

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 1st to 6th 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	
	OCTOBER							NOVEMBER							
	20-26	26	27	28	29	30	31	1	2	3	4	5	6		
PUNJAB															Cotton picking is in full swing in all the three states of Punjab, Harayana and Rajasthan. Leafhopper, whitefly and thrips population was very negligible. Farmers are advised to follow the clean picking procedures. Farmers are advised to take utmost care in picking as the lint stainers are in abundance under field condition.
Bathinda	0	0	0	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		
HARYANA														The crop is in boll development and maturity stage. Incidence of sucking pests and leaf folder noticed but below ETL. Incidence of Bacterial leaf blight and Grey mildew was noticed in some parts of the State. In Bhawanipatna 3 villages were surveyed in which only leafhopper was above ETL in 4-5 locations of all the villages namely Damudarpur, Karlakot and Sahajet. At this stage of the crop of boll maturity, leaf hoppers do not cause damage to yields and may be ignored.	
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		
RAJASTHAN															
Hanumangarh	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sri Ganganagar	0	0	0	0	0	0	0	0	0	0	0	0	0		
Banswara	0	0	0	0	0	0	0	0	0	0	0	0	0		
ORISSA														At Surat, the crop is at flowering and boll development stage. Weeding has been taken up. Leaf hopper populations are above ETL in some locations. Among the eight villages surveyed for pest infestation, only leafhopper crossed ETL in 2 locations in each of Karmad, Umra ,Bojadara ,Umarpada ,Dediyapada and Chasvad villages. Incidence of of Bacterial leaf blight was noticed in	
Koraput	0	0	0	0	0	0	0	0	0	2	0	1	15		
Kalahandi	0	0	0	0	0	0	0	0	0	0	0	2	21		
Balangir	0	0	0	0	0	0	0	0	1	0	0	0	25		
GUJARAT															
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	some fields. Pink bollworm was above ETL in 1 location in each of Karmad, Umra and Dediypada villages. In Junagadh among the two villages surveyed only leafhopper was above ETL in 1 location in each of Jalansar and Jamnavad villages. Farmers have resorted to insecticide sprays as pre-emptive measure against pink bollworm. It is advisable to use pheromone traps of pink bollworms and resort to control measures at ETLs of eight moths per trap per night for three consecutive nights. Indiscriminate usage of insecticide will have undesirable effects and will result in insect resurgence.
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	
MP														Crop is at Boll formation and bursting stage in early sown crop. Picking has started in few fields. Incidence of sucking pests was noticed in late sown crop. Leaf spot and <i>anthracnose</i> disease were seen in some areas.
Khargaoon	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														The crop has entered boll bursting stage in early sown crop. Bollworm and whitefly attack was seen in Bt cotton for which remedial control measures have been recommended. Alternaria spots were noticed in Bt and non Bt fields. Reddening in Bt cotton was noticed at maturity stage in some Bt-hybrids. In Akola, and Rahuri three villages were surveyed, in which only leafhopper was above ETL in 1 location in each of Kosgaon (Akola), Sade and Gotumbe Akhada(Rahuri) villages. In Nanded, among the five villages (Pimpalgaon, Phulwal, Keroda, Vartala and Tuppa) surveyed, whitefly (1-2 locations), leafhopper(1-2 locations), Mealy bug (1-2 locations), pink Boll worm (2-4 locations), American boll worm (2-3 locations), S. litura (2-3 locations) and Spotted boll worm (2-4 locations) were recorded above ETL. Appropriate control measures as recommended in the cotton health advisory of this web-page may be taken up. It is advisable to use pheromone traps of pink bollworms and resort to control measures at ETLs of eight moths per trap per night for three consecutive nights.
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	0	Pink boll worm infestation was above ETL in a few villages. Reports from Adilabad indicate high levels of pink bollworm infestation in some areas. PINK BOLLWORM PHEROMONE TRAPS MAY BE INSTALLED IMMEDIATELY @ 4-5 TRAPS PER HECTARE FOR MONITORING.
Nagpur	0	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	0	
TELANGANA															
Adilabad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Warangal	0	0	0	0	0	10	3	3	0	0	0	0	0	0	
Khammam	0	0	0	0	0	2	2	2	7	1	0	0	0	0	
Karimnagar	0	0	0	0	0	0	1	1	0	0	0	0	0	0	
Nalgonda	0	0	0	0	0	3	2	2	3	0	0	0	0	0	
Mahabubnagar	0	0	0	0	0	0	0	0	4	0	0	0	0	0	
AP															
Guntur	0	0	0	0	0	0	1	1	8	3	4	3	0	0	
Prakasam	0	0	0	0	0	0	4	4	5	0	3	0	0	0	
															The crop has entered boll formation stage. In most of the districts, the incidence of Pink Bollworm was noticed in flowers and incidence of rosette flowers, but below ETL. Pheromone traps should be installed immediately at field level for monitoring of the 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. Bacterial leaf blight and foliar fungal leaf spot diseases may occur due to the prevailing weather conditions. Recommended prophylactic measures should be taken up. In Guntur, ten villages were surveyed in which leaf hopper was above ETL in 1 location of all the 10 villages (Nidumukkala, Ponnekallu, Peda parimi, Medikonduru, Siripuram, Lemalle, Lingapuram, Prattipadu, Yadlapadu, Timmapuram) and thrips was above ETL in 1 location in Sripuram village.

KARNATAKA													
Dharwad	0	0	0	0	0	0	0	0	5	4	4	0	0
Haveri	0	0	0	0	0	0	0	0	15	2	0	0	0
Mysore	0	0	0	0	0	0	15	15	1	5	0	3	0
TAMILNADU													
Perambalur	7.8	0	0	0	0	26	18	18	0	0	0	0	0
Salem	6.7	0	0	0	0	2	0	0	0	0	0	0	0
Trichy	31.8	0	0	0	0	13	11	11	0	5	0	0	0
Virdhunagar	12.4	0	1	0	0	0	1	1	0	22	5	5	5

The crop is in boll development and in some places boll opening stage. No rainfall was recorded in cotton growing areas of Dharwad and Haveri districts during last week. Higher temperature and increasing soil moisture stress resulted in early senescence of the crop and boll opening in majority cotton growing districts. Plant protection measures were undertaken for Mirid, Midge and pink bollworm in cotton growing areas. Foliar nutrition with Planofix and MgSO4 was given. Mirid, Midge and Pink bollworm incidence was noticed in Haveri, Dharwad and Belgaum districts. Mass trapping of PBW moths by erecting suitable pheromone traps in Bt cotton fields was advised. First picked kapas is to be kept separately or sold separately for getting higher market price. Farmers are advised not to pick the cotton early in the morning as there will be moisture which will affect the quality of the cotton and also for kapas picking after 10 am. In Dharwad, 10 villages were surveyed in which leafhopper was above ETL in 1-2 locations of Agadi, Kengapur and Kyalakonda villages, thrips was above ETL in 1 location of Kyalakonda village and pinkbollworm was above ETL in 1-3 locations of Agadi, Kengapur, Kyalakonda, Varadahalli and Guttal villages. Flower bud maggots were recorded as above ETL in 1-2 locations of Agadi, Kengapur and Pale villages and mirid bug was above ETL in 1 location each of Haveri and Shiggoan villages.

The crop has entered boll development stage. Sown crop is in 72-79 days old Intercultural operation with Junior hoe and earthing up is recommended. Post emergence application of Pyrethriobac sodium (10%) SC @ 62.5 g/ ha is recommended for the management of broad leaved weeds and Quizlofop – O ethyl (5%) @ 50 g/ha for the management of grassy weeds. No incidence of diseases.

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

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

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