

ICAR-Central Institute for Cotton Research, Nagpur
XXXIII Weekly Advisory for Cotton Cultivation from 15th to 21st December, 2020

	ACTUAL RAINFALL in mm IMD					PREDICTED RAINFALL in mm IMD							ADVISORY
	DECEMBER					DECEMBER							
	11	12	13	13	14	15	16	17	18	19	20	21	
PUNJAB													Picking is done in almost all these two cotton growing districts.
HARYANA													Advisory: After picking, the infested/unopened/poorly opened bolls on plants should be destroyed. Timely termination of crop by uprooting the stalks. Avoid staking of uprooted stalk on the field bunds to prevent carryover of PBW.
RAJASTHAN													
Ajmer	0	0	0	0	0	0		0	0	0	0	0	At Southern Rajasthan (Banswara, Dunarapur, Pratapgarh, Udaipur, Rajsamand, Chittorgarh, Bhilwara etc), the crop is at boll maturity stage. Crop is free from weeds. Low infestation of sucking pests. No bollworms observed till date. No incidence of diseases. Picking is in progress.
Jodhpur	0	0	0	0	0	0		0	0	0	0	0	
Nagaur								0	0	0	0	0	
Pali	0	0	0	0	0	0		0	0	0	0	0	
Sri Ganganagar	0	0	3	0	0	0		0	0	0	0	0	
ODISHA													
Koraput	0	0	0	0	0	0		0	0	0	0	0	At Odisha, the crop is at boll maturity and boll bursting stage. The weather was cold and dry during the reporting period. Final picking completed in all the cotton growing districts. No incidence of weeds or pests or diseases.
Kalahandi	0	0	0	0	0	0		0	0	0	0	0	
Balangir	0	0	0	0	0	0		0	0	0	0	0	
													Advisory: After picking, farmers are advised to dry on concrete floor or tarpaulin sheets to reduce the moisture to 8%. The seed cotton obtained from final picking should not be mixed with those picked earlier to ensure good fibre

															At Khandwa, after final picking, crop can be terminated and go for Rabi crop. Farmers are also advised to pick cotton during dry and clear weather from the fully matured and open bolls and not to harvest during bad weather conditions. Use cotton bags for picking and storing of cotton to avoid contamination of the lint.
MAHARASHTRA															
Dhule								0	0	0	0	0			At Nanded, the crop is at boll bursting and picking stages. Picking and stalk removal was done during the reporting period.
Nandurbar								0	0	0	0	0			
Jalgaon	0	0	0	6	1	0		0	0	0	0	0			At Rahuri, the crop is at boll bursting and picking stages. Cotton picking is in progress. Infestations of Pink Bollworm in green bolls were observed. No incidence of diseases.
Ahmednagar	0	0	0	0	0	0		0	0	0	0	0			
Aurangabad	0	0	0	0	1	1		0	0	0	0	0			
Jalna	0	0	0	0	0			0	0	0	0	0			At Akola, infestation of pink bollworm above ETL i.e. up to 25 to 30 % was reported on non Bt and Bt hybrids. Leaf spots were also recorded in few pockets.
Beed	0	0	0	0				0	0	0	0	0			
Nanded	0	0	0	0	0	0		0	0	0	0	0			
Parbhani	0	0	0	0	0	0		0	0	0	0	0			
Hingoli								0	0	0	0	0			Advisory:
Buldhana	0	0	0	0	0	2		0	0	0	0	0			On crossing 10% infestation by pink bollworm in green bolls, farmers are advised to spray Fenvelerate 20%EC 10ml or Cypermethrin 10 EC @10 ml or Lambda - cyhalothrin 5 EC @10 ml or Profenofos @30ml or Chlorpyrifos 20 EC @25 ml or Thiodicarb 75 WP @20 g in 10 lit of water.
Akola	0	0	0	0	1	0		0	0	0	0	0			Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant. If more than 60 % bolls are infested and no new flush seen on the plant, farmers advised to terminate the crop and go for Rabi crop. Trapping pink bollworm adults in ginning mills and other storage places should be done to reduce carry over during next year. At this stage of crop, spraying of fungicides or bactericides against diseases is not advisable.
Washim	0	0	0	0	0	0		0	0	0	0	0			
Amravati	0	0	0	0	0	0		0	0	0	0	0			
Yavatmal								0	0	0	0	0			
Wardha	0	0	0	0	0	0		0	0	0	0	0			
Nagpur	0	0	0	0	0	1		0	0	0	0	0			
Chandrapur	0	0	0	0	0	0		0	0	0	0	0			Farmers are also advised to remove cotton stalks out of field after picking of cotton. Ratooning should be discouraged. Instead, sowing of rabi crop may be preferred. Picking of cotton should be done preferably in morning hours. Cotton should be dried in shade and stored at dry place. Store cotton from

													different pickings separately. Catching Pink bollworm adults in ginning mills and other storage places should be done to reduce carry over in next season.
TELANGANA													
Adilabad	0	0	0	0	0	0	0	0	0	0	0	0	At Guntur, the crop is 135 to 150 days old at boll formation and boll development /boll bursting stage. First picking is in progress. Leafhopper and whitefly infestation is observed but below ETL. 30 to 50% green boll damage due to pink bollworm was observed. At Nandyal, the crop is 120-135 days at boll bursting stage. The weather was cloudy with mild sunshine. Picking of kapas was in progress. No major weeds were noticed. Pink bollworm infestation was from 10 to 25 % in the locations surveyed. Advisory: Spray Cypermethrin 25EC 1ml or Lambda cyhalothrin 5 EC @ 1ml/ litre to manage pink bollworm wherever crop crosses 125 days.
Warangal	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	
Karimnagar	0	0	0	0	0	0	0	0	0	0	0	0	
Mahabubnagar	0	0						0	0	0	0	0	
Guntur	0	0	0	0	0	0	0	0	0	0	0	0	
Prakasam	0	0	0	0	0	0	0	0	0	0	0	0	
KARNATAKA													
Dharwad	0	0	0	0	0	0	0	0	0	0	0	0	At Raichur, the early sown crop is 169 to 176 days, 136-143 days (late sown crop) and 116-121 days (very late sown crop). At Dharwad and surrounding districts under its jurisdiction, the crop is at boll formation to second picking and crop termination stage. Picking of cotton is in progress. Boll infestation by pink bollworm ranged between 5 to 12 per cent. Very low incidence of tea mosquito bug was noticed. <i>Alternaria</i> blight (<i>Alternaria macrospora</i>), Grey mildew (<i>Ramularia areola</i>) were in moderate status. Advisory: On crossing 10% infestation by pink bollworm in green bolls, farmers are advised to spray Fenvelerate 20%EC 10ml or Cypermethrin 10 EC @10 ml or Lambda - cyhalothrin 5 EC @10 ml or Profenofos @30ml or Chlorpyrifos 20 EC @25 ml or Thiodicarb 75 WP @20 g in 10 lit of water. Spraying of 19:19:19 @2% + MgSO ₄ @ 1% for management of leaf
Haveri							0	0	0	0	0	0	
	0	0	0	0	0	0	1	1	11	0	0	0	

															reddening is suggested. To manage fungal leaf spot/ fungal blight/ external boll rot, Spray Kresoxim - methyl 44.3 SC @10 ml or (Pyraclostrobin 5 % + Metiram 55 %) @ 20 g or Propiconazole 25 EC @ 10 ml or Propineb 70 WP @ 25 -30 g or (Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC) @ 10 ml or (Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC) @ 6 g in 10 lit of water. .
TAMIL NADU															
Perambalur	2	0	0	0	0	0	0	21	7	17	4	0			At Coimbatore and surrounding areas, the crop is at boll formation and boll bursting stages. Weeding was taken up. Picking started in some farmers; fields during the reporting period. <i>Parthenium</i> grass, Broad leaved weeds, <i>Cyperus</i> grass, <i>Bermuda</i> grass were the major weeds that infested the fields. Pink bollworm, stem weevil, leaf hopper, mealybug, spiraling whiteflies and mites were recorded. <i>Alternaria</i> leaf blight, grey mildew and root rot were also noticed in the cotton fields.
Salem	0	0	0	0	0	0		13	4	7	1	0			
Trichy								12	8	14	23	0			
Virudhunagar								3	2	10	9	1			At Srivilliputhur, the crop is at boll formation and boll development stage. The weather during the reporting period was moderately cool with heavy rainfall. Weeding, top dressing with fertilizers and plant protection measures are in progress in many areas. <i>Trianthema portulacatrum</i> , <i>Cyperus</i> spp. and <i>Cynadon dactylon</i> were the major weeds that have infested the cotton fields. Bollworms and leafhoppers were observed in some areas. No incidence of diseases.
															Advisory: At Coimbatore and surrounding cotton growing areas, farmers are advised to set up yellow sticky traps @ 8/ac to monitor the sucking pest population and spray Imidacloprid 17.8 SL 3ml or Dinotefuran 20 SG 3g or Flonicamid 50 WG 4g or Spiromesifen 22.9% EC 12ml per 10 litre water if needed. Foliar application of Profenofos @20ml or Chlorpyrifos 20 EC @25 ml or Thiodicarb 75 WP @20 g per 10 lit of water for the management of lepidopteron pests may be taken up. <i>Alternaria</i> leaf blight, Grey mildew and root rot disease incidence was noticed in the cotton growing areas, advised to spray carbendazim 50% WP @20gm Kresoxim - methyl 44.3 SC @10 ml or (Pyraclostrobin 5 % +

										<p>Metiram 55 %) @ 20 g or Propiconazole 25 EC @ 10 ml or Propineb 70 WP @ 25 -30 g or (Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC) @ 10 ml or (Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC) @ 6 g in 10 lit of water. at 15 days interval is recommended. For the management of root rot, drench with Carbendazim 2 gm /lit of water at 15 days interval. In some pockets, farmers' fields are infested with weeds like <i>Cyprus</i>, <i>Bermuda</i> grass, <i>Parthenium</i> and broad leaved weeds. Farmers are advised to go for hand weeding, if not possible go for foliar spray Ethoxysulfuron 15% WDG 40g/ac.</p> <p>At Srivilliputhur, as very heavy rains are expected, farmers are advised to skip irrigating the fields. Sufficient drainage facilities should be arranged. Nipping of terminal buds at 15th and 20th node for hybrids should be done to arrest the excess vegetative growth.</p>
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The detailed information regarding cotton production technology, e.g. selection of soil, varieties, fertilizer application, sowing methods, irrigation systems, management of weeds, insect pests and diseases, etc. can be availed from an android based **CICR Cotton App** developed by ICAR-CICR, Nagpur. The app can be downloaded free of cost from Google play store. Additionally, the crop growth stage specific and weather based weekly advisory are uploaded on the website of ICAR-CICR that may also be consulted for the benefit of farmers.

Rainfall (mm)	<5	5-20	21-50	51-80	>80
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0.0 mm rainfall (no rainfall) Blank space express data not available.

For district past rainfall data:

Source: Website: www.imdagrimet.gov.in

Link: <http://164.100.114.10/weatherdata/DistrictWindow.php>

For next five day forecast:

Website: agromet.imd.gov.in

Link: http://agromet.imd.gov.in/index.php/download/download_state_wise