

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 9th to 20th November 2016

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

WEATHER ADVISORY

DATE	ACTUAL RAINFALL in mm IMD													PREDICTED IMD	ADVISORY
	3to9	9	10	11	12	13	14	15	16	17	18	19	20		
NOVEMBER															
ORISSA															The crop is in boll maturity and harvesting stage. Picking should be done on sunny days after 10 a.m. using cotton bags. Dry the seed cotton for 2-3 days on concrete floor or tarpaulin sheets. Seed cotton obtained from the first picking should be kept separately. In Bhawanipatna, no serious infestation of pests was recorded in any of the villages surveyed.
Koraput	0.8	0	0	0	0	0	0	0	0	0	0	0	0		
Kalahandi	0	0	0	0	0	0	0	0	0	0	0	0	0		
Balangir	0	0	0	0	0	0	0	0	0	0	0	0	0		
GUJARAT															At Surat, the crop is at boll maturity stage. Leafhoppers was observed above ETL in some locations. Bacterial leaf blight incidence was also noticed in few areas. At Junagadh, the crop is in boll bursting stage. Jassids and white fly incidence noticed above ETL in some locations. Control measures for sucking pests at this stage of the crop may not be economically viable. Para wilt and reddening were also observed. Recommended measures may be initiated. Farmers are advised to install pheromone trap @ 5-6 /ha to monitor pink boll worm and at ETL of 8 moths per trap per night for three consecutive nights control measures must be initiated. Survey conducted in 8 villages of Surat, indicated only leafhopper crossed ETL in 2 locations in each of Chandiya, Chasvad , Pithor, Daheli villages and in Junagadh among the three villages surveyed, no serious infestation of pests was recorded.
Amreli	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bhavnagar	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jamnagar	0	0	0	0	0	0	0	0	0	0	0	0	0		
Rajkot	0	0	0	0	0	0	0	0	0	0	0	0	0		
Broach	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sabarkantha	0	0	0	0	0	0	0	0	0	0	0	0	0		
Surendranagar	0	0	0	0	0	0	0	0	0	0	0	0	0		
Ahmedabad	0	0	0	0	0	0	0	0	0	0	0	0	0		
Baroda	0	0	0	0	0	0	0	0	0	0	0	0	0		
Patan	0	0	0	0	0	0	0	0	0	0	0	0	0		
Mahesana	0	0	0	0	0	0	0	0	0	0	0	0	0		
															PINK BOLLWORM MONITORING AND CONTROL: Monitor for pink bollworm moths once every three days. If the number of moths exceeds 12 per trap after 3 days in at least 2 traps per field, either install 30 traps per acre for mass trapping AND/OR release egg parasitoid Trichogramma bactriae which can be obtained from ICAR-NBAIR, Bangalore to be released at the early stages of infestation. About 20 green bolls from 20 random plants may be dissected once a week from mid-October to mid-December. At economic threshold level of 10-15% loculi damage with live pink bollworm larvae, and/or If the number of moths exceeds 24 per trap after 3 days in at least 2 traps per field, either install 30 traps per acre for mass trapping AND/OR take up one spray of any synthetic pyrethroid. Insecticide sprays in December may be taken up only in fields having at-least 8-10 green bolls per plant, generally in irrigated cotton. Insecticide spray must be done to protect green bolls only after picking the fully open bolls. Synthetic pyrethroid sprays should be restricted to one or two sprays, so as to avoid pest resurgence of whiteflies and American bollworms.

MP															Crop is at Boll bursting stage in early sown crop. Picking has started in few fields. Incidence of sucking pests was noticed in late sown crop.
Khargaon	0	0	0	0	0	0	0	0	0	0	0	0	0		
Dhar	0	0	0	0	0	0	0	0	0	0	0	0	0		
Khandwa	0	0	0	0	0	0	0	0	0	0	0	0	0		
MAHARASHTRA														At Rahuri, the crop has entered boll development stage. Incidence of aphids and jassids was noticed but brought under control through recommended measures. <i>Alternaria</i> leaf spot and Bacterial blight incidence was noticed. In Nanded, leafhopper was above ETL in 1 location each of Pimpalgaon, Vartala and Tuppa villages. Mealy bug in 1 location of Keroda and Tuppa villages, pink Boll worm (5 locations), American boll worm (1 location), <i>S. litura</i> (2 locations) and Spotted boll worm (2-3 locations) were recorded above ETL in all the 5 villages surveyed. In Akola among the 3 villages surveyed leafhopper was above ETL in 1 location of Kadoshi Village. Recommended measures for bollworms must be taken up.	
Dhule	0	0	0	0	0	0	0	0	0	0	0	0	0		
Nandurbar	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jalgaon	0	0	0	0	0	0	0	0	0	0	0	0	0		
Ahmednagar	0	0	0	0	0	0	0	0	0	0	0	0	0		
Aurangabad	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jalna	0	0	0	0	0	0	0	0	0	0	0	0	0		
Beed	0	0	0	0	0	0	0	0	0	0	0	0	0		
Nanded	0	0	0	0	0	0	0	0	0	0	0	0	0		
Parbhani	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hingoli	0	0	0	0	0	0	0	0	0	0	0	0	0		
Buldhana	0	0	0	0	0	0	0	0	0	0	0	0	0		
Akola	0	0	0	0	0	0	0	0	0	0	0	0	0		
Washim	0	0	0	0	0	0	0	0	0	0	0	0	0		
Amravati	0	0	0	0	0	0	0	0	0	0	0	0	0		
Yavatmal	0	0	0	0	0	0	0	0	0	0	0	0	0		
Wardha	0	0	0	0	0	0	0	0	0	0	0	0	0		
Nagpur	0	0	0	0	0	0	0	0	0	0	0	0	0		
Chandrapur	0	0	0	0	0	0	0	0	0	0	0	0	0		

TELANGANA													
Adilabad	0	0	0	0	0	0	0	0	0	0	0	0	<p>Pink boll worm infestation was above ETL in few villages. PINK BOLLWORM PHEROMONE TRAPS MAY BE INSTALLED IMMEDIATELY @ 4-5 TRAPS PER HECTARE FOR MONITORING. Management strategies must be implemented at ETL. PINK BOLLWORM MONITORING AND CONTROL: Monitor for pink bollworm moths once every three days. If the number of moths exceeds 12 per trap after 3 days in at least 2 traps per field, either install 30 traps per acre for mass trapping AND/OR release egg parasitoid Trichogramma bactriae which can be obtained from ICAR-NBAIR, Bangalore to be released at the early stages of infestation. About 20 green bolls from 20 random plants may be dissected once a week until December. At economic threshold level of 10-15% loculi damage with live pink bollworm larvae, and/or If the number of moths exceeds 24 per trap after 3 days in at least 2 traps per field, either install 30 traps per acre for mass trapping AND/OR take up one spray of chlorpyrifos or quinalphos during November and any synthetic pyrethroid in December. Insecticide sprays in December may be taken up only in fields having at least 8-10 green bolls per plant, generally in irrigated cotton. Insecticide spray must be done to protect green bolls only after picking the fully open bolls. Synthetic pyrethroid sprays should be restricted to one or two sprays, so as to avoid pest resurgence of whiteflies and American bollworms.</p>
Warangal	0	0	0	0	0	0	0	0	10	5	0	0	
Khammam	0	0	0	0	0	0	0	0	15	6	0	0	
Karimnagar	0	0	0	0	0	0	0	0	6	3	0	0	
Nalgonda	0	0	0	0	0	0	0	0	10	5	8	0	
Mahabubnagar	0	0	0	0	0	0	0	0	8	5	6	0	
AP													
Guntur	0.5	0	0	0	0	0	0	0	10	4	8	0	<p>The crop has entered boll development and bursting stage. Incidence of jassids and whitefly were noticed for which appropriate control measures were taken. In most of the districts, the incidence of Pink Bollworm was present but below ETL. Pheromone traps should be installed immediately at field level for monitoring of the incidence levels on community basis. In Nandyal, 2 villages were surveyed respectively wherein there was no serious pest infestation. In Guntur 10 villages were surveyed for pest infestation in which whitefly was above ETL in 1 location. In each of 8 villages namely Nidumukkala, Ponnekallu, Peda parimi, Siripuram, Lemalle, Lingapuram, Prattipadu, Timmapuram, leafhopper was above ETL in 1-2 locations of all the villages surveyed. Thrips was recorded above ETL in 1 location in each of 8 villages and pinkbollworm was above ETL in 2 locations in each of Medikonduru and Siripuram villages.</p>
Prakasam	0	0	0	0	0	0	0	0	6	2	3	0	
KARNATAKA													
Dharwad	0	0	0	0	0	0	0	0	7	0	0	0	<p>The crop is in boll opening stage. First picking completed in most of the areas. It was dry spell and no rainfall in cotton growing areas of Dharwad and Haveri districts during last week. Dry weather and increased soil moisture stress resulted in forced maturity and opening of bolls. Aphids and Thrips were reported in late sown crop in some areas. It is suggested to sell the kapas picking wise separately to get higher market price. Avoid kapas picking during early morning hours. The kapas is to be dried under sunlight before it is filled in the cloth bags to be sent for market yard. Areas where irrigation facilities are available, It is suggested not to irrigate and fertilise this crop to get ratoon crop (Continued second crop), as it helps in increasing the incidence of pests and diseases during forthcoming season. In Raichur, 6 villages were surveyed respectively wherein there was no serious pest infestation.</p>
Haveri	0	0	0	0	0	0	10	10	5	0	0	0	
Mysore	0	0	0	0	0	0	0	0	6	5	0	0	

TAMILNADU													
Perambalur	22.8	0	0	0	0	0	0	0	0	1	1	0	0
Salem	0.6	0	0	0	0	0	0	0	0	1	1	0	0
Trichy	1.3	0	0	0	0	0	0	0	0	1	1	0	0
Virudhunagar	27.3	0	0	0	0	0	0	0	3	13	4	4	3

The crop has entered peak flowering and boll development stage. For late sown crop, earthing up and top dressing with Nitrogen and Potassium are recommended. To manage broad leaved weeds in the late sown crop, post emergence application of Pyriithiobac sodium (10%) SC @ 62.5 g/ ha and to manage grass weeds, application of Quizlofop – O ethyl (5%) @ 50 g/ha are recommended. Sucking pest and boll worm incidence was observed. Farmers are advised to spray as per the appended cotton advisory. No incidence of diseases. In Tamil Nadu at Srivilliputhur, 3 villages were surveyed wherein leafhopper was above ETL in 1-2 locations of Thummakundu, Muthulingapuram villages and 1-2 locations of Thummakundu, Muthulingapuram and Peraiyur villages.



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

ICAR-CICR ADVISORY TEAM:

Dr K. R. Kranthi, Dr A. H. Prakash, Dr Sandhya Kranthi, Dr D. Monga, Dr D. Blaise, Dr Sumanbala Singh, Dr Singandhupe, Dr M. V. Venugopalan, Dr A. Isabella, Dr M. Sabesh, Dr Vishlesh Nagrare, Dr Rishi Kumar, Dr Anuradha Narala, Dr Deepak Nagrale, Mrs Sangeeta Aurangabadkar & Ms Sachita Yelekar

State Agricultural University Team:

Dr (Ms) Suneet Pandher, Dr. Sanjeev Kumar Kataria, Dr. Rishikumar, Dr. Roop Singh Meena, Dr.B.S.Nayak, Dr. Prashant Sandipan, Dr A. N Paslawar, Arvind, Dr. Pandagale Dr. Satish Parsai, Dr.V.Chenga Reddy, Dr. Aladakatti, Dr. M.Y.Ajaykumar, Dr. Subbalakshmi Lokanadhan, Dr.M.Gunasekaran