


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 not to stack the uprooted cotton stalks on the field bunds. The stalks may be used as fire wood or may be shredded into small pieces using tractor drawn shredder to destroy the carryover population of pink bollworm. Collect and destroy diseased bolls and infected crop debris from the fields


ODISHA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December/ January				
		22	23	24	25	26	28	29	30	31	01
	Koraput	0	0	0	0	0	0	0	0	0	0
	Kalahandi	0	0	0	0	0	0	0	0	0	0
	Balangir	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 Odisha, the crop is at harvesting stage. Final picking is in progress. Infestation of pink bollworm has been reported from many parts of the State (1-2% green boll damage) at 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 of only completely bursted 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 to get better price. In case of pink bollworm crossing ETL (>10% green boll infestation), 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. Spray decisions should be guided by the presence of minimum 7-8 green bolls per plant. Apply foliar spray of Copper oxychloride 50 WP@25-30g/10 litres of water to manage bacterial blight disease. To control grey mildew, give foliar spray of Carbendazim 12%+ Mancozeb 63% WP @30g or Azoxystrobin 18.2% w/w +Difenoconazole 11.4% w/w SC @10 ml or Kresoxim-methyl 44.3 %SC@10ml/10 litres of water. Collect and destroy the damaged bolls and plants due to pest and diseases. If final picking is over, remove all the cotton plants from the field to reduce the multiplication of pink bollworm. Cotton plants can be used for making compost by cutting into small pieces and burying in the compost pits

GUJARAT		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December/ January				
		22	23	24	25	26	28	29	30	31	01
	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 bursting and picking stages. Picking is in progress. Aphids and pink bollworm population have crossed ETL in some fields. Leaf reddening and *Alternaria* leaf blight were noticed in medium to high status and boll rot in low to medium status.

At Junagadh, the sown crop is at boll opening stage. Picking is in progress. Pink bollworm infestation has been recorded in many places. Occurrence of *Alternaria* leaf blight was recorded in most of the fields.

Advisory:

At Surat, farmers are advised to pick cotton when the seed cotton is dry without dew. Separate infested and healthy seed cotton to get better prices. 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% green boll damage). 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, *Alternaria* leaf spot and *Corynespora* leaf spots, foliar spray Carbendazim 12%+ Mancozeb 63% WP @30 g or Propiconazole 25 EC @10 ml or Carbendazim 50 WP@4 g or Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC@6 ml or Azoxystrobin 18.2%w/w + Difenconazole 11.4% w/w SC @10 ml or Metiram 55%+Pyraclostrobin 5% WG @20 g/10 litres of water. Collect and destroy diseased bolls and crop debris from the field. 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. Complete pickings of fully opened cotton bolls on time. Pick non-infested and infested cotton with pink bollworm separately.

At Junagadh, farmers are advised to 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% green boll damage). 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, *Alternaria* leaf spot and *Corynespora* leaf spots, foliar spray Carbendazim 12%+ Mancozeb 63% WP @30 g or Propiconazole 25 EC @10 ml or Carbendazim 50 WP@4 g or Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC@6 ml or Azoxystrobin 18.2%w/w + Difenconazole 11.4% w/w SC @10 ml or Metiram 55%+Pyraclostrobin 5% WG @20 g/10 litres of water. Collect and destroy diseased bolls and crop debris from the fields. After last picking, allow cattle and sheep to graze the remaining stubbles and bad opened bolls infested with pink bollworm.

MADHYA PRADESH		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)					
		December					December/ January					
		22	23	24	25	26	28	29	30	31	01	
	Khargaon											
	Dhar	0	0	0	0	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 crop is almost over in all of areas. Final picking is in progress in most of the left out areas.

Advisory:

Farmers are advised to take proper care while picking seed cotton. 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. Harvest the crop once it is 180 days old. 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. Spread in sunlight to reduce moisture content or else, the excess

moisture harms the quality of lint as well as seed. Store picked cotton subsequently as per requirement. Destroy the stubbles from fields and also avoid heaping of stalks/stubbles in fields. Do not leave the crop after 180 days..

MAHARASHTRA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December/ January				
		22	23	24	25	26	28	29	30	31	01
	Dhule	0	0	0	0	0	0	0	0	0	0
	Nandurbar	0	0	0	0	0	0	0	0	0	0
	Jalgaon	0	0	0	0	0	0	0	0	0	0
	Ahmednagar	0	0	0	0	0	0	0	0	0	0
	Aurangabad	0	0	0	0	0	0	0	0	0	0
	Jalna						0	0	0	0	0
	Beed	0	0	0	0	0	0	0	0	0	0
	Nanded	0	0	0	0	0	0	0	0	0	0
	Parbhani	0	0	0	0	0	0	0	0	0	0
	Hingoli	0	0	0	0	0	0	0	0	0	0
	Buldhana	0	0	0	0	0	0	0	0	0	0
	Akola	0	0	0	0	0	0	0	0	0	0
	Washim	0	0	0	0	0	0	0	0	0	0
	Amravati	0	0	0	0	0	0	0	0	0	0
	Yavatmal	0	0	0	0	0	0	0	0	0	0
	Wardha	0	0	0	0	0	0	0	0	0	0
	Nagpur	0	0	0	0	0	0	0	0	0	0
Chandrapur	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 Akola, the crops are at boll bursting and picking stage. Picking is in progress. Heavy infestation of pink bollworm was noticed above ETL i.e. up to 25-30 % on non *Bt* and *Bt* hybrids. Leaf spots were 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. Picking is in progress. Jassids and pink bollworm infestation were noticed above ETL in some fields.


Advisory:

At Akola, farmers are advised to complete picking of cotton by the end of December to avoid PBW attack in next season. Wherever pink bollworm infestation 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 20EC @ 10ml Or Alphacypermethrin 10% EC @ 6ml/10 litres 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, take up rabi crop of either Chickpea or wheat if irrigation facility is available to reap more monetary benefit. Collect and destroy diseased bolls and infected crop debris from the fields.

At Nanded, farmers are advised to 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 and leaf spot 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. Terminate crop at end of December month. 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. If infestation 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 + Difenconazole 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 diseases 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 + Difenconazole 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. Collect and destroy diseased bolls and crop debris from the fields. Terminate the crop by end of December to avoid pink bollworm incidence in next season and allow cattle and sheep to graze the remaining stubbles and bad opened bolls.

TELANGANA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December/ January				
		22	23	24	25	26	28	29	30	31	01
	Adilabad	0	0	0	0	0	0	0	0	0	0
	Warangal	0	0	0	0	0	0	0	0	0	0
	Khammam	0	0	0	0	0	0	0	0	0	0
	Karimnagar	0	0	0	0	0	0	0	0	0	0
	Mahabubnagar	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 Warangal, final picking is over.

At Adilabad, the sown crop is at boll bursting stage. Aphids incidence was above ETL while low to moderate incidence of whitefly noticed in most of the fields. Infestation of pink bollworm was recorded above ETL (40-50% green boll damage).

Advisory:

At Adilabad, 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 + Difenconazole 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 diseases in cotton. Spray NPK (13-0-45)@ 10g per litres 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. Once picking is over, allow the animals to graze to remove the left over PBW pest residue from the stubbles.

ANDHRA PRADESH		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December/ January				
		22	23	24	25	26	28	29	30	31	01
	Guntur	0	0	0	0	0	0	0	0	0	0
	Prakasam	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 Guntur, the sown crop is at boll bursting and picking stage. Final picking is in progress. Pink bollworm was found above ETL in few fields.

At Nandyal, picking is completed and crop is over.

Advisory:

At Guntur, farmers are advised to plough in the cotton stubbles after completion of pickings. Collect and destroy

diseased bolls and crop debris from the fields.

KARNATAKA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December/ January				
		22	23	24	25	26	28	29	30	31	01
	Dharwad	0	0	0	0	0	0	0	0	0	0
	Haveri	0	0	0	0	0	0	0	0	0	0
	Mysore	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 Dharwad, the sown cotton is at second picking to termination stage. Jassid and aphids were in moderate status. Pink bollworm infestation around 38 to 72% in all districts. *Alternaria* leaf blight and grey mildew were also noticed in moderate status.


At Raichur, the crop is at bursting stages based on the dates sown. First, second and third picking is in progress as per the dates sown. Pink bollworm attack was recorded in very late sown crop.

At Chamarajanagar, picking is completed.

Advisory:

At Dharwad, farmers are advised to 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 against pink bollworm on wherever ETL crossed. Foliar spray of Carbendazim 12%+ 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%+Pyraclostrobin 5% WG @20 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 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, 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. Apply foliar spray 13-0-45 (Potassium nitrate) @ 10 grams for 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/ January				
		22	23	24	25	26	28	29	30	31	01
	Perambalur	0	0	0	5.4	0	0	2	2	2	0
	Salem	0	0	0	1	0	0	0	1	1	0
	Trichy						0	2	2	2	0
	Virudhunagar	1	0	0	0	0	0	1	4	4	4
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 is in progress in early sown fields. 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. Incidence of jassid were noticed in

some cotton fields. Stem weevil and root rot complex were prevalent in few areas. Bacterial leaf blight and grey mildew were recorded in some areas.

Advisory:

At Coimbatore, farmers are advised to harvest the fully burst bolls and sort out the good quality bolls. 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 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@30 g/10 litres of water to manage grey mildew and leaf spot disease in cotton. Field should be kept free from Parthenium weeds and thrips management is necessary to prevent the spread of TSV in cotton. Collect and destroy diseased bolls and crop debris from the fields.

At Srivilliputhur, farmers are advised to stop irrigation and provide adequate drainage facility as medium rain fall is expected in forthcoming days. 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 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 12%+Mancozeb 63% WP@0.3% or Kresoxim methyl 44.3SC@ 0.1% or Azoxystrobin 18.2% w/w + Difenconazole 11.4%w/w SC @0.1% to manage leaf spot and grey mildew disease. Spot drench with Carbendazim 50WP@12g/10 litres of water to early symptomatic root rot affected and surrounding plants. Apply foliar spray of Copper oxychloride 50WP/WG@30 g/10 litres of water to manage bacterial blight in cotton.

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.