

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 17th to 23rd October 2016

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

WEATHER ADVISORY

| Date | 12-16 oct 2016 | IMD rainfall forecast | | | | | | | Advisory |
|------------------|----------------------|-----------------------|----|----|----|----|----|----|--|
| | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| PUNJAB | | | | | | | | | The crop is at boll bursting stage and picking started. First picking will be almost over at all locations of North Zone during this week. Avoid Picking of rotten cotton bolls. Avoid picking in morning hours. Dry the kapas before storage to avoid micro-organism damage. |
| Bathinda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Ferozepur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Muktsar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mansa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| HARYANA | 0 | | | | | | | | |
| Sirsa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hisar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Fatehabad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| RAJASTHAN | 0 | | | | | | | | |
| Hanumangarh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sri Ganganagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Banswara | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ORISSA | 0 | | | | | | | | No incidence of diseases. Sucking pests has crossed ETL in some villages. Recommended control measures may be initiated. In Bhavanipatna, out of three villages (Damudarpur, Karlakot and Sahajet) surveyed, only leaf hopper crossed ETL in 4 to 5 locations in each village. |
| Koraput | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Kalahandi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Balangir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| GUJARAT | 0 | | | | | | | | In major cotton growing regions of Gujarat, the crop is in boll development stage. In Surat, among the five villages surveyed for pest infestation, only leafhopper crossed ETL in 1 to 3 |
| Amreli | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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|--------------------|-----|---|---|---|---|---|---|---|---|
| Bhavnagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | locations of Pisad villages. PINK BOLLWORM PHEROMONE TRAPS MAY BE INSTALLED IMMEDIATELY @ 4-5 TRAPS PER HECTARE FOR MONITORING. |
| Jamnagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Rajkot | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Bharuch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sabarkantha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Surendranagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Ahmedabad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Baroda | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Patan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mehasana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MP | 0 | | | | | | | | |
| Khargone | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Dhar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Khandwa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MAHARASHTRA | 0 | | | | | | | | At Rahuri , the crop is at boll development stage. Medium to heavy infestation of weeds noticed for which control operations have been taken up. Alternaria blight and tobacco streak virus have been noticed. There was heavy rainfall after dry spell of 35 days which had resulted in leaf reddening to severe extent. In Akola, three villages were surveyed, in which whitefly was above ETL in 1 location of Adoshi village and Leafhopper was above ETL in 1 and 2 locations of Gorwa and Adoshi villages, respectively, Thrips was recorded as above ETL in 1 location of Adoshi village. In Nanded, among the five villages (Pimpalgaon, Phulwal, Keroda, Vartala and Tuppa) surveyed, whitefly was above ETL in 5 locations of all the villages surveyed, leafhopper crossed ETL in 2-4 locations of all the villages, Mealy bug (1-2 locations), pink Boll worm (2-3 locations), American boll worm (1-2 locations), S. litura (1-2 locations), Spotted boll worm (2-4 locations) were recorded in all the villages surveyed on Bt hybrids |
| Dhule | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Nandurbar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Jalgaon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Ahmednagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Aurangabad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Jalna | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Beed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Nanded | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Parbhani | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hingoli | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Buldhana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Akola | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Washim | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Amravati | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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|------------------|------|---|---|---|---|---|---|---|--|
| Yavatmal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Wardha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Nagpur | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Chandrapur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TELANGANA | 0 | | | | | | | | |
| Adilabad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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) KNo3 alongwith 1% (10g/ltr) Magnesium 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. Planofix spray is recommended to prevent dropping of squares and bolls. Pink boll worm infestation was above ETL in a few villages. PINK BOLLWORM PHEROMONE TRAPS MAY BE INSTALLED IMMEDIATELY @ 4-5 TRAPS PER HECTARE FOR MONITORING. |
| Warangal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Khammam | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Karimnagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Nalgonda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mahabubnagar | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| AP | 0 | | | | | | | | |
| Guntur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | The crop has entered boll formation stage. Incidence of jassids was noticed. Recommended insecticides to be taken as foliar spray on emergency. Bacterial blight and foliar fungal leaf spot diseases may occur due to the prevailing weather. Prophylactic control measures should be taken up. Top dressing of fertilisers as booster dose @ 25-35 kg Urea and 10-15 kg MOP/acre, foliar application of nutrients such as Urea 2% (20g/ltr) or 1-2% (10-20g/ltr) KNo3 alongwith 1% (10g/ltr) Magnesium Sulphate 2-3 times at 5-7 days interval should be given. At Guntur, ten villages were surveyed in which leaf hopper was recorded as above ETL in 1 location in each of Pedaparimi and Lingapuram villages |
| Prakasam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| KARNATAKA | 0 | | | | | | | | |
| Dharwad | 42.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | The crop is 120 to 125 days old in majority cotton growing areas at boll development stage. Sporadic high intensity rainfall was recorded in cotton growing areas of Dharwad and Haveri districts during last week. Plant protection measures were undertaken for sucking pests, mirid bug and pink bollworm in cotton growing areas of Belgaum, Haveri and Dharwad districts. It is suggested for mass trapping of PBW moths by erecting suitable pheromone traps in Bt cotton fields. Alternaria leaf spot noticed in some parts of Dharwad and Belgaum districts. Suggested for spray of Copper oxy chloride 50 WP @ 3g/lit or Mancozeb 75WP @ 2g/lit. Special monitoring and precautionary measures are suggested to manage pink boll worm, mirid and midge incidence in Bt cotton in parts of Haveri, Dharwad and Belgaum districts. Awareness is being created among the cotton growers about these pests through periodical trainings and farmer's field visits and voice messages. |
| Haveri | 2.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mysore | 4.9 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | |

| | | | | | | | | | |
|------------------|------|-----|---|---|---|---|---|---|---|
| TAMILNADU | 0 | | | | | | | | The crop is in square formation and flowering stage. Top dressing with Nitrogen, Potash and earthing up is recommended. Hand weeding suggested for 44 - 52 days old crop to maintain weed free condition. Sucking pest occurrence is observed continuously due to weather condition. Farmers are advised to give the recommended sprays of insecticides at regular intervals.No incidence of diseases.At Srivilliputhur, the winter irrigated cotton is at vegetative stage. The crop stand is good. Leafhopper and thrips were above ETL in 2 locations of Malli village |
| Perambalur | 8.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Salem | 26.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Trichy | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Virdhunagar | 56.8 | 0.9 | 0 | 0 | 1 | 0 | 0 | 5 | |

Rainfall (mm)
Legend Colour

| | | | | |
|-----|------|-------|-------|------|
| < 5 | 5-20 | 21-50 | 51-80 | > 80 |
|-----|------|-------|-------|------|

0 mm rainfall in the blank spaces
Source: http://nwp.imd.gov.in/bias/dist_fcst.htm

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