



XXVIII Weekly Advisory for Cotton Cultivation from 28th November to 4th December, 2023


PUNJAB		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Firozpur	0	0	0	0	0	0	0	1	0	0
	Faridkot	0	0	0	0	0	0	0	1	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	1	2	1	0	0
	Ludhiana	0	0	0	0	0	0	3	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 Bathinda and Faridkot, picking is completed in all the fields. Collection and destruction of diseased bolls and infected crop debris from the fields.											

HARYANA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	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	7	1	0	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 Hisar and Sirsa, picking is over in all the fields. Collection and destruction of diseased bolls and infected crop debris from the fields.											

RAJASTHAN		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Ajmer	0	0	0	5.8	0	1	0	0	0	0
	Jodhpur	0	0	0	14.6	0	0	0	0	0	0
	Nagaur						0	0	0	0	0
	Pali	0	0	31	0	0	0	0	0	0	0
	Sri Ganganagar	0	0	0	0	0	1	1	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), final picking is in progress. In Sriganganagar and Hanumangarh, picking is completed.											

Advisory:

In Southern Rajasthan (Banswara, Bhilwara, Chittorgarh, Dungarpur, Pratapgarh, Rajsamand and Udaipur), farmers are advised to allow farm animals to graze in cotton fields to reduce the carry over population of pink bollworm. Incorporate cotton stalks in fields with the help of cotton shredder or rotavator and go for sowing of wheat.


ODISHA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Koraput	0	6	0	0	0	2	0	0	0	0
	Kalahandi	0	0	0	0	0	3	0	0	0	0
	Balangir	0	0	0	0	0	1	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 Odisha, the crop is 150 to 160 days old at boll bursting/ harvesting stages. Second picking is almost completed. Incidence of jassid crossed ETL. Recent incidence of *Spodoptera* and red cotton bug have been reported from Kalahandi and Nuapada districts. Incidence of grey mildew reported from all cotton growing districts and Bacterial leaf blight from many fields.

Advisory:

Farmers are advised to start picking in completely burst bolls during dry weather. Dry the seed cotton on concrete floor or tarpaulin sheets to reduce the moisture to 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 litres 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 once 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 5EC @ 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 (arboreum) cotton, spray Flubendiamide 39.35 SC @ 3ml/10 litres (150ml/ha) Or Indoxacarb 14.5 SC @ 10ml/10 litres (500 ml/ha) Or Spinosad 45SC 4 ml/10 litres (200ml/ha) to control American bollworm. Apply foliar spray of Copper oxychloride 50 WP @ 25-30g/10 litres 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/l + Pyraclostrobin 333g/l SC @ 6ml or Kresoxim-methyl 44.3 %SC @ 10ml or Azoxystrobin 18.2% w/w + Difenconazole 11.4% w/w SC @ 10ml/10 litres 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 litres of water. Insecticidal or fungicidal sprays may be taken up only when 7- 8 green bolls are present per plant. 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)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Amreli	0	0	2.2	56.2	0	0	0	0	0	0
	Bhavnagar	0	0	0	25.6	0	0	0	0	0	0
	Jamnagar	0	0	0	0	0	0	0	0	0	0
	Rajkot	0	0	0	17.6	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	25	0	0	0	0	0	0
	Ahmedabad	0	0	0	12	0	0	0	0	0	0
	Baroda	0	0	0	27	0	0	0	0	0	0
	Patan						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 green boll and open boll formation stages. Second picking is in progress. Aphids and pink bollworm population have crossed ETL in some fields. Mealybug population was scattered in fields. Moderate leaf reddening was noticed while Bacterial Leaf Blight in low status.


At Junagadh, the sown crop is at boll development and boll opening stage. Irrigation and pesticide spray were done. Heavy attack of pink bollworm has been recorded in many places. Incidence of grey mildew and internal boll rot were recorded in most of the

fields.

Advisory:

At Surat, farmers are advised to 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. 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). In case of heavy rain, farmers are advised to drain out the excess rain water from the cotton fields. If the cotton plants topples down, support that plants with stick. Spray the crop grown in light soils with Urea @ 2.0% and Zinc sulphate 20% @ 0.5% to overcome Zinc deficiency and Magnesium sulphate @ 1kg/100 litres of water to overcome Magnesium deficiency in crop. 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 50WP/WG @ 25-30 g/10 litres of water to manage bacterial leaf blight disease. Apply foliar spray of Carbendazim12%+ Mancozeb 63% WP @ 30g or Propiconazole 25EC @10ml or Carbendazim 50WP@4g or Fluxapyroxad 167g/l +Pyraclostrobin 333g/l 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 litres of water to manage fungal leaf spot and blight diseases. Insecticidal or fungicidal sprays may be taken up only when 7- 8 green bolls are present per plant. Collect and destroy diseased bolls and crop debris from the fields.

At Junagadh, 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 litres 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 litres of water to manage bacterial leaf blight disease. To manage fungal foliar disease, boll rot disease complex 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. Insecticidal or fungicidal sprays may be taken up only when 7- 8 green bolls are present per plant. 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)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Khargaon										
	Dhar	0	0	0	50.1	1.2	0	4	23	8	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	

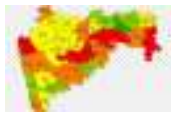
Crop Condition:

At Khandwa, the early sown crop is boll formation and boll bursting stages. Final picking is in progress in few patches where early sowing was done. Incidence of whitefly recorded but below ETL. Pink bollworm damage ranged between 20 to 50% in most of the fields. Incidence of *Cercospora*, *Alternaria* leaf spot and TSV 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 Alphacypermethrin 10% EC @ 6ml/10 litres of water wherever pink bollworm crosses ETL (10% damage to fruiting bodies).Spray of CopperOxychloride 50WP/WG @25-30g/10 litres of water to manage bacterial blightdisease and foliar spray of Carbendazim 12%+Mancozeb63% WP@ 30g 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 @10ml or Fluxapyroxad 167g/l + Pyraclostrobin 333g/l SC@ 6ml per 10 litres of water inthe 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. Picked seed cotton 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. Fields should be kept free from *Parthenium* and management of thrips is necessary to prevent the spread of TSV in cotton. Collect and destroy diseased bolls and crop debris from the fields.

MAHARASHTRA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Dhule	0	0	0	7.5	10	6	8	12	6	0
	Nandurbar	0	0	0	62.5	5.5	5	0	0	6	0
	Jalgaon	0	0	0	36	7	15	9	18	8	0
	Ahmednagar	0	0	0	13	9	14	12	0	0	0
	Aurangabad	0	0	0	54.5	11.2	9	12	15	5	0
	Jalna						15	7	9	0	0
	Beed	0	0	0	0	2	24	15	9	0	0
	Nanded	0	0	0	0	0	15	7	0	0	0
	Parbhani	0	0	0	77	14	22	10	0	0	0
	Hingoli	0	0	0	56	17.5	20	8	0	0	0
	Buldhana	0	0	0	61	32	15	12	4.1	11.6	0
	Akola	0	0	0	41.8	39.6	25	13	8.5	2.9	0
	Washim	0	0	0	66	36	25	20	3.3	2.1	0
	Amravati	0	0	0	23.4	28	33	28	12	5.5	0
	Yavatmal	0	0	0	29	15	19	18	2	2	0
	Wardha	0	0	0	1.4	9	23	15	7.1	2.4	0
Nagpur	0	0	0	0	33.2	51	17	8.2	6	0	
Chandrapur	0	0	0	0	31	45	11	2.8	5.2	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 crop is at boll development and boll bursting stages. Cotton picking is in progress. No significant incidence of pests. Leaf spots was recorded in some fields.

At Nanded, the crop is at picking stage. Incidence of aphids and whitefly 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. Picking is in progress. Thrips and whitefly incidence recorded below ETL while aphids, jassids and pink bollworm infestation were noticed above ETL in some fields. Cotton plants damaged due to *Myllocerus* weevil at few fields. TSV recorded at 1%, grey mildew 1% and boll rot 2% in cotton fields.


Advisory:

At Akola, farmers are advised to drain excess water from the fields and give priority for clean picking of cotton. Keep the picked cotton variety wise and that got soaked in rains separately. After harvesting of early *Bt* cotton varieties (140-15 days hybrids), take up second rabi crop of either Chickpea or wheat if irrigation facility is available with the farmer for more monetary benefit. To manage leaf spots, undertake foliar spray of Carbendazim 12%+ Mancozeb 63% WP@30 g or Kresoxim methyl 44.3 SC@10 ml or Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC @10 ml in 10 litres of water. Collect and destroy diseased bolls and crop debris from the fields.

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 Acetamiprid 20SP @ 2g or Flonicamid 50WG @ 4g Or Dinotefuran 20SG @ 3g Or Imidacloprid 17.8SL@ 3ml/10litres 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 litres 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. Collect and destroy diseased bolls and crop debris from the fields.

At Rahuri, farmers those 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/10 litres 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. 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 per 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)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Adilabad	0	0	0	21	5	24	10	2	0	0
	Warangal	2	0	0	0	0	0	0	0	0	0
	Khammam	6	0	0	0	0	1	1	2	0	1
	Karimnagar	0.2	1	0	0	0	1	0	0	0	0
	Mahabubnagar	3	0	0	0	0	4	2	4	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, the crop is at picking stage. Picking is in progress. *Alternaria* leaf and stem blight and boll rot were recorded.

At Adilabad, the sown crop is 139 to 146 days old at boll development to boll bursting stage. Aphids incidence was noticed in the fields above ETL due to onset of low temperature while jassids and whitefly below ETL. Incidence of pink bollworm was recorded at 30 to 50% above ETL. Magnesium deficiency noticed in most of the fields.

Advisory:

At Warangal, if *Alternaria* leaf spot, fungal boll rots and stem blight incidence are noticed, spray Carbendazim 12%+Mancozeb 63% WP@30 g or Carbendazim 50 WP @4 g or Kresoxim methyl 44.3 SC@10 ml or Propiconazole 25 EC@ 10 ml orMetiram 55% +Pyraclostrobin5% WG @20 g or Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w SC @10 ml or Fluxapyroxad167g/l + Pyraclostrobin 333 g/l SC @ 6 ml mixed in 10 litres of water. Collect and destroy diseased bolls and crop debris from the fields.

At Adilabad, farmers are advised to spray Magnesium sulphate @10g per litres 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 litres of water against sucking pests. 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 litres of water to manage grey mildew and leaf spot disease in cotton. Spray NPK 13-0-45@ 10g per litre of water every 10 days interval to improve the boll size and arrest boll drop problem. 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)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Guntur	3	0	0	0	0	0	0	3	0	0
	Prakasam	8.9	3.6	0	0	0	0	5	3	3	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 120 to 130 days at boll formation/ boll development/ boll bursting stage. Picking is in progress. Jassid, whitefly 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. High day temperatures

with moderately cool weather was prevalent during the reporting period. Aphids and pink bollworm incidence were noticed above ETL in majority of the fields in Kurnool district.

Advisory:

At Guntur, farmers are advised to spray Flonicamid 50 WG@ 80g/acre or Diafenthiuron 50WP @ 250g/acre or Imidacloprid 17.8SL@ 60ml/acre or Acetamiprid 20%SP @ 40g/acre or Thiamethoxam 25%WG @ 40g/acre against sucking pests. 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. 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/lSC @ 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, if incidence of pink bollworm crosses ETL, 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.

KARNATAKA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Dharwad	0	0	0	0	0	0	0	1	1	0
	Haveri	0	0	0	0	0	0	0	0	0	0
	Mysore	5	0	0	0	0	0	0	3	4	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 Dharwad, the sown cotton is at boll formation/ boll development stage. Jassid incidence was in moderate to severe status, 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 Profenofos 50EC @ 600 ml/acre or Chlorpyrifos 20EC @ 500ml or Quinalphos 20AF@ 400ml/acre or Emamectin benzoate 5 SG@ 100 g/acre or 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 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 Profenofos 50EC @ 600 ml/acre or Chlorpyrifos 20EC @ 500ml or Quinalphos 20AF@ 400ml/acre or Emamectin benzoate 5 SG@ 100 g/acre or Indoxacarb 14.5 SC @ 200ml/acre. 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)				
		November					November/ December				
		25	26	27	28	29	30	01	02	03	04
	Perambalur	3	7.4	32	8.2	0	12	18	25	14	10
	Salem	0.5	1	4	6	0	15	15	35	15	10
	Trichy						12	15	25	15	14
	Virudhunagar	0	56	4	0	5.5	30	38	10	14	36
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 jassid 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/acre 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 Profenofos 50EC @ 600 ml/acre or Chlorpyrifos 20EC @ 500ml or Quinalphos 20AF@ 400ml/acre or Emamectin benzoate 5 SG @ 100 g/acre or 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 @ 0.6% to manage *Alternaria* leaf blight and boll rot disease complex. 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 litres of water to early symptomatic root rot affected and surrounding plants. 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. Field should be kept free from *Parthenium* and thrips management to prevent the spread of TSV in cotton. 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/acre 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 Profenofos 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/l + Pyraclostrobin 333 g/l SC @0.6% to manage *Alternaria* leaf blight disease. Spot drench with Carbendazim 50WP@12g/10 litres 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.