## ICAR-Central Institute for Cotton Research, Nagpur

## XXIX Weekly Advisory for Cotton Cultivation from 7th to 13th December '2021

	AC		RAINF/ IMD CEMB	ALL in	mm	PRI	r	ED RA nm IMI	D	L in	ADVISORY		
Date	03	04	05	06	07	09	10	11	12	13			
PUNJAB		<u> </u>									In both the States, picking has been completed		
HARYANA													
RAJASTHAN													
Ajmer	0	0	0	0	0	0	0	0	0	0	At Sriganganagar, picking has been completed.		
Jodhpur	0	0	0	0	0	0	0	0	0	0			
Nagaur	0	0	0	0	0	0	0	0	0	0	In southern Rajasthan (Banswara and surrounding districts), the sown crop is at picking		
Pali	0	0	0	0	0	0	0	0	0	0	stage. No bollworm incidence till date. Fields are free from weeds. No incidence of pests and		
Sri Ganganagar	0	0	0	0	0	0	0	0	0	0	diseases.		
											Advisory: The farmers of Southern Rajasthan (Banswara and surrounding districts) are advised to go for clean picking of fully opened cotton bolls. After last picking allow sheep, goats and other farm animals into cotton fields to feed on plant debris and un-opened bolls.		
ODISHA	_				_								
Koraput	0	0	3	1	0	1	3	7	1	0	At Odisha, the crop is at picking stage. Final picking is in progress in all cotton growing		
Kalahandi	0	1	1	1	1	0	1	3	0	0	districts of the State. Cool and cloudy weather prevailed with slight rainfall at Rayagada,		
Balangir	0	0	1	2	0	0	0	0	0	0	Kalahandi, Bolangir and Sonepore districts while dry and cool weather in other areas Incidence of sucking pests like whitefly and jassid are still noticed. Pink bollworm incidence has been reported from the areas where cotton was sown late. Grey mildew was reported from all the cotton growing districts.  Advisory:  Farmers are advised to go for picking of cotton during dry and clear weather from the fully matured and open bolls. Use cotton bags instead of gunny or plastic bags for picking and storing of cotton to avoid contamination of the lint. After picking, the seed cotton should be dried on concrete floor or tarpaulin sheets to reduce the moisture to 8%. At this stage spraying of fungicides and insecticides are not advisable for disease and pest management.		
GUJARAT											The state of the s		
Amreli	0	0	0	0	0	0	0	0	0	0	At Surat, cotton crop is at boll bursting and picking stages. Incidence of aphid was above		
Bhavnagar	2	0	0	0	0	0	0	0	0	0	ETL, Jassid and whitefly below ETL and pink bollworm above ETL were recorded. Bacterial		

lampagar	Λ	Λ	0	0	0	0	Λ	0	Λ	Λ	Loof Dlight (DLD) was absorved from law to madium but high in some hubride hall and law in
Jamnagar	0	0	0	0	0	0	0	0	0	0	Leaf Blight (BLB) was observed from low to medium but high in some hybrids, boll rot low in
Rajkot	0	0	0	0	0	_	-	0	-	0	few cotton fields and Corynospora leaf spot from low to medium status.
Junagadh	2	0	0	0	0	0	0	0	0	0	At Junggadh the area is at hall humting and picking stages. Dick hallwarm infectation has
Sabarkantha			•		•	0	0	0	0	0	At Junagadh, the crop is at boll bursting and picking stages. Pink bollworm infestation has
Surendranagar	1	0	0	0	0	0	0	0	0	0	crossed ETL. Grey mildew disease and internal boll rot have been noticed in the fields.
Ahmedabad	2	0	0	0	0	0	0	0	0	0	Advisons
Baroda	9	0	0	0	0	0	0	0	0	0	Advisory
Patan	0	0	0	0	0	0	0	0	0	0	At Surat, unexpected heavy rains received during the week. So, farmers are advised to take proper care and excess water should be drained out from the cotton fields. Cotton should be
Mehesana						0	0	0	0	0	picked during dry and clear weather from the fully matured and open bolls. Use cotton bags instead of gunny or plastic bags for picking and storing of cotton to avoid contamination of the lint. After picking, the seed cotton should be sun dried properly on concrete floor or tarpaulin sheets to reduce the moisture level. Spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant. Complete pickings of fully opened cotton bolls on time. If possible, pick non-infested and infested cotton with pink bollworm, separately. Collect and destroy alternate hosts and scattered infested mealybug plants, if found. For the control of bacterial leaf blight, spray Copper oxychloride 50 WP @ 25 g + Streptocycline @ 1g/10 lit of water. Spray Carbendazim 50 WP@10g or Propiconazole 25 EC @ 10 ml or Propineb 70 WP @ 25 g or Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC @ 10 ml in 10 lit of water to control fungal Target spot/ Leaf spot/ blight/ boll rot.  At Junagadh, farmers are advised to pick up open boll as early as possible. To control pink bollworm, spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant.
MADHYA PRAD	ESH										
Khargaon											At Khandwa, the crop is at boll bursting stage. Incidence of pink bollworm are in the increase.
Dhar	6	0	0	0	0	0	0	0	0	0	No incidence of diseases.
Khandwa											Advisory: Farmers are advised to install pheromone traps @ 4/acre to regularly monitor pink bollworm. Spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant.
MAHARASHTRA											Whom minimum or to groom bone per plant and new mach occir on the plant.
Dhule						0	0	0	0	0	At Akola, the monsoon and pre monsoon crop is at picking stage. July sown cotton is at boll
Nandurbar	0	0	0	0	0	0	0	0	0	0	bursting stage in early varieties. Cotton picking is still in progress. Infestation of sucking
. tariadibai											regions of defining

Jalgaon	0	0	0	0	0	0	0	0	0	0	pests like whitefly and jassid was observed above ETL and thrips below ETL in some fields.
Ahmednagar	1	7	0	0	0	0	0	0	0	0	Heavy infestation of pink bollworm attack (20-25%) reported in non <i>Bt</i> and <i>Bt</i> hybrids. Leaf
Aurangabad	2	0	0	0	0	0	0	0	0	0	spots were recorded in some cotton fields.
Jalna	_				•	0	0	0	0	0	
Beed						0	0	0	0	0	At Nanded, the crop is at picking stage. Picking is in progress. Weeds have still infested the
Nanded	0	0	0	0	0	0	0	0	0	0	fields. Pink bollworm incidence was recorded in few fields. No incidence of diseases.
Parbhani	0	3	0	0	0	0	0	0	0	0	
Hingoli	0	0	0	0	0	0	0	0	0	0	At Rahuri, the crop is at boll bursting and picking stages. Picking is in progress. Incidence of
Buldhana	2	0	0	0	0	0	0	0	0	0	whitefly 1-5/ 3 leaves, jassid 2-6/3 leaves, thrips 1-3/ 3 leaves, aphids 11-23/ 3 leaves were
Akola	0	0	0	0	0	0	0	0	0	0	recorded. Pink bollworm incidence with 117 moths was noticed in installed traps at few
Washim	0	0	0	0	0	0	0	0	0	0	villages of Rahuri Taluka of Ahmednagar District. Tea Mosquito bug 1-2/ plant, tobacco
Amravati	0	1	0	0	0	0	0	0	0	0	streak virus 1%, Bacterial leaf blight 10 %, Alternaria leaf blight 5%, Boll rot 10% and grey
Yavatmal	0	0	0	0	0	0	0	0	0	0	mildew 11% were recorded in the fields.
Wardha	0	0	0	0	0	0	0	0	0	0	Advison
Nagpur	0	0	0	0	0	0	0	0	0	0	Advisory:  At Akola, farmers are advised to complete harvesting /picking of cotton by the month end of
Chandrapur	0	0	0	0	0	0	0	0	0	0	December to avoid PBW carry over to next season. After harvesting of early <i>Bt</i> cotton
					•		Ç	· ·		· ·	varieties (140-150 days hybrids), take rabi crop of either chickpea or wheat if irrigation facility is available, to aid extra monetary benefit. Spray Thiamethoxam 25 WG @ 2g or Flonicamid 50 WG @ 4 g or Diafenthiuron @ 12.5g or Acetamiprid 20 SP 2g /10 lit of water to control sucking pests. Spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant.  At Nanded, farmers are advised to terminate the crop after second or third picking preferably by the end of December. Spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant. Cotton stalk should be utilized or used for composting as early as possible to minimize carryover of pink bollworm in the form of pupal stage existing on stalk. It should not be stored in heaps on field bunds or around colonies.  At Rahuri, farmers are advised to spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. 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 are advised to terminate the crop and go for Rabi crop.
TELANGANA	•	0	_	0	•	•	0	_	_	•	At Addished the case is at wishing steer MAC ( )
Adilabad	0	0	0	0	0	0	0	0	0	0	At Adilabad, the crop is at picking stage. Whitefly and pink bollworm infestation observed

Warangal	0	0	0	0	0	0	14	9	10	6	above ETL. Alternaria leaf spot, grey mildew and internal boll rot above EIL, red cotton bugs
Khammam	0	0	0	0	0	0	4	10	5	5	were observed but controlled with recommended measures.
Karimnagar	0	0	0	0	0	0	1	0	3	0	
Mahabubnagar	0	0	0	0	0	0	6	14	2	3	<ul> <li>At Warangal, the crop is at boll bursting stage. Jassid infestation and external boll rot was above ETL. Leaf spots like Corynespora leaf spot, Alternaria leaf spot and grey mildew disease were observed.</li> </ul>
											Advisory:  At Adilabad, farmers are advised to Spray Thiamethoxam 25 WG @ 2g or Flonicamid 50 WG @ 4 g or Diafenthiuron @ 12.5g or Acetamiprid 20 SP 2g /10 lit of water to control sucking pests. Spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant. Spraying of Mancozeb @ 2.5 g/l or Propiconazole @ 1 ml/l or Captan + Hexaconazole @ 1 g/l or Propineb @ 2.5 g/l or Kresoxim-methly @ 1ml/l (and also for Grey mildew) is recommended to control leaf spots. Do not extend cotton crop beyond 180 days to check further attack of pink bollworm. In irrigation condition, terminate the crop and take up chickpea as second crop.  At Warangal, farmers are advised to Spray Thiamethoxam 25 WG @ 2g or Flonicamid 50 WG @ 4 g or Diafenthiuron @ 12.5g or Acetamiprid 20 SP 2g /10 lit of water to control sucking pests. Spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. Application of insecticides can be
											taken up only when minimum 8 -10 green bolls per plant and new flush seen on the plant.
ANDHRA PRAD	ESH										At Guntur, the sown crop is at boll development and bursting stages. Pickings are in
Guntur	0	0	0	0	0	5	4	12	0	0	progress in some areas. Protective sprays against pink bollworm were given. Infestation of
Prakasam	0	0	0	0	0	0	4	12	4	0	jassid noticed above ETL. Thrips and whitefly infestation was below ETL. Boll damage due to pink bollworm was observed above ETL at few places.
											At Nandyal, the crop is at boll formation and boll maturity stages. Jassid incidence was noticed below ETL. No incidence of diseases.
											Advisory At Guntur, farmers are advised to give foliar application of 2% KNO <sub>3</sub> or 2% Urea to retain the developing bolls. Proper care should be taken to dry the kapas before reaching the market. Collect and destroy rosette flowers. Spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant

											and new flush seen on the plant. spray Thiamethoxam 25 WG @ 2g or Flonicamid 50 WG @ 4 g or Dinotefuran 20 SG @ 3 g or Imidachloprid 17.8%SL @3ml /10 lit of water to control sucking pests. Spray 0.1% Propiconazole against <i>Corynespora</i> leaf spot and rust. Do not extend the crop beyond 160 days. Once picking is completed, allow animals to graze in the fields to reduce PBW infestation. Avoid stacking of stubbles on the field bunds or at home. Running of shredder in the harvested field and incorporation of the residues in the soil by rotovator is recommended.  At Nandyal, not much pest and disease problem reported however farmers are advised to monitor the crop regularly for pink bollworm and observe their ETL. Spray Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @ 10 ml or Fenvalerate 20 EC 10 ml 10 lit to manage pink bollworm. Application of insecticides can be taken up only when minimum 8 -10 green bolls per plant
KARNATAKA											In North Karnataka, under UAS, Dharwad Jurisdiction (Dharwad, Haveri, Belagavi,
Dharwad	13	0	0	0	0	0	0	0	0	(	
Haveri	16	0	0	0	0	0	0	0	0	(	crop termination stage. Incidence of jassid, aphids and mirid bugs were recorded above ETL Pink bollworm moth traps were above ETL in few districts.
Mysore	6	4	0	0	0	0	0	2	1	C	
											At Raichur, the early sown crop is at second picking stage, late sown crop at boll maturity and picking stages and very late sown crop at boll development and boll maturity stages. Second picking in early sown crop and first picking in late sown crop are in progress. Mealybugs were noticed in few farmers' fields.
											At Chamarajanagar, the crop has been completely harvested.
											Advisory: In North Karnataka, under UAS, Dharwad Jurisdiction (Dharwad, Haveri, Belagavi, Bagalakot, Vijayapur, Gadagand Uttarkannada districts), farmers are advised to Spray Thiamethoxam 25 WG @ 2g or Flonicamid 50 WG @ 4 g or Diafenthiuron @ 12.5g /10 lit of water to control sucking pests. Spray Fenvalerate 20 EC 10 ml Or Cypermethrin 10 EC 10 ml or Lambda- cyhalothrin 5EC 10 ml/10Lt water against pink bollworm.
											At Raichur, farmers are advised to give third foliar spray of 1% 19: 19: 19 (10g/lit of water) +1% MgSO <sub>4</sub> (10g/lit of water) to 100 days old crop. Advised for micronutrient spray @4ml/lit of water wherever deficiency is noticed. Give foliar spray of 1% KNO <sub>3</sub> to the crop that has entered into boll development stage.
											At Chamarajanagar, as the crop is harvested; there is no need for any intervention.

oll formation stages. bug were observed
bug were observed
ral cotton areas of
ecorded.
advised to spray an 20 SG @ 3 g or king pests. Spray Spinetoram 11.70 % shazole 50 EC @ 10 % WG) @20 g or e of waterto control ine @ 1g + Copper d sown farmers are iffication of ridges or duzalofop ethyl 4% to continuous rain. In of 19:19:19 WSF.  The facilities owing to be forthcoming days. In the facilities owing to be forthcoming days. In the facilities owing to be forthcoming days. The facilities owing to be fac
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excess vegetative growth.

Rainfall (mm)

Legend colour

<5 6-20 21-50

0.0 mm rainfall (no rainfall)

Blank space expresses data not available.

Source: http://agromet.imd.gov.in/index.php/download/download state wise