

## ICAR-Central Institute for Cotton Research

### Weekly Advisory for Cotton Cultivation from 19<sup>th</sup> to 25<sup>th</sup> September 2016

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

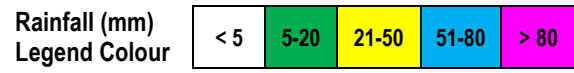
#### WEATHER ADVISORY

| Date             | SEPTEMBER         |     |     |    |    |    |    |    |                       |    |    |    |    | Advisory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|-------------------|-----|-----|----|----|----|----|----|-----------------------|----|----|----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | Rain received IMD |     |     |    |    |    |    |    | IMD rainfall forecast |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                  | 8to14             | 14  | 15  | 16 | 17 | 18 | 19 | 20 | 21                    | 22 | 23 | 24 | 25 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>PUNJAB</b>    |                   |     |     |    |    |    |    |    |                       |    |    |    |    | In Punjab the crop has reached maturity stage. Weeding, irrigation and potassium nitrate sprays may be done wherever needed. The pest dynamics is once again changing due to the dry phase resulting in whitefly population increase. Of the survey report from Punjab it is observed that among the 4 villages surveyed in Faridkot, whitefly crossed ETL in 1-3 locations in Rameana, Maraa and Ajitgill villages. In Muktsar, among the 25 villages surveyed whitefly crossed ETL in 5 villages namely Goniana, Lakhewali, Bhagsar, Mahabadar and Burra gujjar in 1-2 locations on Bt hybrids. In Bathinda, 23 villages surveyed, whitefly crossed ETL in 1-6 locations in all the villages. Cotton leaf Curl disease ranges from Grade II to Grade III. Bacterial blight of cotton was noticed. If there is parawilt after heavy rain/irrigation, it may be managed with PAU recommendation of 10ppm Cobalt chloride (10mg/ltr of water) on affected plants within few hours of symptom appearance. To control leaf spots or blight, spray the crop with recommended fungicides at an interval of 15 to 20 days starting just after shower of rain. |
| Bathinda         | 0                 | 0   | 0.9 | 0  | 0  | 0  | 0  | 0  | 0                     | 0  | 0  | 0  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Ferozepur        | 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  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>HARYANA</b>   |                   |     |     |    |    |    |    |    |                       |    |    |    |    | In Haryana, survey indicated that whitefly population was observed below ETL, however the nymphal population was observed towards an increasing trend Sirsa district. In Hisar, in one location each of three villages namely, Sadalpur, Bhattu and Nehrana whitefly crossed ETL. In Sriganaganar of Rajasthan, among the three villages surveyed, whitefly crossed ETL in 2 locations of Khaliya village only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sirsa            | 0                 | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0                     | 0  | 0  | 0  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hissar           | 0                 | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0                     | 0  | 0  | 0  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Fatehabad        | 0                 | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0                     | 0  | 0  | 0  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RAJASTHAN</b> |                   |     |     |    |    |    |    |    |                       |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hanumangarh      | 0                 | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0                     | 0  | 0  | 0  | 0  | In Haryana, survey indicated that whitefly population was observed below ETL, however the nymphal population was observed towards an increasing trend Sirsa district. In Hisar, in one location each of three villages namely, Sadalpur, Bhattu and Nehrana whitefly crossed ETL. In Sriganaganar of Rajasthan, among the three villages surveyed, whitefly crossed ETL in 2 locations of Khaliya village only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sri Ganganagar   | 0                 | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0                     | 0  | 0  | 0  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Banswara         | 0.2               | 0   | 0.4 | 0  | 7  | 1  | 6  | 16 | 1                     | 1  | 1  | 0  | 0  | The crop has entered the flowering and boll development stage. Sucking pests incidence was below ETL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORISSA</b>    |                   |     |     |    |    |    |    |    |                       |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Koraput          | 56.9              | 3.5 | 5.8 | 2  | 5  | 12 | 9  | 16 | 29                    | 32 | 39 | 24 | 24 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Kalahandi        | 104               | 7   | 9.4 | 3  | 0  | 0  | 0  | 3  | 16                    | 6  | 16 | 20 | 30 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Balangir         | 62.7              | 3   | 0.8 | 3  | 0  | 0  | 13 | 4  | 10                    | 0  | 17 | 8  | 17 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>GUJARAT</b>   |                   |     |     |    |    |    |    |    |                       |    |    |    |    | At Surat, the crop is in flowering stage. Leaf hopper infestation crossed ETL in 1 location at Chasvad village. Thrips and Pink boll worm crossed ETL in 2 and 1 locations, respectively at Dediypada village on Ajeet 199 BG II. Among the eight villages surveyed in Junagadh, thrips was observed in 1 – 2 locations of six villages namely, Dhoraji, Chhodavadi, Medapara,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Amreli           | 10.2              | 3.2 | 3.3 | 40 | 4  | 46 | 71 | 19 | 10                    | 10 | 15 | 15 | 5  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Bhavnagar        | 6.6               | 0.2 | 1.1 | 21 | 8  | 30 | 65 | 21 | 10                    | 10 | 15 | 5  | 5  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Jamnagar         | 0                 | 0   | 0   | 0  | 0  | 0  | 9  | 3  | 10                    | 7  | 15 | 5  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                    |      |     |     |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|------|-----|-----|----|----|----|----|----|----|----|----|----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rajkot             | 0    | 0   | 0   | 1  | 0  | 10 | 59 | 4  | 10 | 15 | 15 | 15 | 5  | Khokharada, Nagadiya and Thanapipali. Pink boll worm infestation was above ETL in 1-2 locations of Chhodavadi (Gopal-155 BG-II, RCH-2 BG-II) and Medapara (Gajab BG II) villages. Set up pink bollworm pheromone traps first for monitoring at 5 traps per ha and as trap catches reach between 5-6 moths/trap/night set up pheromone traps for mass trapping @20 traps per hectare. Jassids and thrips were noticed to be above ETL. At Junagadh, the crop is at squaring stage and boll development stage. Whitefly populations were observed to be below ETL (0 to 2/3 leaves/plant). Jassid populations were observed to be above ETL (7 to 8 per 3 leaves/plant), thrips (6 to 8 per 3 leaves/plant) and aphids were observed to be below ETL (0 to 1 per 3 leaves/plant). Mealy bugs were observed below ETL (0 to 1 Grade /plant). Incidence of Pink bollworm was observed at one larvae per 20 Flowers in to early sown cotton crop. Bacterial leaf blight and alternaria leaf spot observed and proper control measures were taken up                                                                                                                                                                                                                                                                      |
| Broach             | 9.7  | 0   | 1.9 | 19 | 10 | 27 | 15 | 3  | 0  | 25 | 13 | 12 | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sabarkantha        | 0    | 0   | 1.8 | 0  | 1  | 0  | 6  | 0  | 0  | 6  | 0  | 0  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Surendranagar      | 0    | 0   | 1   | 3  | 0  | 0  | 7  | 0  | 0  | 0  | 5  | 3  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ahmedabad          | 0    | 0   | 0   | 2  | 0  | 2  | 19 | 0  | 5  | 0  | 5  | 0  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Baroda             | 0    | 0   | 0.8 | 9  | 7  | 12 | 28 | 13 | 5  | 5  | 10 | 5  | 5  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Patan              | 0    | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 5  | 0  | 0  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mahesana           | 0    | 0   | 2.3 | 1  | 0  | 0  | 1  | 0  | 0  | 5  | 0  | 0  | 0  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MP</b>          |      |     |     |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Khargaon           | 0    | 0   | 13  | 10 | 23 | 17 | 39 | 7  | 27 | 22 | 35 | 30 | 42 | No incidence of diseases. Sucking pests menace controlled with recommended measures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Dhar               | 0    | 0   | 2.1 | 16 | 24 | 0  | 27 | 12 | 25 | 20 | 34 | 30 | 42 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Khandwa            | 0    | 0   | 6.3 | 4  | 61 | 0  | 8  | 0  | 27 | 22 | 35 | 30 | 42 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MAHARASHTRA</b> |      |     |     |    |    |    |    |    |    |    |    |    |    | The crop is at boll formation stage. weed intensity is very low. Thrips/jassids were noticed in pre monsoon sown crop and whitefly infestation was found in cotton sown in normal time. <i>Bacteria leaf blight</i> and <i>Alternaria</i> were seen in a few fields. Dropping of squares was noticed where rains occurred. Opening of furrows should be carried out for moisture conservation under rainfed conditions. Spraying of NAA @ 1.2 ml per 10 lit should be done to prevent square and boll shedding. If the white fly infestation goes beyond ETL, recommended measures should be taken up. In Rahuri, Leaf hopper and thrips were above ETL in 2-3 locations of all the three villages surveyed namely, Sade, Gotumbe Akhada and Pimpri Avghad. In Nanded, among the five villages (Delup, Goul, Jawala, Pala and Dhanegaon) surveyed whitefly and thrips were above ETL in all the locations, leaf hopper in 2-3 locations and pink boll worm in 4-5 locations and spotted boll worm is above ETL in all the 5 locations of Delup village alone. In Akola, leaf hopper and thrips were above ETL in 3-4 and 2-3 locations, respectively in the three villages surveyed namely, Nimkarda, Ugwa and Aagar on Bt hybrids. Set up pheromone traps for monitoring of pink bollworms at 5 traps per hectare. |
| Dhule              | 5    | 5   | 5.6 | 23 | 16 | 21 | 8  | 0  | 2  | 9  | 4  | 15 | 4  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Nandurbar          | 14.6 | 0   | 8.8 | 26 | 22 | 27 | 17 | 2  | 0  | 5  | 3  | 8  | 1  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Jalgaon            | 1.9  | 0.7 | 8.4 | 29 | 32 | 23 | 3  | 1  | 5  | 15 | 8  | 25 | 4  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ahmednagar         | 4.6  | 2.3 | 34  | 34 | 53 | 9  | 0  | 0  | 45 | 30 | 22 | 32 | 55 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Aurangabad         | 4.2  | 0   | 5.3 | 30 | 22 | 11 | 2  | 3  | 9  | 35 | 7  | 35 | 7  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Jalna              | 12   | 9.7 | 14  | 25 | 24 | 10 | 1  | 1  | 6  | 35 | 6  | 15 | 7  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Beed               | 14.4 | 13  | 32  | 37 | 45 | 2  | 0  | 1  | 7  | 20 | 5  | 7  | 4  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Nanded             | 39.2 | 29  | 30  | 26 | 24 | 2  | 2  | 0  | 65 | 35 | 10 | 13 | 7  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Parbhani           | 29.5 | 28  | 22  | 53 | 50 | 1  | 1  | 0  | 12 | 36 | 12 | 21 | 6  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hingoli            | 20.8 | 20  | 27  | 31 | 16 | 3  | 4  | 0  | 40 | 48 | 25 | 29 | 12 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Buldhana           | 1.2  | 0.8 | 3.2 | 15 | 17 | 9  | 1  | 0  | 10 | 30 | 10 | 15 | 7  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Akola              | 5.1  | 3.6 | 14  | 10 | 19 | 14 | 0  | 3  | 18 | 18 | 20 | 14 | 6  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Washim             | 11.2 | 11  | 9.7 | 31 | 2  | 4  | 0  | 0  | 15 | 20 | 15 | 20 | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Amravati           | 14.6 | 14  | 15  | 6  | 17 | 10 | 9  | 5  | 35 | 35 | 10 | 15 | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Yavatmal           | 42.5 | 24  | 9.8 | 17 | 5  | 1  | 1  | 1  | 30 | 20 | 20 | 14 | 7  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Wardha             | 39.9 | 31  | 2.9 | 1  | 18 | 10 | 4  | 2  | 25 | 20 | 15 | 10 | 8  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Nagpur             | 49.7 | 18  | 1.9 | 0  | 2  | 2  | 2  | 1  | 20 | 30 | 12 | 12 | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Chandrapur         | 161  | 8.3 | 6.6 | 9  | 2  | 1  | 0  | 0  | 30 | 10 | 14 | 10 | 5  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| <b>TELANGANA</b> |      |     |     |    |    |    |   |   |    |    |     |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Adilabad         | 55   | 16  | 13  | 12 | 9  | 0  | 8 | 1 | 26 | 15 | 0   | 15 | 20 | The weather was very humid which has led to incidence of sucking pests especially thrips and aphids. Control measures have been taken up as per the package of practice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Warangal         | 48.6 | 15  | 13  | 22 | 7  | 1  | 6 | 0 | 15 | 1  | 0   | 0  | 26 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Khammam          | 47.7 | 15  | 10  | 4  | 1  | 1  | 1 | 1 | 10 | 0  | 1.1 | 4  | 14 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Karimnagar       | 82.3 | 6.6 | 11  | 16 | 15 | 3  | 8 | 1 | 48 | 4  | 0   | 7  | 30 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Nalgonda         | 108  | 19  | 15  | 10 | 0  | 0  | 0 | 1 | 10 | 0  | 0   | 5  | 11 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mahabubnagar     | 58.7 | 22  | 19  | 33 | 1  | 3  | 1 | 5 | 2  | 1  | 1.5 | 3  | 22 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AP</b>        |      |     |     |    |    |    |   |   |    |    |     |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Guntur           | 98.7 | 3.2 | 10  | 4  | 1  | 10 | 0 | 0 | 5  | 0  | 2.1 | 14 | 20 | First split application of fertilizers / Inter cultural operations has been taken up. Intercultivation was done for the control of weeds and conservation of moisture/ draining of excess water. Cotton crop in majority of the area is at Square formation to Boll development stage (35-80 days). In most of the districts, incidence of Pink Bollworm was present in flowers and incidence of rosette flowers was observed. However, it has touched ETL in Ananthapur and Cuddapah Districts. Pheromone traps should be installed immediately at 4-5 traps per hectare for monitoring of incidence levels on community basis. Observation of rosette flowers and sampling of green bolls should be done regularly. Destroy rosette flowers and remove the dropped squares, dried flowers and pre-matured bolls to suppress pest population periodically at the initial stage. Prophylactic spray of 5% NSKE or neem oil at flowering stage to prevent egg laying. Need based use of insecticides at ETL (8 moths/trap/day or one larva per 10 flowers or 10 green bolls): Physiological leaf reddening was noticed in different Bt. cotton hybrids with varied degree of intensity due to fluctuation in the climate and other aberrant weather conditions. Top dressing of fertilisers as booster dose @ 25-35 kg Urea and 10-15 kg MOP/acre can be given. Foliar application of 1-2% Urea + 1% Magnesium Sulphate or 1-2% Potassium Nitrate (Multi K) + 1% Magnesium Sulphate or 1-2% DAP + 1% Magnesium Sulphate @ 5-7 days interval till the recovery of the plants depending upon the age of the crop. Among the sucking pests, only thrips was recorded above ETL in 1 location each of the four villages namely Ponnekallu, Peda parimi, Lemalle and Lingapuram on some Bt hybrids. |
| Prakasam         | 91.2 | 6.7 | 7.1 | 1  | 0  | 4  | 0 | 0 | 14 | 0  | 6.1 | 2  | 9  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>KARNATAKA</b> |      |     |     |    |    |    |   |   |    |    |     |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Dharwad          | 0.5  | 0.1 | 6   | 6  | 2  | 2  | 2 | 0 | 2  | 1  | 23  | 30 | 4  | The weather was dry in the cotton growing areas of Dharwad and Haveri districts during last week, with no rainfall in almost all cotton growing districts. Plant protection measures were undertaken for sucking pests and pink bollworm/Mirid bug incidence. Foliar sprays with                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Haveri           | 1.5  | 0   | 13  | 2  | 0  | 6  | 2 | 0 | 2  | 2  | 23  | 29 | 7  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|                  |      |     |     |   |   |   |   |   |   |   |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|------|-----|-----|---|---|---|---|---|---|---|---|---|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mysore           | 5.3  | 1.2 | 7.1 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 8 | 6 | 7 | Planofix and 19:19:19 water soluble fertilizers was undertaken. Pink bollworm incidence was noticed on early sown Bt cotton crop in Haveri and Belagaum districts. It is suggested for mass trapping of PBW moths by erecting suitable pheromone traps in Bt cotton fields. Alternaria blight incidence was seen in cotton growing villages of Dharwad and Belagaum districts. Special monitoring and precautionary measures are suggested to manage pink boll worm incidence in Bt cotton in parts of Haveri, Dharwad and Belgaum districts. Regular team visits of cotton scientists are being arranged for the survey and timely on the spot field suggestions for the immediate action to manage the pests. Among the twelve villages surveyed, leaf hopper, thrips and Pink boll worm were observed above ETL in 1 location each of Gudageri and Kadakol. In Raichur, thrips (5-6 locations) and Pink boll worm (5-8 locations) were above ETL in all the three villages surveyed namely, Somasamudra, Kollur and Kolagal. Recommended remedial measures may be initiated to control pink bollworm and alternaria blight based on ETL. |
| <b>TAMILNADU</b> |      |     |     |   |   |   |   |   |   |   |   |   |   | Dry spell prevailed during last week in majority cotton growing areas. Weeding operations may be initiated. Aphid occurrence is observed continuously. Drenching with copper oxychloride 1g/ litre of water is advised if Collar rot occurrence was observed. Pink boll worm infestation was above ETL in all the locations surveyed in 3 villages with a range of 14-42% on bolls. Set up pheromone traps for monitoring of pink bollworms at 5 traps per hectare and as trap catches reach between 5-6 moths/trap/night set up pheromone traps for mass trapping @ 20 traps per acre.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Perambalur       | 6    | 0   | 0   | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Salem            | 5.6  | 3.6 | 0.2 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 0 | 0 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Trichy           | 2.2  | 0   | 0   | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Virdhunagar      | 10.1 | 0   | 0   | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



0 mm rainfall in the blank spaces

Source: [http://nwp.imd.gov.in/bias/dist\\_fcst.htm](http://nwp.imd.gov.in/bias/dist_fcst.htm)

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