

## ICAR-Central Institute for Cotton Research, Nagpur

Weekly Advisory for Cotton Cultivation from 27<sup>th</sup> October to 4<sup>th</sup> November'2018

### WEATHER ADVISORY

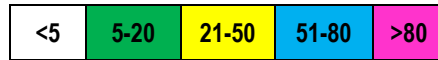
			ACTUAL RAINFALL In mm					PREDICTED		Advisory
			IMD					IMD		
OCTOBER/ NOVEMBER										
Date	27	28	29	30	31	01	02	03	04	
<b>PUNJAB</b>										
Ferozpur					0.0	0.0	0.0	0.0	0.0	Picking is going on in almost all the cotton zone areas of North Zone. <b>Advisory:</b> Abandoned fields of cotton support mealybugs. Care must be taken while uprooting and destroying the cotton stalks especially from abandoned fields. Farmers are advised not to stack the cotton stalks along the field bunds. Immediately after picking, allow sheep or goat to graze in the field for 1-2 hours to reduce the carryover of pink bollworm in the next season in non Bt fields. Ginners are advised to install Pink bollworm pheromone traps to attract and kill the male moths. Cotton should be picked clean and dried to get a good price in market. Picking should be done after every 8 to 10 days to avoid loss. Do not irrigate the field after one-third opening of the bolls in the field. Avoid picking of rotten bolls. Dry the kapas before storage to avoid microbial damage.
Faridkot					0.0	0.0	0.0	0.0	0.0	
Mukatsar					0.0	0.0	0.0	0.0	0.0	
Bhatinda					0.0	0.0	0.0	0.0	0.0	
Sangrur					0.0	0.0	0.0	0.0	0.0	
Ludhiana					0.0	0.0	0.0	0.0	0.0	
<b>HARYANA</b>										
Hisar					0.0	0.0	0.0	0.0	0.0	
Jind					0.0	0.0	0.0	0.0	0.0	
Sirsa					0.0	0.0	0.0	0.0	0.0	
Rohtak					0.0	0.0	0.0	0.0	0.0	
<b>RAJASTHAN</b>										
Ajmer					0.0	0.0	0.0	0.0	0.0	
Jodhpur					0.0	0.0	0.0	0.0	0.0	
Nagaur					0.0	0.0	0.0	0.0	0.0	
Pali					0.0	0.0	0.0	0.0	0.0	
Sri Ganganagar					0.0	0.0	0.0	0.0	0.0	
<b>ORISSA</b>										
Koraput							3.0	6.0		The crop is 120 to 130 days at boll development and boll bursting stage. Plant protection measures by application of pesticides and fungicides in Kalahandi, Bolangir, Rayagada and Nuapada districts were taken up by spraying 2% DAP/ 2 % water soluble fertilizer 19:19:19 for better boll development.. Monitoring of pink bollworm by installation of pheromone traps was done. Jassid population was above ETL in some pockets of Kalahandi, Nuapada and Rayagada but under control. Thrips population is below ETL (6.0-10.0/3leaves). Spotted and American bollworms reported in Non-Bt cotton in Nuapada and Kalahandi districts. Angular leaf spot and Grey Mildew were reported in Kalahandi, Nuapada, Bolangir and Rayagada districts. Farmers were advised to control sucking pest infestation by spraying Flonicamid 50 WG @ 0.4g/litre of water or Thiamethoxam @ 0.2 g/lit of water and installation of yellow sticky trap. For better boll development spray 2% DAP or 2 % water soluble fertilizer 19:19:19 at weekly interval is advised. To control angular leaf spot, spray 25g Copper Oxychloride and 1 g
Kalahandi					0.0	0.0	0.0	0.0	0.0	
Balangir					0.0	0.0	0.0	0.0	0.0	

									Streptocycline mixing with 10 litres of water. For controlling American bollworms spray Flubendiamide @ 125 g/ha. <b>Advisory:</b> If sucking pest infestation goes above ETL, farmers are advised to spray Flonicamid 50 WG @ 0.4g/litre of water or Thiamethoxam @ 0.2 g/lit of water. Sucking pests population can be reduced by installation of yellow sticky traps @ 20 /ha. If 20% plants having one or more ‘flared up square’ by Spotted and/or American bollworms, spray Flubendiamide 39.35% SC 3ml <b>Or</b> Indoxacarb 14.5 SC 5ml <b>Or</b> Spinosad 45% SC 2.5ml per 10 L water. . To control angular leaf spot and Grey Mildew, spray 25g Copper Oxychloride and 1 g Streptocycline mixing with 10 litres of water. For better boll development, spray 2% DAP or 2 % water soluble fertilizer 19:19:19 at weekly intervals. Install pheromone traps @ 5 numbers /ha to monitor the incidence of bollworms and Spodoptera. Picking of fully open bolls may be done on sunny days. Dry the harvested seed cotton properly under sun for 2-3 days before packing.
<b>GUJARAT</b>									
Amreli				0.0	0.0	0.0	0.0	0.0	At Junagadh, the crop is 115 days old at flowering and boll development stage. One hand weeding and interculturing/ Spray of Quizalofop ethyl 40 g /ha in 500 liter of water was given. Sucking pests incidence were controlled using <i>Beauveria bassiana</i> 60-80 g in 10 liter of water.
Bhavnagar				0.0	0.0	0.0	0.0	0.0	At Surat, the crop is in boll development stage. Irrigation was given during the reporting week. Jassid was above ETL. Infection of BLB was seen, but the intensity was low-medium.
Jamnagar				0.0	0.0	0.0	0.0	0.0	<b>Advisory:</b> Pluck at random 20 green bolls from a field and dissect for presence of live pink bollworm larvae. If at least one boll having live pink bollworm larvae <b>and/or</b> average 8 male moths per pheromone trap (average of 2 pheromone traps) observed then apply one or two sprays of Fenvelerate 20% EC 10 ml or Cypermethrin 10% EC 10 ml or lambda-Cyhalothrin 5 %EC 10ml per 10 lit water. Spraying should be done only after picking of opened bolls and after picking plant must have minimum 6-8 green bolls.
Rajkot				0.0	0.0	0.0	0.0	0.0	To control sucking pests, spray Imidacloprid 17.8 SL 4ml in 10 litres of water. Spray Thiamethoxam 25 WG or Flonicamid 50 WG @ 4 g/10 lit. water at ETL for sucking pests control. To manage Parawilt, give frequent irrigation. Spray NAA @ 5 g in 10 litres of water or Potassium nitrate 200 g in 10 litre of water or Cobalt chloride 1 g in 100 litre of water at flowering stage. Collect and destruct scattered infested mealybug plants, if found. Spray Streptocycline 1g + Copper oxychloride 25g/ 10 lit of water for effective management of Bacterial leaf blight (BLB).
Broach				0.0	0.0	0.0	0.0	0.0	
Sabarkantha				0.0	0.0	0.0	0.0	0.0	
Surendranagar				0.0	0.0	0.0	0.0	0.0	
Ahmedabad				0.0	0.0	0.0	0.0	0.0	
Baroda				0.0	0.0	0.0	0.0	0.0	
Patan				0.0	0.0	0.0	0.0	0.0	
Mehesana				0.0	0.0	0.0	0.0	0.0	
<b>MP</b>									
Khargaon				0.0	0.0	0.0	0.0	0.0	
Dhar				0.0	0.0	0.0	0.0	0.0	

Khandwa					0.0	0.0	0.0	0.0	0.0	The crop is 120 to 155 days old at flowering to boll formation stage. Performed weeding and intercultural operations. Incidence of Jassids, white fly and pink boll worm attack were controlled using recommended measures. There are no reports of disease incidence, <b>Advisory:</b> Spray Imidacloprid 3 ml or Acetamapird 2.5 g or Thiamethaxam 2 g per 10 lit. of water for the control of Jassids & whiteflies. If 8 male moths are collected continuously from the pheromone trap then it is assumed that the pest has crossed ETL. Pluck at random 20 green bolls from a field and dissect for presence of live pink bollworm larvae. If at least one boll having live pink bollworm larvae <b>and/or</b> average 8 male moths per pheromone trap (average of 2 pheromone traps) observed then apply one or two sprays of Fenvelerate 20% EC 10 ml or Cypermethrin 10% EC 10 ml or lambda-Cyhalothrin 5 %EC 10ml per 10 lit water. Spraying should be done only after picking of opened bolls and after picking plant must have minimum 6-8 green bolls.
<b>MAHARASHTRA</b>										
Dhule					0.0	0.0	0.0	0.0	0.0	The crop is boll bursting stage.. Due to early withdrawal of rainfall, cotton crop (rainfed area) has started drying in patches in some area. Moderate infection of <i>Alternaria</i> leaf spot and Bacterial Leaf Blight noticed for which recommended measures have been taken up. <b>Advisory:</b> Pluck at random 20 green bolls from a field and dissect for presence of live pink bollworm larvae. If at least one boll having live pink bollworm larvae <b>and/or</b> average 8 male moths per pheromone trap (average of 2 pheromone traps) observed then apply one or two sprays of Fenvelerate 20% EC 10 ml or Cypermethrin 10% EC 10 ml lambda-Cyhalothrin 5 %EC 10ml per 10 lit water. Spraying should be done only after picking of opened bolls and after picking plant must have minimum 6-8 green bolls.
Nandurbar					0.0	0.0	0.0	0.0	0.0	
Jalgaon					0.0	0.0	0.0	0.0	0.0	
Ahmednagar					0.0	0.0	0.0	0.0	0.0	
Aurangabad					0.0	0.0	0.0	0.0	0.0	
Jalna					0.0	0.0	0.0	0.0	0.0	
Beed					0.0	0.0	0.0	0.0	0.0	
Nanded					0.0	0.0	0.0	0.0	0.0	
Parbhani					0.0	0.0	0.0	0.0	0.0	
Hingoli					0.0	0.0	0.0	0.0	0.0	
Buldhana					0.0	0.0	0.0	0.0	0.0	
Akola					0.0	0.0	0.0	0.0	0.0	
Washim					0.0	0.0	0.0	0.0	0.0	
Amravati					0.0	0.0	0.0	0.0	0.0	
Yavatmal					0.0	0.0	0.0	0.0	0.0	
Wardha					0.0	0.0	0.0	0.0	0.0	
Nagpur					0.0	0.0	0.0	0.0	0.0	
Chandrapur					0.0	0.0	0.0	0.0	0.0	
<b>TELANGANA</b>										
Adilabad					0.0	0.0	0.0	0.0	0.0	The crop has entered boll formation and boll development stage. Weather was hot and humid. In farmers' field, dry spell and moisture stress forced bursting of bolls with 10-15 bolls per plant. In some places, (rainfed light soils) 2-3 q/acre seed cotton was realized. Installed Pheromone traps @ 2 per acre for monitoring of pink bollworm incidence in cotton. Need based application of recommended insecticides and fungicides were given. Awareness was created among the farmers on pink bollworm damage and management
Warangal					0.0	0.0	0.0	0.0	0.0	
Khammam					0.0	0.0	0.0	4.0	0.0	
Karimnagar					0.0	0.0	0.0	0.0	0.0	
Mahabubnagar					0.0	0.0	0.0	0.0	5.0	
Guntur						5.0	4.0	14.0	9.0	
Prakasam					0.0	3.0	15.0	12.0	8.0	

									strategies through mass media and regular campaigns by DAATTC, KVK's and Department of Agriculture. <b>Advisory:</b> Foliar application of nutrients 1% (19:19:19, KNO <sub>3</sub> ) at squaring, flowering and boll development stages .to be given. Application of NSKE is being emphasized in view of its ovicidal action against pink bollworm. In isolated pockets (<2%) parawilt was observed and suggested recommended measures.	
<b>KARNATAKA</b>										
Dharwad					0.0	0.0	0.0	0.0	4.0	At Raichur, early sown crop (115 to 120 days) has entered boll initiation and boll development stage. Late sown crop (80 to 85 days) is in flowering stage. Very late sown crop (55 to 60 days) is in vegetative stage. Weather was in general hot and humid prevailed in the area. Second topdressing of fertilizers with nitrogen and potassium was recommended for very late sown crop. First foliar spray of 1% 19:19:19 and 1% MgSO <sub>4</sub> was recommended to early sown crop, second spray with 1% 19:19:19 and 1% MgSO <sub>4</sub> foliar spray is recommended for 75-80 days old crop and third spray with the same combination was recommended wherever leaf reddening is noticed. Second Inter-cultivation done for the 50-55 days old crop and third inter-cultivation was done for the 65-70 days old crop. The Fourth inter-cultivation was done for the 90-95 days old crop. Near about 10% of the cotton area has been harrowed due to moisture stress and poor growth. The same land is kept ready for sowing of rabi crops. In the tail end command areas also, the irrigated crop is suffering from moisture stress due to non-release of canal water. Thrips were noticed in the 50-55 days old crop in the area. No incidence of diseases were observed.. <b>Advisory:</b> First picking in early sown crop have started. Grading of kapas to be done before sending it to market for sale. Drying of kapas in sunlight after picking is necessary. For the management of sucking pests, Flonicamid 50WG 4g/10L water may be sprayed. Buprofezin (0.1%) was recommended to control mealy bugs
Haveri					0.0	0.0	0.0	0.0	0.0	
Mysore					0.0	0.0	24.0	35.0	26.0	
<b>TAMIL NADU</b>										
Perambur					0.0	0.0	15.0	0.0	0.0	At Srivilliputhur, the crop is 22 to 67 DAS at vegetative stage to boll formation stage. Weeding and top dressing of fertilizers in many parts of area taken up. Sucking pests viz., jassid, aphids and spotted boll worm ( <i>Earias vitella</i> ) were observed in some areas. No incidence of diseases. <b>Advisory:</b> As rainfall is expected in coming days, apply recommended dose of fertilizers. Provide adequate drainage facilities to avoid water stagnation. Application of neem cake may be carried out during hoeing to protect from pests and diseases. To manage spotted boll worm, farmers are advised to spray spray Flubendiamide 39.35% SC 3ml <b>Or</b> Indoxacarb 14.5 SC 5ml <b>Or</b> Spinosad 45% SC 2.5ml per 10 L water. . For the management of sucking pests, Flonicamid 50WG 4g/10L water may be sprayed.
Salem					0.0	7.0	24.0	32.0	7.0	
Trichy					0.0	17.0	16.0	16.0	7.0	
Virudhunagar					0.0	47.0	47.0	31.0	10.0	

Rainfall (mm) legend



0.0 mm rainfall ( no rainfall ) . Blank space express data Not available.

Source : <http://imdagrmet.gov.in>