

ICAR-Central Institute for Cotton Research, Nagpur
Weekly Advisory for Cotton Cultivation from 9th to 17th November'2018

WEATHER ADVISORY

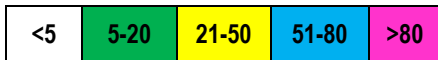
	ACTUAL RAINFALL In mm IMD				PREDICTED IMD					Advisory
	NOVEMBER									
Date	09	10	11	12	13	14	15	16	17	
ORISSA										
Koraput		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<p>The crop is 137 to 143 days at boll development and boll bursting stage. The weather was dry and cool. Cotton crop is in good condition in the districts of Kalahandi, Nuapada and Bolangir. In Gajapati, Ganjam and Rayagada district the crop recouped to some extent from the effect of cyclone. Jassids population has been above ETL in some pockets of Kalahandi, Nuapada and Rayagada but under control. Thrips population was below ETL (6.0-10.0 /3 leaves). Spotted bollworm and American bollworm reported in Non-Bt cotton in Nuapada and Kalahandi districts. Plant protection measures were taken up by application of pesticides and fungicides in Kalahandi, Bolangir, Rayagada and Nuapada districts . . Angular leaf spot and Grey Mildew have been reported in Kalahandi, Nuapada, Bolangir and Rayagada districts. First picking of cotton was initiated in all the districts.</p> <p>Advisory: If sucking pest infestation goes above ETL, spray Flonicamid 50 WG @ 0.4g / or Thiomethoxam @ 0.2 g/lit of water. Sucking pests population can be reduced by installation of yellow sticky traps @ 20 numbers /ha. If 20% plants having one or more 'flared up square' by Spotted and/or American bollworms, spray Flubendiamide 39.35% SC 3ml or Indoxacarb 14.5 SC 5ml or Spinosad 45% SC 2.5ml per 10 litres of water. To control angular leaf spot and Grey Mildew, spray Copper Oxychloride 25 g + Streptocycline 1 g and Carbendazim 50% WP @20g in 10 litres of water, respectively. Install pheromone traps @ 5 numbers /ha to monitor the incidence of bollworms and Spodoptera. Picking of fully opened bolls may be done on sunny hours of the day. Dry the harvested seed cotton properly under sun for 2-3 days before packing. Selling of seed cotton may be done at the 'Cotton markets' operating under the Regulated Market Committees (RMCs) by the Govt. to get minimum support price.</p>
Kalahandi		0.0	0.0	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	0.0	0.0	
GUJARAT										
Amreli					0.0	0.0	0.0	0.0	0.0	<p>At Junagadh, the crop is 120 days old at boll development and boll opening stage. One hand weeding and intercultural operations were carried out during the reporting season.</p> <p>Advisory: Pink bollworm monitoring in flowering stage and picking rosette flowers should be done. Spray Indoxacarb 14.5 SC 7 ml in 10 litre of water for the Pink bollworm—infestation <u>bollworm infestation</u>. To control sucking pest damage, spray Dinotefuran 20 SG @ 4g in 10 litre of water. For management of Parawilt disease, spot drenching with Copper oxychloride 50 WP @ 25 g + Urea 100 g in 10 liters of water. For Sooty mould management, spray Copper oxychloride 50 WP @ 25 g in 10 liters of water.</p>
Bhavnagar					0.0	0.0	0.0	0.0	0.0	
Jamnagar					0.0	0.0	0.0	0.0	0.0	
Rajkot	0.0	0.0	0.0	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	0.0	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	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		
MP											
Khargaon		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<p>At Khandwa, the crop is 130 to 168 days old at boll formation, boll development and maturity stage. Incidence of jassids, whitefly and pink bollworm were controlled using recommended measures. No reports of disease incidence.</p> <p>Advisory: Collect 20 bolls randomly from the fields and open them for the presence of pink boll worm, if 2 or more bolls found damaged by the pest, then spray Quinalphos 20% AF @ 20 ml or Profenophos 50 EC @ 15 ml or Thiodicarb 75 SP @ 20 g in 10 litres of water.. Spraying should be done only after picking of opened bolls.</p>	
Dhar		0.0	0.0	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	0.0	0.0		
MAHARASHTRA											
Dhule		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<p>At Akola, the crop is 126 to 130 days old at boll development and bursting stage. As such, field condition is good. No infestation of weeds. Moderate infestation of <i>Alternaria</i> leaf spot and Bacterial Leaf Blight. Due to early withdrawal of rains, the crop in some rainfed area is wilting in patches. Appropriate management practices have been taken up.</p> <p>Advisory: Farmers should go for picking of clean cotton and store at dry place. Conduct destructive boll sampling for pink bollworm infestation. If PBW observed more than 10 per cent and plant having minimum 6-8 green bolls, spray Fenvelerate 20EC @5ml or Cypermethrin 10EC @7ml in 10 litres of water.</p>	
Nandurbar		0.0	0.0	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	0.0	0.0		
Ahmednagar		0.0	0.0	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	0.0	0.0		
Jalna		0.0	0.0	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	0.0	0.0		
Nanded		0.0	0.0	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	0.0	0.0		
Hingoli		0.0	0.0	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	0.0	0.0		
Akola		0.0	0.0	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	0.0	0.0		
Amravati		0.0	0.0	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	0.0	0.0		
Wardha		0.0	0.0	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	0.0	0.0		
Chandrapur		0.0	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	0.0		<p>At Guntur, the crop is 65 to 105 days entered boll formation and boll development stage. Weather was hot and humid. Spraying for sucking pests (Thrips/ Jassids) and <i>Spodoptera</i> was taken up. In farmers' fields, dry spell and moisture stress forced bursting of bolls 10-15 bolls per plant. In some places (rainfed light soils) 2-3 q/acre seed cotton was realized. Wherever irrigation facilities are available, farmers are giving light irrigation and they were suggested to apply 50kg Urea and 15kg MOP per acre besides foliar nutrition. In isolated pockets, (<2%)</p>
Warangal		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Khammam		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Karimnagar		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Mahabubnagar							0.0	0.0	0.0		
Guntur		0.0	0.0	0.0	0.0	0.0	0.0	18.0	21.0		
Prakasam		0.0	0.0	0.0	0.0	0.0	4.0	47.0	11.0		

										parawilt was observed and suggested recommended measures. Awareness was created among the farmers on pink bollworm damage and management strategies through mass media and regular campaigns by DAATTC, KVK's and Department of Agriculture. Advisory: Foliar application of nutrients 1% (19:19:19, KNO ₃) at squaring, flowering and boll development stages to be given. Need based application of recommended insecticides and fungicides advised. Application of NSKE is being emphasized in view of its ovicidal action against pink bollworm.
KARNATAKA										
Dharwad		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Early sown crop is about 150 -160 days old, but in majority area the crop is 145 days old. Dry spell prevailed during this week in all cotton growing districts with lower night temperature and dry weather during day time. First kapas picking is completed in almost all areas. Desi cotton crop is in growing vegetative stage. PBW incidence has crossed ETL in crop of more than 140 days in majority areas. Suggested a spray of lambda-Cyhalothrin @ 1 ml/lit of water wherever more no. of green and developing bolls are there in the crop. First kapas picking taken up, Light irrigation given after kapas picking in places wherever irrigation facilities are available. Cleaning and grading of Kapas for marketing done during the reporting period. At Raichur, the early sown crop is 155 to 160 days old at boll initiation and boll development stage. Late sown crop is 115 to 120 days old at flowering and boll initiation stage. Very late sown crop is 80 to 90 days old at vegetative stage. Weeds were noticed in the very late sown crop in the farmers fields. Leaf hoppers and Aphids were noticed in both early and late sown crop. Spraying of Flonicamid @ 0.4 grams in 1 lit of water was also advised to the farmers where the crop suffered with sucking pests. Mealybugs were noticed in some areas. Buprofezin (0.1%) is recommended to control mealybugs.. Profenophos (0.3%) was recommended against pink boll worm for 60-65 days old crop and lambda-Cyhalothrin (0.1%) or Thiamethoxam (0.1%) were recommended for 105-110 days old crop. First and second pickings have started in the early sown crop. Even in late sown crop which enters into 120 days, farmers have completed the first picking of cotton. Advisory: As night temperature is lowering day by day, the reddening in Bt cotton is appearing in most of the areas and PBW incidence has crossed ETL in later formed bolls in the crop of 140 days old. Suggested to spray with Magnesium Sulphate @ 1% for leaf reddening. Cypermethrin 10 EC @ 1.0 ml/lit of water may be sprayed for PBW. Suggested light irrigation after each kapas picking. Picking is completed in May sown crop, cotton stalks to be roto slashed (crushed with rotavator), instead of continuing the crop by giving irrigation and fertilizer. Intercultivation in Desi cotton crop (<i>Herbaceum</i>) is suggested to conserve the soil moisture.
Haveri		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Mysore		0.0	0.0	0.0	0.0	0.0	0.0	14.0	10.0	
TAMIL NADU										
Perambalur		0.0	0.0	0.0	0.0	0.0	9.0	11.0	5.0	At Srivilliputhur, the crop is 35 to 80 DAS at vegetative stage to boll formation stage. Weeding and top dressing of fertilizers in many parts of area taken up. <i>Echinochloa spp</i> , <i>Trianthema portulacastrum</i> <i>Dactyloctenium aegyptium</i> , <i>Cyperus spp</i> , <i>Cynadon dactylon</i> were the major weeds that infested the crop. Sucking pests (jassid, aphids and whitefly) and bollworms were observed in some areas. No incidence of diseases.
Salem		0.0	0.0	0.0	0.0	0.0	0.0	7.0	22.0	
Trichy		0.0	0.0	0.0	0.0	0.0	9.0	41.0	8.0	
Virudhunagar		0.0	0.0	0.0	7.0	0.0	4.0	34.0	5.0	

										Advisory: As dry spell is expected in the forthcoming week, weeding, earthing up and top dressing of fertilizers to be carried out. For the management of sucking pests, Diafenthiuron @ 4 g / 10 litres of water is recommended. Application of Indoxacarb @ 5 ml / 10 litre of water is recommended for the control of boll worms.
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Rainfall (mm) legend



0.0 mm rainfall (no rainfall) . Blank space express data Not available. Source : <http://imdagrmet.gov.in>