



XXIX Weekly Advisory for Cotton Cultivation from 5th to 11th December 2023

PUNJAB		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Firozpur						0	0	0	0	0
	Faridkot	0	0	0	0	0	0	0	0	0	0
	Muktsar	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
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

At Bathinda and Faridkot, picking is completed in all the fields.

Advisory:

Farmers are advised to destroy the infested crop residues by uprooting the cotton stalks and turning them into the soil using shredder.

HARYANA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	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
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop condition:

At Hisar and Sirsa, picking is over in all the fields.

Advisory:

Farmers are advised to destroy the infested crop residues by uprooting the cotton stalks and turning them into the soil using shredder.


RAJASTHAN		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Ajmer	0	0	0	0.5	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
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop condition:

In Southern Rajasthan (Banswara, Bhilwara, Chittorgarh, Dungarpur, Pratapgarh, Rajsamand and Udaipur) and Sriganganagar and Hanumangarh, picking is completed.

Advisory:

Farmers are advised to destroy the infested crop residues by uprooting the cotton stalks and turning them into the soil using shredder.


ODISHA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Koraput	0	0	0	0	5.2	70	35	7	2	0
	Kalahandi	0	0	0	0	0	18	24	7	1	0
	Balangir	0	0	0	0	0	10	7	3	1	0
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop condition:

At Odisha, the crop is at boll bursting/ harvesting stages. Third picking is in progress. Incidence of jassids crossed ETL. Recent incidence of pink bollworm has been reported from many parts of the State (1-2% green boll damage) which is below ETL. Incidence of grey mildew reported from all cotton growing districts and Bacterial leaf blight from many fields.

Advisory:

Farmers are advised to start picking only completely bursted bolls during dry weather. Dry the seed cotton on concrete floor or tarpaulin sheets to reduce the moisture almost 8-10%. Store the seed cotton obtained from the first picking separately and try to sell the seed cotton in the nearby "Mandies" to get better price. Apply NPK 19:19:19 fertilizer as foliar spray @100g/10 litre of water after first picking for proper development of remaining bolls and growth of plants. Regularly monitor the crop to know about incidence of pests and diseases. Spray Flonicamid 50 WG @ 4g/10 litres or Dinotefuran 20 SG @3g/10 litres or Thiamethoxam 25 WG @ 2g/10 litres of water when jassid crosses ETL. In case of pink bollworm crossing ETL, spray the crop with Cypermethrin 10% EC @ 300ml/acre or Cypermethrin 25% EC @ 200ml/acre or Lambda cyhalothrin 5%EC @200 ml/acre or Deltamethrin 2.8EC @ 200ml/acre or Fenpropathrin 10% EC @ 300-400ml/acre or Fenvalerate 20EC @200ml/acre or Alphacypermethrin 10% EC @ 120ml/acre. For Non Bt or desi cotton (arboreum), spray Flubendiamide 39.35 SC @3ml/10 lit (150ml/ha) Or Indoxacarb 14.5 SC @10ml/10 lit (500 ml/ha) Or Spinosad 45SC 4 ml/10 lit (200ml/ha) to control American bollworm. Apply foliar spray of Copper oxychloride 50 WP@25-30g/10 lit of water to manage bacterial blight disease and Carbendazim 50% WP@4g or Propiconazole 25% EC@ 10ml or Carbendazim 12%+ Mancozeb 63% WP @30g or Fluxapyroxad 167g/lit + Pyraclostrobin333g/lit SC @6g or Kresoxim-methyl 44.3 %SC@10ml or Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC @10ml/10 lit of water to manage fungal leaf spots and boll rot disease complex diseases. To manage grey mildew, give foliar spray of Carbendazim 12%+ Mancozeb 63% WP @30g or Azoxystrobin 18.2% w/w +Difenconazole 11.4% w/w SC @10 ml or Kresoxim-methyl 44.3 %SC@10ml/10 lit of water. Collect and destroy the damaged bolls and plants due to pest and diseases.

GUJARAT		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Amreli	0	0	0	0	0	0	0	0	0	0
	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
	Junagadh	0	0	0	0	0	0	0	0	0	0
	Sabarkantha						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
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop condition:


At Surat, the sown crop is at boll formation, boll bursting and picking stages. Picking is in progress. Aphids and pink bollworm population have crossed ETL in some fields while leafhopper, whitefly and thrips incidence were below ETL. Leaf reddening were noticed in medium status, boll rot and Bacterial Leaf Blight in low status.

At Junagadh, the sown crop is at boll development and boll opening stage. Second picking is in progress. Heavy attack of pink bollworm has been recorded in many places. Incidence of grey mildew and *Alternaria* leaf blight were recorded in most of the fields.

Advisory:

At Surat, farmers are advised to initiate picking of cotton when the seed cotton is dry without dew. Infested and healthy seed cotton should be separated to get better prices. Spray Flonicamid 50 WG @4g or Dinotefuran 20SG @ 3g or Imidacloprid 17.8SL @ 3ml or Buprofezin 25 SC @20ml/10 litres of water on crossing ETL by sucking pests. Install pheromone traps @5 traps/ha to monitor pink bollworm. Spray Cypermethrin 10%EC @ 10-15ml Or Cypermethrin 25%EC @4-6ml Or Lambda cyhalothrin 5%EC @10ml Or Deltamethrin 2.8EC@10ml Or Fenprothrin 10%EC @15-20ml or Fenvalerate 20EC @10ml Or Alphacypermethrin 10% EC @6ml per 10litres of water wherever pink bollworm crosses ETL (10% damage to fruiting bodies or 8 moths per trap per night for consecutive 3 days). Apply foliar spray of Potassium nitrate (13:0:45) @ 2% to improve boll setting and reduce flower drop at flowering stage for which 2 kg of Potassium nitrate should be dissolved in 100 of water or spray Naphthalic Acetic acid (NAA) 4.5 SL @ 4.00 ml/10 litres of water. To manage leaf reddening in *Bt* cotton, spray Magnesium sulphate @1% + Urea 1% twice at 15 days interval during full bloom and boll development stages. Apply spray of Copper oxychloride 50 WP/WG @ 25-30 g/10 litres of water to manage bacterial leaf blight disease and boll rot disease. Apply foliar spray of Carbendazim 12%+ Mancozeb 63% WP @ 30g or Propiconazole 25EC @10ml or Carbendazim 50WP@4g or Fluxapyroxad 167g/lit +Pyraclostrobin 333g/lit SC@6ml or Azoxystrobin 18.2% w/w +Difenoconazole 11.4% w/w SC @10ml or Kresoxim-methyl 44.3 %SC@10 ml or Metiram 55%+Pyraclostrobin 5% WG @20g/10 lit of water to manage blight diseases. Collect and destroy diseased bolls and crop debris from the fields.

At Junagadh, farmers are advised to install pheromone trap @2/ acre to monitor pink bollworm and record the population of moths. Collect and destroy the initial flush of rosetted flowers from the field to avoid carryover of pink bollworm population. Spray Cypermethrin 10% EC @10-15ml or Cypermethrin 25% EC @4-6ml or Lambda cyhalothrin 5%EC@ 10ml or Deltamethrin 2.8 EC @ 10ml or Fenprothrin 10% EC @15-20ml or Fenvalerate 20 EC @10ml or Alphacypermethrin10% EC @ 6ml/10 lit of water wherever pink bollworm crosses ETL (10% damage to fruiting bodies or 8 moths per trap per night for consecutive 3 days). Apply spray of Copper oxychloride 50 WP/WG @ 25-30 g/10 lit of water to manage bacterial leaf blight disease and boll rot disease. To manage fungal foliar disease and *Corynespora* leaf spots, spray Carbendazim 12%+ Mancozeb 63% WP @30g or Propiconazole 25EC @10ml or Carbendazim 50 WP@4g or Fluxapyroxad 167g/l + Pyraclostrobin 333g/l SC@6 ml or Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC @10ml or Metiram 55%+Pyraclostrobin 5% WG @20g/10litres of water. To manage grey mildew, give foliar spray of Azoxystrobin 18.2% w/w+ Difenoconazole 11.4% w/w SC @10ml or Kresoxim methyl 44.3% SC@10 ml or Carbendazim12%+Mancozeb 63% WP@30g/10 litres of water. Collect and destroy diseased bolls and crop debris from the fields.

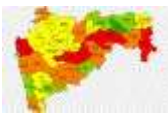
MADHYA PRADESH		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Khargaon										
	Dhar	0	0	1.6	0	0	0	0	0	0	0
	Khandwa										
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 301	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

At Khandwa, the early sown crop is boll formation and boll bursting stages. Picking is in progress. Incidence of whiteflies were recorded but below ETL. Pink bollworm damage ranged between 20 to 50% in most of the fields. Incidence of *Cercospora*, *Alternaria* and leaf spot were observed in some areas.

Advisory:

Farmers are advised to irrigate as per existing field condition using drip preferably. Avoid picking of cotton in those areas where rains were received during last week. Spray Cypermethrin 10% EC @10-15ml Or Cypermethrin 25% EC @ 4-6ml or Lambda cyhalothrin 5%EC @ 10ml or Deltamethrin 2.8 EC @ 10ml or Fenprothrin 10%EC @ 15-20ml or Fenvalerate 20 EC @ 10ml or Alpha cypermethrin 10% EC @ 6ml/10 litres of water wherever pink bollworm crosses ETL (10% damage to fruiting bodies). Spray Copper Oxychloride 50WP/WG @25-30g/10 litres of water to manage bacterial blight disease and foliar spray of Carbendazim 12%+Mancozeb 63% WP@30 g or Carbendazim 50WP @4 g or Kresoxim methyl 44.3SC@10 ml or Propineb 70 WP@ 25 g or Propiconazole 25EC@ 10 ml or Metiram 55% +Pyraclostrobin 5% WG @20g or Azoxystrobin 18.2% w/w + Difenoconazole 11.4%w/w SC @10 ml or Fluxapyroxad 167g/l + Pyraclostrobin 333g/l SC@ 6ml per 10 litres of water in the fields affected with *Cercospora* leaf spot, *Alternaria*, *Corynespora* leaf spot, other fungal leaf spots and fungal boll rot disease complex. Proper care should be taken while picking seed cotton. Spraying decisions should be subjected to the availability of 7-8 greenbolls per plant. Picking should be started only after drying of dew in bright sunshine hours. Partially opened, undeveloped bolls or bolls containing moisture should not be picked. Cotton after picking should be kept on a clean cloth or tarpaulin. Avoid contamination of pieces of dry leaves, stalks and soil while picking the lint. The excess moisture harms the quality of lint as well as seed. Store picked cotton subsequently as per requirement. Certain precautions should be followed while storing the lint. Store house should be well ventilated and pucca. If required, carry out fumigation of store house before storing the lint that is properly dried before storage. Destroy the stubbles from fields and also avoid heaping of stalks/stubbles in fields. Collect and destroy diseased bolls and crop debris from the fields.

MAHARASHTRA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Dhule	0	0	5.5	0	0	0	0	0	0	0
	Nandurbar	0	0	0	0	0	0	0	0	0	0
	Jalgaon	19	0	0	0	0	0	0	0	0	0
	Ahmednagar	25	5	0	0	0	0	5	0	0	0
	Aurangabad	49.7	0	0	0	0	0	0	0	0	0
	Jalna						0	0	0	0	0
	Beed	2	0	0	0	0	0	3	1	0	0
	Nanded	6.8	0	0	1.2	0	3	8	3	0	0
	Parbhani	0	0.3	0	0	0	0	2	1	0	0
	Hingoli	7.5	0	0	0	0	1	2	1	0	0
	Buldhana	24	0	0	0	0	0	0	0	0	0
	Akola	10.4	0.5	0	0	0	0	0	0	0	0
	Washim	0	0	0	0	0	0	7.9	0	0	0
	Amravati	0	0	0	0	0	4.4	2.9	0	0	0
	Yavatmal	0	0	0	0	0	2.4	14	0	0	0
	Wardha	0.6	0	0	0	0	0	9.9	0	0	0
	Nagpur	0	0	0	0	0	3.2	31	5.3	0	0
Chandrapur	0	0	0	0	0	5.4	68	4.6	0	0	
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop condition:

At Akola, the pre monsoon and monsoon cotton at boll bursting and picking stage while July sown cotton is at boll development and boll bursting stage. Picking is in progress. Pink bollworm infestation was noticed above ETL i.e. upto 10-15 % on non *Bt* and *Bt* hybrids. Leaf spots was recorded in some fields.

At Nanded, the crop is at picking stage. Incidence of aphids and whiteflies infestation were noticed. Grey mildew was spotted in few fields. Picking is in progress.

At Rahuri, the crop is at boll bursting to picking stage. Second and third picking is in progress as per the sown period. Thrips, aphids and whitefly incidence recorded below ETL while jassids and pink bollworm infestation were noticed above ETL in some fields. TSV recorded at 1%, grey mildew 1% and boll rot 2% in cotton fields.


Advisory:

At Akola, farmers are advised to. complete picking of cotton the end of December to avoid PBW attack in next season. Spray 1% Urea and 1% Magnesium sulphate in boll development stage to avoid reddening of cotton in later crop stage. If pink bollworm incidence crosses ETL, spray Cypermethrin 10% EC @10-15ml Or Cypermethrin 25% EC @4-6ml Or Lambda cyhalothrin 5%EC @10ml Or Deltamethrin 2.8 EC @10 ml Or Fenpropathrin 10%EC @15-20ml or Fenvalerate 20EC @ 10ml Or Alphacypermethrin 10% EC @ 6ml/10 litres of water. To avoid rotting of matured bolls from outer side, spray Propiconazol 25% EC 1 ml or Propineb 70 WP @ 2.5-3 gm per litre of water and for internal rotting of bolls, spray Copper Oxchloride 50 WP @ 25-30g of water. To manage leaf spots, spray Carbendazim 12%+ Mancozeb 63% WP@30g or Kresoxim methyl 44.3 SC@10 ml or Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC @10 ml in 10 litres of water. Collect and destroy diseased bolls and crop debris from the fields. Keep the picked cotton variety wise. After harvest of early *Bt* cotton varieties (140-15 days hybrids), take up rabi crop of either Chickpea or wheat if irrigation facility is available to reap more monetary benefit.

At Nanded, farmers are advised to pick cotton at the earliest possible considering rainfall prediction. Dry cotton before storing it. Wet cotton should not be picked. Store picking wise seed cotton separately. If sucking pest infestation crosses ETL, spray Acetamidrid 20SP @2g or Flonicamid 50WG @4g Or Dinotefuran 20SG @3g Or Imidaclopid 17.8SL@3ml/10litres of water. Spray Kresoxim-methyl 44.3%SC@10 ml or Azoxystrobin 18.2%w/w + Difenconazole 11.4%w/w SC @10 ml or Carbendazim 12%+ Mancozeb 63% WP@ 30g/10 lit of water to manage grey mildew disease in cotton. Pick only fully opened bolls and store at clean dry place. Store picked cotton of different hybrids separately. Dry cotton in shade prior to storing them. Do not apply Nitrogen at picking stage. Terminate crop at end of December month. Collect and destroy diseased bolls and crop debris from the fields.

At Rahuri, farmers who have not completed picking are advised to go for clean picking of fully opened cotton bolls. Pick non infested and pink bollworm infested cotton separately to get good price in the market. On crossing ETL by sucking pests, spray

Thiamethoxam 25 WG @2g or Dinotefuron 20% SG @3g or Flonicamid 50 WG @4g or Diafenthiuron 50 WP @12g or Buprofezin 25SC @20ml/10litres of water. If incidence of pink bollworm crosses ETL, spray Cypermethrin 10% EC @10-15ml Or Cypermethrin 25% EC @4-6ml Or Lambda cyhalothrin 5%EC @10ml Or Deltamethrin 2.8 EC @10ml Or Fenpropathrin 10%EC @15-20ml or Fenvalerate 20EC@10ml Or Alphacypermethrin 10%EC @6ml/10 litres of water. Keep the pheromone traps for PBW mass trapping @10/acre until last picking is completed. Spray Kresoxim-methyl 44.3% SC @10 ml or Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC @10 ml or Carbendazim 12%+ Mancozeb 63%WP@30g/10 litres of water to manage grey mildew and leaf spot disease in cotton. Give foliar spray of Carbendazim 12%+ Mancozeb 63% WP@30g or Carbendazim 50WP @4g or Propiconazole 25 EC@10ml or Metiram 55%+Pyraclostrobin5% WG @20g or Azoxystrobin 18.2%w/w + Difenoconazole 11.4%w/wSC @10 ml or Fluxapyroxad 167 g/l +Pyraclostrobin 333 g/l SC @ 6 ml mixed in 10 litres of water to manage boll rot disease complex. Field should be kept free from *Parthenium* and thrips management to prevent the spread of TSV in cotton. Collect and destroy diseased bolls and crop debris from the fields.

TELANGANA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Adilabad	0	0	0	0	0	0	34	1	0	0
	Warangal	0	0	0	0	0	45	48	2	1	0
	Khammam	0	0	0	0	10	206	62	8	0	0
	Karimnagar	0	0	0	0	0	8	36	0	0	0
	Mahabubnagar	0	0	0	0	0	1	1	1	0	0
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	


Crop Condition:

At Warangal, final picking is over.

At Adilabad, the sown crop is at boll development to boll bursting stage. Aphids incidence was above ETL while low to moderate incidence of whitefly noticed in most of the fields. Incidence of pink bollworm was recorded at 30 to 50% above ETL.

Advisory:

At Adilabad, farmers are advised to spray Magnesium sulphate @10g per lit of water twice in 10 days interval to correct the deficiency in the sown crop. Spray Flonicamid 50WG @ 4g or Dinotefuran 20SG@ 3g or Imidacloprid 17.8SL @3ml or Diafenthiuron @12.5g/10 lit of water against sucking pests. Install pheromone traps @4/acre to monitor or @ 8-10/acre for mass trapping of pink bollworm. If incidence of pink bollworm crosses ETL, spray Cypermethrin 10%EC@10-15ml or Cypermethrin 25%EC@4-6ml or Lambda cyhalothrin 5%EC @10ml or Deltamethrin 2.8EC@10ml or Fenpropathrin 10%EC @15-20ml or Fenvalerate 20 EC @10ml or Alphacypermethrin 10%EC @6ml/10 litres of water. Spray Kresoxim-methyl 44.3%SC @ 10 ml or Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC@10 ml or Carbendazim 12%+ Mancozeb 63% WP @30g/10 lit of water to manage grey mildew and leaf spot disease in cotton. Spray 13-0-45@ 10g per lit of water every 10 days interval to improve the boll size and arrest boll drop problem. Incorporate cotton stubbles in the soil to break the PBW life cycle. Do not extend the crop by giving irrigation and fertilizers. Collect and destroy diseased bolls and crop debris from the fields.

ANDHRA PRADESH		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Guntur	0	0	0	0	35	160	10	2	2	0
	Prakasam	0	0	16.1	3.4	118	80	2	2	0	0
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:


At Guntur, the sown crop is at boll formation to boll bursting stage. Picking is in progress. Leafhoppers and aphids incidence observed in some fields. Pink bollworm was noticed above ETL in few fields.

At Nandyal, the sown cotton is at picking stage. First to third picking is in progress as per the dates sown. Aphids and pink bollworm incidence were noticed above ETL in majority of the fields.

Advisory:

At Guntur, farmers are advised to spray Flonicamid50WG@80g/acre or Diafenthiuron50WP @250g/acre or Imidacloprid17.8SL@60ml/acre or Acetamiprid 20%SP @40g/acre or Thiamethoxam 25%WG @40g/acre against sucking pests. Wherever, pink bollworm has crossed ETL, spray Profenophos50EC @ 600 ml/acre or Chlorpyrifos20EC @ 500ml or Quinalphos 20AF@400ml/acre or Emamectin benzoate 5 SG@ 100 g/acre Indoxacarb 14.5 SC @ 200ml/acre. If *Alternaria* leaf spot and stem blight incidence is noticed, spray Carbendazim12%+ Mancozeb 63% WP@30g or Carbendazim 50WP @4g or Propiconazole 25EC@10 ml or Metiram55%+ Pyraclostrobin5%WG @20g 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 ml mixed in 10 litres of water. Spray Kresoxim-methyl 44.3% SC @10 ml or Azoxystrobin 18.2% w/w +Difenconazole 11.4% w/w SC @10 ml or Carbendazim 12%+ Mancozeb 63% WP@ 30g/10 litres of water to manage grey mildew or brown leaf spot and other leaf spot disease in cotton. Collect and destroy diseased bolls and crop debris from the fields.

At Nandyal, farmers are advised to spray Profenophos50EC @ 600 ml/acre or Chlorpyrifos20EC @ 500ml or Quinalphos 20AF@400ml/acre or Emamectin benzoate 5 SG@ 100 g/acre or Indoxacarb 14.5 SC @ 200ml/acre wherever pink bollworm crossed ETL. For crop more than 120 days old, spray Cypermethrin 10%EC @300ml/acre or Cypermethrin 25% EC @ 200ml/acre or Lambda cyhalothrin 5%EC @200 ml/acre or Deltamethrin 2.8 EC @200ml/acre) or Fenpropathrin 10%EC @300-400ml/acre or Fenvalerate 20EC @200ml/acre or Alphacypermethrin 10% EC@120ml/acre. If grey mildew or brown leaf spot incidence is noticed, give foliar spray of Carbendazim 12%+ Mancozeb 63%WP@30g or Kresoxim methyl 44.3 SC@10 ml or Azoxystrobin 18.2%w/w + Difenconazole 11.4% w/w SC @10 ml mixed in 10 litres of water. Pick the cotton during morning and evening hours and store kapas separately. Collect and destroy diseased bolls and crop debris from the fields. Terminate the crop by the month of December.

KARNATAKA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Dharwad	0	0	0	0	0	3	0	0	0	0
	Haveri	0	0	0	0	0	6	0	0	0	0
	Mysore	0	0	0	0	0	0	0	0	0	15
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

At Dharwad, the sown cotton is at boll formation/ boll development stage. Leaf hopper incidence was in moderate to severe status and aphids in moderate status and mirid bugs in low to moderate status. Pink bollworm infestation noticed above ETL in few districts. *Alternaria* leaf blight and grey mildew were also noticed in moderate status.

At Raichur, the crop is at boll development/ boll bursting stages based on the dates sown. Pink bollworm attack was recorded in very late sown crop. Leaf reddening problem was also observed in few fields.


At Chamarajanagar, picking is completed.

Advisory:

At Dharwad, farmers are advised to spray Flonicamid 50WG@80g/acre or Diafenthiuron 50WP@250g/acre or Imidacloprid17.8SL@60ml/acre or Thiamethoxam 25%WG @40g/acre against sucking pests if their population crosses ETL. Wherever, pink bollworm crossed ETL, spray Profenophos50EC @ 600 ml/acre or Chlorpyrifos20EC @ 500ml or Quinalphos 20AF@400ml/acre or Emamectin benzoate 5 SG@ 100 g/acre Indoxacarb 14.5 SC @ 200ml/acre. Foliar spray of Carbendazim12%+ Mancozeb 63% WP@30 g or Carbendazim 50WP @4 g or Kresoxim methyl 44.3 SC@10 ml or Propineb 70 WP@ 25 g or Propiconazole 25 EC@ 10 ml or Metiram 55%+Pyraclostrobin5% WG @20 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 ml mixed in 10 litres of water for the management of grey mildew, *Alternaria* leaf blight and leaf spots. Collect and destroy diseased bolls and crop debris from the fields.

At Raichur, pickings have started where crop was sown early in some areas. So, farmers are advised to go for pickings on time to avoid the cotton exposure to accidental rains. Take up weeding and inter-cultivation operations for very late sown crop on priority basis. Spray Thiamethoxam/ Fipronil and Flonicamid/ Dinotefuran against thrips and leaf hoppers, respectively. Install insect traps @4/acre to monitor the pest status. As a precautionary spray against pink boll worm, spray Profenophos to 80-85 days old crop which acts as ovicidal pesticide. As the population of pink boll worm moths trapped in the pheromone traps are increasing, take up Lambda + Chlorantriprole (Combi product) against pink bollworm along with micronutrient spray @5g/5ml in one litre of water. Spray Fenpropathrin @1 ml in 1 litre of water (against pink bollworm) to late sown crop (95-100 days). Give a spray of 1% 19:19:19 (10 g in 1 litre of water) + 1% MgSO₄ (10g in 1 litre of water) to address the leaf reddening problem and micronutrient spray @ 4g or ml in 1 litre of water as well as foliar spray 13-0-45 (Potassium nitrate) @10g to the very late sown crop for good boll size. Collect and

destroy diseased bolls and crop debris from the fields.

TAMIL NADU		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		01	02	03	04	05	07	08	09	10	11
	Perambalur	6.4	3.4	0	2.4	0	10	12	12	25	10
	Salem	11	1	0	2	0	4	6	5	20	25
	Trichy						8	12	12	14	10
	Virudhunagar	0	0	2.5	0	0	12	10	4	20	35
Amount of rainfall & colour Code		0.1 to 2.4 mm		2.5 to 15.5 mm		15.6 to 64.4 mm		64.5 to 115.5 mm		115.6 to 204.4	
Rainfall category		Very light rainfall		Light rainfall		Moderate rainfall		Heavy rainfall		Very heavy rainfall	

Crop Condition:

At Coimbatore and surrounding areas, the crop is in boll maturity stage. Picking has started in early sown fields wherein matured fully burst bolls were harvested. Pink bollworm incidence was noticed in few fields. *Alternaria* blight, bacterial blight, grey mildew, boll rot and TSV were recorded in the cotton fields.

At Srivilliputhur in and around fields, the sown cotton is at boll development stage. Top dressing and plant protection measures are in progress. Incidence of leaf hoppers were noticed in some cotton fields. Stem weevil and root rot complex were prevalent in few areas.

Advisory:

At Coimbatore, farmers are advised to keep irrigation and drainage channels clean to avoid stagnation of water due to excess rainfall. Maintain field sanitation without weeds to prevent hindrance of weeds while picking operation is in process. Spray Flonicamid 50WG@80g/acre or Diafenthiuron 50WP@250g/ac or Imidacloprid 17.8SL@60ml/acre or Thiamethoxam 25%WG @40g/acre against sucking pests if their population reaches ETL. Field should be kept free from *Parthenium* and thrips managed to prevent the spread of TSV in cotton. Spray Thiamethoxam 25% WG@40g/acre or Spinetoram 11.7 SC@170ml/acre to control thrips. Wherever, pink bollworm has crossed ETL, spray Profenophos 50EC @ 600 ml/acre or Chlorpyrifos 20EC @ 500ml or Quinalphos 20AF@ 400ml/acre or Emamectin benzoate 5 SG@100 g/acre Indoxacarb 14.5 SC @ 200ml/acre. Spray Carbendazim 50 WP@ 0.04% or Carbendazim 12%+Mancozeb 63% WP@0.3% or Kresoxim methyl 44.3 SC @ 0.1% or Propineb 70 WP @ 0.25 % or Propiconazole 25EC @0.1% or Metiram 55%+Pyraclostrobin 5% WG @ 0.2% or Azoxystrobin 18.2% w/w + Difenconazole 11.4%w/w SC @ 0.1% or Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC @ 0.06% to manage *Alternaria* leaf blight disease. Apply foliar spray of Copper oxychloride 50WP/WG@30 g/10 litres of water to manage bacterial blight in cotton. Spot drench with Carbendazim 50 WP@12g/10 lit of water to early symptomatic root rot affected and surrounding plants. Give need-based spray with Mancozeb @ 2 g/ lit of water or Copper oxy chloride @ 3g/ lit of water to manage boll rot incidence Pick matured fully burst bolls at the earliest without any delay to avoid coincidence with rains.

At Srivilliputhur, farmers are advised to give need-based irrigation for proper development and maturity of bolls. Clip off terminal buds at 15th and 20th node for varieties and hybrids, respectively to arrest excessive vegetative growth. Wherever growth of cotton is not sufficient, spray Cotton plus @6.25kg/ha. Spray Flonicamid 50WG@80g/acre or Diafenthiuron 50WP@250g/ac or Imidacloprid 17.8SL@60ml/acre or Thiamethoxam 25%WG @40g/acre against sucking pests if their population reaches ETL. Wherever, pink bollworm crosses ETL, spray Profenophos 50EC @600 ml/acre or Chlorpyrifos 20EC @500ml or Quinalphos 20AF@400ml/acre or Emamectin benzoate 5SG@100g/acre, Indoxacarb 14.5SC@200ml/acre. Spray Carbendazim 50 WP@ 0.04% or Carbendazim 12%+Mancozeb 63% WP@0.3% or Kresoxim methyl 44.3SC@0.1% or Propineb 70WP@0.25% or Propiconazole 25EC@0.1% or Metiram 55%+ Pyraclostrobin 5%WG@0.2% or Azoxystrobin 18.2% w/w + Difenconazole 11.4%w/w SC @0.1% or Fluxapyroxad 167g/lit + Pyraclostrobin 333 g/l SC @0.06% to manage *Alternaria* leaf blight disease. Spot drench with Carbendazim 50WP@12g/10 lit of water to early symptomatic root rot affected and surrounding plants.

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 ICARCICR, 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 also to be consulted for the benefit of farmers.