

ICAR-Central Institute for Cotton Research

Weekly Advisory for Cotton Cultivation from 7th to 18th September 2016

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

WEATHER ADVISORY

Date	1to 7Sep- 2016	Actula Rainfall							IMD rainfall forecast					ADVISORY
		September-16							September-16					
		7	8	9	10	11	12	13	14	15	16	17	18	
PUNJAB														
Bathinda	0	0	0	0	0	0	0	0	0	0	0	0	0	Sucking pest was under far below ETL except in few pockets, one location each at Behlewal and DhaabSher Singh villages on Bt hybrids in Faridkot. An Mukhsar, among 31 villages surveyed, only ten locations in five villages namely Goniana (5locations),Dabwalidhab (1location), Sham khera (2 locations),Lalbai (1location)andKotbhai(1location) whitefly crossed ETL. At Bathinda, a total number of 17 villages surveyed,only whitefly was recorded above ETL in 4 locations on Bt hybrids.
Ferozpur	9.8	0	0	0	0	0	0	0	0	0	0	0	0	
Muksar	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mansa	0	0	0	0	0	0	0	0	0	0	0	0	0	
HARYANA														
Sirsa	0	0	0	0	0	0	0	0	0	0	0	0	0	Thirty farmer's fields of cotton were surveyed in Hisar, Sirsa and Fatehabad districts of hararyana and Whitefly was below ETL. Leafhopper population ranged between 0-1 /3leaves and thrips population ranged between 0-3/3leaves under unprotected conditions. Incidence of spotted bollworm and H. armigera has been noticed on Desi cotton and non Bt hirsutum genotypes at few locations. In some parts of Haryana, CLCuD from traces to 3 grade severities was observed.
Hisar	0.3	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	4.7	0	0	0	0	0	0	0	0	0	0	0	0	In rainfed tracts of Rajasthan (Banswara), only leafhopper was above ETL in 2 locations each of Danakshri, Kushalgarh and Paagri villages.
Sri Ganganagar	11.2	0	0	0	0	0	0	0	0	0	0	0	0	
Banswara	34.6	0	0.2	0	0	0	0	0	0	0	0	0	0	
ORISSA														
Koraput	150	0	0.5	0.9	8	11	26	7.7	23	20	19	31	9.1	Severe dropping of squares and flowers was noticed due to cloudy weather. To prevent square and flower drop, farmers are advised to spray Planofix @ 7 ml/ 15 litre of water. Fields are to be kept weed free to control buildup of aphids, jassids, semilooper and grass hoppers
Kalahandi	131	4.2	4.7	7.6	110	0	27	31	21	20	18	14	12	
Balangir	147	0	23	3.9	7.2	6.1	16	3.8	20	23	16	14	19	
GUJARAT														
Amreli	2.7	1.7	0	1.7	5.4	0	0	0	0	4	6	12	44	Intermittent rains received in surat and surrounding areas and affecting the spraying schedule. Among the nine villages surveyed in Surat,leafhopper and thrips were below
Bhavnagar	28.2	15	4.9	0.2	0.2	1.1	0	0	0	5	8	12	54	

Jamnagar	2.3	0	0	0	0	0	0	0	0	4	7	10	7.6	ETL,mealybug was recorded in Grade II in one location of Pipaliya village, and pinkbollworm infestation was above ETL on flowers in 1,2&3 locations of Limbaj,Samlod and Bamdusar villages respectively on BG IIBt hybrids. In Saurashtra region of Gujarat, the crop is in peak flowering. Of the 15 villages surveyed, the Whitefly was below ETL, While Jassid (5 to 7 / 3 leaves/plant) and Thrips was observed above (8 to 10 / 3 leaves/plant). Mealy bugs observed below ETL (0 to 1 Grade /plant). Incidence of Pink bollworm was observed 2 larvae/ 20 Flowers in Bt hybrids. There was scattered incidence of bacterial leaf blight and Alternaria leaf spot.		
Rajkot	4.3	0	0	0	0	0	0	0	0	5	7	10	16			
Bharuch	9	0.7	5.9	3.5	0	0	0	0.2	0	8	10	12	67			
Sabarkantha	19.9	0	0	0	0	0	0	0	0	0	5	5	0			
Surendranagar	16.2	4.2	0	0	0	0	0	0	0	3	5	8	46			
Ahmedabad	22	1.8	0	0	0	0	0	0	0	4	7	8	0			
Baroda	19.3	4.3	0	0	0	0	0	0	0	6	7	8	12			
Patan	8.4	0	0	0	0	0	0	0	0	0	6	10	0.7			
Mehasana	12.9	0	0	0	0	0	0	0	0	0	6	10	0.9			
MP																
Khargone	41.8	0	0	0	0	0	0	0	0	6	10	18	15	1.6	Continuous rains has led to stunted growth and weed infestation. Efforts to drain excess water and interculture operation is to be taken up on priority basis. Sucking pest notably-jassids and whiteflies was observed in almost all the areas. Farmers are advised to initiate control measures as per manual wherever sucking pests cross ETL. No incidence of diseases	
Dhar	19.9	0	0	0	0	0	0	0	0	7	11	17	11	12		
Khandwa	12.7	0	0	0	0	0	0	0	0	6	10	18	15	11		
MAHARASHTRA																
Dhule	0.2	0	0	0	0	0	0	0	0	2	4	10	9	0	Of the five villages surveyed in Nanded district, whitefly,leafhopper, thrips and pinkbollworm were recorded above ETL in 3 to 4 locations on BG IIBt hybrids. Mealy bug infestation was recorded as above ETL in 1 location of the village Dhanegaon. In the rainfed tracts of Akola and Nagpur the rains have receded and all moisture conservation practices are to be followed. The Thrips have crossed ETL in most of the cotton growing regions. Thrips along with high temperatures has induced square shedding. Protective irrigation is recommended if available to protect from moisture stress.	
Nandurbar	12	0.7	5.8	6.7	0.8	0.7	0.6	0	0	2	1	7	6	4.2		
Jalgaon	28.8	1.5	0.2	1.1	0	0	0	0	0	7	5	30	29	0		
Ahmednagar	0.7	0	0.8	1	0.4	0	0.1	0.1	0	5	5	13	40	0		
Aurangabad	24.9	0.2	0	1.1	0	3	0.1	0	0	2	3	13	25	0		
Jalna	59.3	0	0	2.3	0	0	0	0	0	2	0	13	40	0		
Beed	19.6	0	0	0	0	0.4	0.3	0.4	0	4	3	15	48	0		
Nanded	21.6	0	0	1.3	0	0.3	0	0	0	9.2	4	3	5	20		0
Parbhani	22.6	0	0	0.6	0	0	0	0.9	0	3	1	10	30	0		
Hingoli	28.3	0	0	0	0	0	0	1	0	4	2	10	20	1.4		
Buldhana	31.7	0.5	0.2	0	0	0.2	0	0	0	5	4	28	40	17		
Akola	14.7	0.4	0	0.4	0	0	0	1.1	0	7	11	38	45	5.1		
Washim	27.5	0	0	0	0	0	0	0	0	8	10	23	35	15		
Amravati	27	0	0	0	0	0	0	0.3	0	13	29	38	45	21		
Yavatmal	13.5	0	0	0.1	0	2.5	2.6	14	8	16	17	25	12			
Wardha	28.5	0	0.5	0	0	1.4	2.4	5.2	11	27	20	28	7.4			
Nagpur	9.7	0	0	0	0	6.4	3.9	21	8	25	11	18	9.3			
Chandrapur	13.6	0	0	0	0.2	72	22	58	19	15	11	11	3.6			

TELANGANA														
Adilabad	18	0	0	0.3	1	3	5.8	19	33	32	23	18	1.3	Dry and humid condition has led to buildup of thrips and Aphids. Foliar spray of Planofix can be taken as prophylactic measure to avoid square and boll shedding.
Warangal	36.6	0	0	0	11	16	3.2	3.2	6.1	3.3	0	0	0	
Khammam	68	0	0	0.1	5.9	21	0.6	4.8	21	11	0	0	0	
Karimnagar	22.3	0	0	0.6	0.9	33	7.9	15	5.8	23	14	1.4	3.2	
Nalgonda	24.4	0	0	0	2	11	12	56	15	1.7	0	0	0	
Mahabubnagar	7.6	0	0	0	0	12	11	19	6.2	9.1	0	0	0	
AP														
Guntur	10.4	0	0	0	7.1	18	18	52	28	9.9	0	0	0	Drought like situation was prevalent earlier in most part of Andhra Pradesh. Recent rains came as relief. Incidence of Jassids and thrips was observed and thrips incidence was above ETL. Incidence of pink bollworm and rosette flowers were observed and crossed ETL in Ananthapur and Cuddapah Districts. Pheromone traps should be installed immediately at field level 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 should be taken up. Need based use of insecticides at ETL (8 moths/trap/day or larva 10 flowers or 10 green bolls): Spraying of persistent insecticides at 15 days interval is advised. 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 besides prevailing drought condition. Suggested Remedial Measures for leaf reddening: Application of fertilizers in the form of N and K as 1st top dressing to mitigate the crop from nutritional stress soon after the receipt of the sufficient rainfall/soil moisture. 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. At Guntur, among the 10 villages surveyed, in 1-2 locations of all the villages, thrips was above ETL. Survey conducted at Nandyal indicated that leafhopper (1&2 locations) and thrips (1location each) were above ETL at Gunthanala and Yerraguntla villages.
Prakasam	7	0.1	0.1	0.3	0	5.2	9.6	69	5.6	8.8	0	0	0	

KARNATAKA														
Dharwad	3.9	0.5	0.4	0	0	0	0	2.7	6	5	13	18	1.2	The crop has entered peak flowering to boll formation stage in majority cotton growing areas. Pink bollworm incidence was noticed in early sown Bt cotton crop at Haveri and Belgaum districts. It is suggested for mass trapping of PBW moths by erecting suitable pheromone traps in Bt cotton fields. Advised for spraying of recommended pesticides in 2 ml/lit of water alternatively for managing the pink bollworm incidence. Alternaria blight incidence was seen in cotton growing villages of Dharwad and Belgaum districts. Survey conducted in 9 villages of Dharwad revealed that thrips was above ETL in 2-3 locations in all the 9 villages and leafhopper was above ETL in 3 locations each of Hanumaratti and Khanagavi villages on First class, MRC-6918, Everest and Krishidhan Bt hybrids.
Haveri	2.7	0.3	0	0	0	0	0	2	6	10	18	22	1.5	
Mysore	1.9	1.7	0	0	0	3.7	0.7	0.4	6	9	25	28	0	
TAMILNADU														
Perambalur	47.3	1.5	0	0	1	5	0	0	1	1	0.5	0	0	The crop is in vegetative stage. Dry spell prevailed during last week in majority of cotton growing areas. Thinning is advised in 15-20 days old crop. Weeding and Irrigation is recommended. Hand weeding suggested for 25 - 35 days old crop to maintain weed free condition. Incidence of aphids noticed. Drenching with copper oxychloride 1g/ litre of water is advised if Collar rot occurrence is observed.
Salem	12.6	5.2	0	0	0	2	0	0	0.5	0.5	0	0	0	
Trichy	16.1	0	0	0	1.5	0.1	0	0.5	0	0.5	0	0	0	
Virdhunagar	8.9	0	0	0	0	10	0	0	0	3	8	0	0	



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

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