 3028, RCH 650, RCH 773, Bio105, RCH650, Bio 6488, Bio 6588. In Haryana, (Sirsa) survey over 5 villages indicated that the population of whitefly and thrips were observed below ETL. In Sriganagar of Rajasthan, whitefly crossed ETL in 1-2 locations of all the three villages surveyed (Shadhuwali (1Z), Kaliya and Kotha). Farmers are advised not to irrigate the field after one-third opening of bolls, no picking in morning hours. The kapas should be dried before storage to avoid micro-organism damage. |
| Bathinda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Ferozpur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Muktsar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mansa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| HARYANA | | | | | | | | | | | | | | |
| Sirsa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.3 | 0 | 0 | 0 | 0 | 0 | |
| Hissar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 0 | 0 | 0 | 0 | 0 | |
| Fatehabad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| RAJASTHAN | | | | | | | | | | | | | | |
| Hanumangarh | 6.7 | 0 | 0 | 0 | 0 | 0 | 0.7 | 1.1 | 1 | 1 | 0 | 0 | 0 | |
| Sri Ganganagar | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | |
| Banswara | 33.8 | 0 | 0 | 0 | 0 | 34.1 | 7.7 | 9 | 2 | 3 | 2 | 1 | 0 | |
| ORISSA | | | | | | | | | | | | | | |
| Koraput | 48.2 | 1.4 | 2.8 | 0 | 39.1 | 4.3 | 0 | 0 | 0 | 0.6 | 4.4 | 6.9 | 9.5 | |
| Kalahandi | 37.1 | 0 | 4.4 | 34 | 16.3 | 5.4 | 5.5 | 10 | 0 | 0.1 | 0.1 | 2.2 | 8.1 | |
| Balangir | 59 | 8 | 5.8 | 0 | 1.8 | 7.9 | 2.4 | 7 | 19.9 | 3 | 14.3 | 7 | 20.2 | |
| GUJARAT | | | | | | | | | | | | | | |
| Amreli | 1.3 | 0 | 0 | 0 | 0 | 0 | 8.2 | 20.4 | 39 | 59 | 60 | 45 | 43 | |
| Bhavnagar | 0.8 | 0 | 0 | 0 | 0 | 1.6 | 5.8 | 24.8 | 25 | 12 | 60 | 45 | 43 | |
| Jamnagar | 0 | 0 | 0 | 0 | 0 | 1.2 | 0.8 | 6.2 | 19 | 15 | 20 | 15 | 10 | |

| | | | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|----|----|----|----|----|--|--|
| Rajkot | 1.9 | 0 | 0 | 0 | 0 | 0 | 0.6 | 19.6 | 25 | 40 | 40 | 45 | 43 | villages surveyed in Junagadh, pink boll worm infestation was above ETL in 1 location of Prabhatpur village. PINK BOLLWORM PHEROMONE TRAPS MAY BE INSTALLED IMMEDIATELY @ 4-5 TRAPS PER HECTARE FOR MONITORING. | |
| Broach | 24.6 | 0 | 0 | 0 | 0 | 0.4 | 8.1 | 3.4 | 30 | 60 | 32 | 25 | 20 | | |
| Sabarkantha | 3.9 | 0 | 0 | 0 | 0 | 5.7 | 1.2 | 5.6 | 10 | 11 | 3 | 0 | 5 | | |
| Surendranagar | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.2 | 14.8 | 11 | 11 | 11 | 10 | 10 | | |
| Ahmedabad | 1.9 | 0 | 0 | 0 | 0 | 5.7 | 1.3 | 17.6 | 25 | 25 | 30 | 30 | 35 | | |
| Baroda | 23.7 | 0 | 0.1 | 0 | 0 | 0.4 | 6.3 | 5.2 | 62 | 55 | 40 | 24 | 19 | | |
| Patan | 0 | 0 | 0 | 0 | 0 | 10.8 | 0.3 | 7.7 | 4 | 0 | 0 | 0 | 0 | | |
| Mahesana | 0.2 | 0 | 0 | 0 | 0 | 9.2 | 0 | 5.7 | 5 | 3 | 11 | 12 | 15 | | |
| MP | | | | | | | | | | | | | | | No incidence of diseases has been noticed. Sucking pests has crossed ETL in some villiages. Recommended control measures may be initiated. |
| Khargaon | 6.8 | 0.4 | 10 | 5 | 27.2 | 4 | 3.4 | 6 | 21 | 24 | 16 | 10 | 6 | | |
| Dhar | 81.1 | 38.7 | 8.1 | 5 | 32.5 | 19.4 | 10.8 | 6.3 | 20 | 20 | 12 | 8 | 3 | | |
| Khandwa | 32.8 | 0 | 15.7 | 2 | 4 | 13.3 | 8.3 | 2.7 | 24 | 23 | 16 | 13 | 6 | | |
| MAHARASHTRA | | | | | | | | | | | | | | In Nanded the cotton crop is in boll development stage. Among the five villages (Pimpalgaon, Phulwal, Keroda, Vartala and Tuppa) surveyed, whitefly and leaf hopper was above ETL in all the locations and thrips in 2 & 3 locations of 2 villages surveyed (Pimpalgaon and Vartala) and Pink boll worm infestation was above ETL in 2-5 locations. Monitor fields for diseases. In the Vidharba region, due to intermittent rains intercultural operations and insecticide spray is hampered. Efforts on good drainage, weeding and planofix spray is recommended for boosting the crop growth. The crop will respond to fertilizer application of Nitrogen + Potash + Sulphur. Application of 20 kg Urea, 10-15 kg MOP/acre and foliar application of nutrients such as Urea 2% (20g/ltr) or 1-2% (10-20g/ltr) KNo3 alongwith 1% (10g/ltr) Magnisium Sulphate 2-3 times at 5-7 days interval is advised. | |
| Dhule | 32 | 0 | 0 | 0 | 11.3 | 1.6 | 29.7 | 12.6 | 19 | 7 | 16 | 17 | 21 | | |
| Nandurbar | 33.1 | 0.5 | 0 | 0 | 4.1 | 2 | 9.3 | 16.5 | 27 | 5 | 7 | 8 | 11 | | |
| Jalgaon | 38 | 0.6 | 6.2 | 1.3 | 8.7 | 6.5 | 9.8 | 9.3 | 15 | 10 | 6 | 9 | 8 | | |
| Ahmednagar | 78.9 | 0.3 | 5.6 | 0.4 | 1.9 | 23.9 | 48.1 | 21.3 | 44 | 12 | 23 | 20 | 20 | | |
| Aurangabad | 41.9 | 0 | 5.5 | 0.3 | 9 | 6.9 | 19.3 | 7.9 | 15 | 6 | 8 | 12 | 14 | | |
| Jalna | 96.5 | 0 | 4.5 | 0 | 3.2 | 12.3 | 40.2 | 10.5 | 14 | 3 | 2 | 2 | 3 | | |
| Beed | 221 | 1.1 | 0.7 | 0.1 | 11.3 | 43.8 | 21.8 | 19.3 | 5 | 1 | 1 | 1 | 3 | | |
| Nanded | 110 | 1.1 | 0.7 | 1.6 | 30 | 34.2 | 6.3 | 0.3 | 4 | 0 | 3 | 4 | 7 | | |
| Parbhani | 171 | 2.3 | 1.1 | 7.7 | 15.7 | 30.4 | 15.6 | 0 | 9 | 0 | 0 | 4 | 3 | | |
| Hingoli | 85.5 | 0 | 0 | 0 | 13.5 | 37.3 | 17.3 | 0 | 3 | 0 | 3 | 5 | 5 | | |
| Buldhana | 56.2 | 0.1 | 4.4 | 5.7 | 9.5 | 9.3 | 16.8 | 2.3 | 10 | 7 | 6 | 7 | 3 | | |
| Akola | 35.6 | 0 | 0 | 4.2 | 5.7 | 18.2 | 20.8 | 1.3 | 7 | 6 | 4 | 2 | 7 | | |
| Washim | 70.2 | 4.3 | 0 | 1.2 | 8.3 | 17.5 | 12.5 | 3.3 | 7 | 4 | 3 | 2 | 6 | | |
| Amravati | 59.3 | 0 | 0.2 | 14.4 | 14.2 | 11.3 | 6.6 | 0.1 | 9 | 6 | 3 | 4 | 4 | | |
| Yavatmal | 51.4 | 7.4 | 0 | 12.2 | 15.2 | 7.8 | 7.2 | 0.6 | 2 | 1 | 1 | 1 | 4 | | |
| Wardha | 28.5 | 0.9 | 0 | 15.5 | 14.7 | 8.2 | 1.1 | 0 | 4 | 2 | 3 | 3 | 7 | | |
| Nagpur | 44.3 | 3.8 | 0 | 8.7 | 14.1 | 0.3 | 1.2 | 0 | 4 | 3 | 2 | 4 | 9 | | |
| Chandrapur | 128 | 23.4 | 5.6 | 17 | 16.8 | 5.8 | 9.3 | 0 | 3 | 3 | 2 | 4 | 6 | | |

| TELANGANA | | | | | | | | | | | | | | Heavy rains were received all across the cotton growing regions in Telangana. Soil moisture is available and it is a good time to apply top dressing of Fertilisers as booster dose @ 20 kg Urea, 10-15 kg MOP/acre and foliar application of nutrients such as Urea 2% (20g/ltr) or 1-2% (10-20g/ltr) KNO ₃ alongwith 1% (10g/ltr) Magnisium Sulphate 2-3 times at 5-7 days interval is advised. Fields must be drained off the excess water to avoid water logging, parawilt and shedding of fruiting parts, Foliar application of Planofix is highly recommended at fortnightly intervals. Monitor fields for diseases. |
|--------------|------|------|-----|-----|------|------|-----|-----|---|---|---|---|---|---|
| Adilabad | 148 | 13.3 | 0.2 | 0 | 9.6 | 13.5 | 9.8 | 0 | 5 | 3 | 0 | 0 | 4 | |
| Warangal | 211 | 16.6 | 0.7 | 0 | 3.4 | 0.9 | 0 | 0 | 6 | 0 | 0 | 3 | 5 | |
| Khammam | 126 | 7.2 | 1.9 | 1 | 14.9 | 11.2 | 0 | 0.8 | 4 | 5 | 0 | 4 | 6 | |
| Karimnagar | 186 | 12.1 | 0.1 | 0 | 3.8 | 5.6 | 1.3 | 0.5 | 6 | 3 | 3 | 3 | 5 | |
| Nalgonda | 130 | 8 | 3.9 | 1.2 | 3 | 10.8 | 0 | 1.6 | 0 | 0 | 0 | 2 | 5 | |
| Mahabubnagar | 87.4 | 3.5 | 2.8 | 3.1 | 5.3 | 0.9 | 1.2 | 0.3 | 0 | 0 | 0 | 0 | 0 | |
| AP | | | | | | | | | | | | | | The crop has entered boll formation stage. Due to continuous rains, yellowing, drooping, withering and wilting of plants in the standing cotton crop was noticed. Excess water has been drained and top dressing of fertilizers (booster dose) was given. Top dressing of Fertilisers as booster dose @ 25-35 kg Urea and 10-15 kg MOP/acre and Foliar application of nutrients such as Urea 2% (20g/ltr) or 1-2% (10-20g/ltr) KNO ₃ alongwith 1% (10g/ltr) Magnesium Sulphate 2-3 times at 5-7 days interval should be given. |
| Guntur | 123 | 2.6 | 3.5 | 5.6 | 22.3 | 8.6 | 1 | 0.9 | 0 | 2 | 0 | 0 | 0 | |
| Prakasam | 27.3 | 0.5 | 2.9 | 0 | 0.3 | 0.2 | 0 | 3.2 | 5 | 0 | 0 | 0 | 0 | |
| KARNATAKA | | | | | | | | | | | | | | The crop is at Peak boll formation and boll development stage in majority cotton growing areas. Plant protection measures were undertaken for mirid and midge incidence along with pink bollworm in cotton growing areas of Haveri and Dharwad districts. Alternaria leaf spot was noticed in some parts of Haveri, Dharwad and Belgaum districts. It is suggested for light irrigation wherever dry spell is prevailing for more than 20 days. In Dharwad (Boll formation to bursting), among the nine villages surveyed, thrips infestation was above ETL in 2 and 3 locations of Karadigudda and HaroBelavadi villages, respectively. Infestation of shoot weevil was above ETL in 3 locations of Marewa village. In Raichur (Flowering to boll formation) among the nine villages surveyed, leafhopper infestation was below ETL and thrips infestation was observed above ETL in 3 – 5 locations of Kalmala, Kurdi and Sirwar villages on Bt hybrids. Control measures may be initiated as per recommendations of the 'Cotton health Management Strategies' note available on this web-site. |
| Dharwad | 8.3 | 0 | 0 | 4 | 3.1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | |
| Haveri | 17.7 | 0 | 8.2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mysore | 7.7 | 0 | 3.7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | |
| TAMILNADU | | | | | | | | | | | | | | Dry spell prevailed during last week in majority cotton growing areas. Top dressing with Nitrogen and Potash is recommended. Earthing up is also to be done. Hand weeding suggested for 37 - 45 days old crop to maintain weed free condition. Sucking pest occurrence is observed continuously due to weather condition. No incidence of diseases. In Coimbatore, among the three villages surveyed, whitefly and leafhopper infestation was above ETL in Kovilpalayam village, Infestation of leafhopper was above ETL in 2 and 3 locations of Keeranatham and Kottaiyampalayam villages. |
| Perambalur | 0.5 | 0.5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Salem | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Trichy | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Virudhunagar | 2 | 2 | 1.2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

| | | | | | |
|---------------|-----|------|-------|-------|------|
| Rainfall (mm) | < 5 | 5-20 | 21-50 | 51-80 | > 80 |
| Legend Colour | | | | | |

0 mm rainfall in the blank spaces

Source: http://nwp.imd.gov.in/bias/dist_fcst.htm

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