



**XXXI Weekly Advisory for Cotton Cultivation from 19<sup>th</sup> to 25<sup>th</sup> December, 2023**


PUNJAB		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		15	16	17	18	19	21	22	23	24	25
	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	
<b>Crop Condition:</b> At Bathinda and Faridkot, picking is completed in all the fields.											
<b>Advisory:</b> 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				
		15	16	17	18	19	21	22	23	24	25
	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	
<b>Crop condition:</b> At Hisar and Sirsa, picking is over in all the fields.											
<b>Advisory:</b> 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				
		15	16	17	18	19	21	22	23	24	25
	Ajmer	0	0	0	0	0	0	0	0	0	0
	Jodhpur	0	0	0	0	0	0	0	0	1	0
	Nagaur	0	0	0	0	0	0	0	0	1	0
	Pali	0	0	0	0	0	0	0	0	0	0
	Sri Ganganagar	0	0	0	0	0	0	0	0	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	
<b>Crop condition:</b> In Southern Rajasthan (Banswara, Bhilwara, Chittorgarh, Dungarpur, Pratapgarh, Rajsamand and Udaipur) and Sriganganagar and Hanumangarh, picking is completed.											

**Advisory:**

Collection and destruction of diseased, infested bolls and infected crop debris from the fields


ODISHA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		15	16	17	18	19	21	22	23	24	25
	Koraput	0	0	0	0	0	0	0	0	0	0
	Kalahandi	0	0	0	0	0	0	0	0	0	0
	Balangir	0.9	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 final harvesting stage. Picking is in progress. 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 pick only completely burst 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. Sprays of insecticides and fungicides can be taken up only if 8-10 green bolls are available per plant. In case of pink bollworm crossing ETL, spray the crop with Cypermethrin 10% EC@300 ml/acre or Cypermethrin 25% EC @200 ml/acre or Lambda cyhalothrin 5% EC @200 ml/acre or Deltamethrin 2.8 EC@200 ml/acre or Fenpropathrin 10% EC@300-400 ml/acre or Fenvalerate 20 EC @200 ml/acre or Alphacypermethrin 10% EC@120 ml/acre. Apply foliar spray of Copper oxychloride 50 WP@25-30 g/10 litres of water to manage bacterial blight disease. To control grey mildew, give foliar spray of Carbendazim 12%+ Mancozeb 63% WP @30 g or Azoxystrobin 18.2% w/w +Difenoconazole 11.4% w/w SC @10 ml or Kresoxim-methyl 44.3 % SC@10 ml/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				
		15	16	17	18	19	21	22	23	24	25
	Amreli	0	0	0	0	0	4	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	3	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 was noticed in medium to high status and boll rot in low to medium status.

At Junagadh, the sown crop is at boll opening stage. Second picking is almost completed. Heavy attack of pink bollworm has been recorded in many places. Incidence of *Alternaria* leaf blight were 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. Sprays of insecticides and fungicides can be taken up only if 8-10 green bolls are available per plant. Spray Cypermethrin 10 % EC @ 10-15 ml Or Cypermethrin 25% EC @4-6 ml Or Lambda cyhalothrin 5% EC @10 ml Or Deltamethrin 2.8 EC@10 ml Or Fenprothrin 10% EC @15-20 ml or Fenvalerate 20 EC @10 ml Or Alphacypermethrin 10% EC @6 ml per 10 litres of water wherever pink bollworm crosses ETL ( $\geq 10\%$  green boll infestation). 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. 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 + Difenoconazole 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. Collect and destroy alternate hosts and scattered infested mealybug plants, if found. Utilize cotton stalk for composting at the earliest possible to minimize carryover of pink bollworm. Do not store in heaps on field bunds or around colonies. After harvest of the cotton crop, use shredder as an effective tool to manage the crop residue to minimize the population of pink bollworm and others. Destroy boll rot, diseased crop debris and leftover residues away from the cotton fields to check further and reduce the level of inoculum of pathogen.

At Junagadh, spray Cypermethrin 10% EC @10-15 ml or Cypermethrin 25% EC @4-6 ml or Lambda cyhalothrin 5% EC@ 10 ml or Deltamethrin 2.8 EC @ 10ml or Fenprothrin 10% EC @15-20 ml or Fenvalerate 20 EC @10 ml or Alphacypermethrin 10% EC @ 6 ml/10 litres of water wherever pink bollworm crosses ETL ( $\geq 10\%$  green boll infestation). 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, *Alternaria* leaf spot and *Corynespora* leaf spots, 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 + Difenoconazole 11.4% w/w SC @10 ml or Metiram 55 %+Pyraclostrobin 5% WG @20 g/10 litres of water. To manage grey mildew, give foliar spray of Azoxystrobin 18.2% w/w+ Difenoconazole 11.4% w/w SC @10 ml or Kresoxim methyl 44.3% SC@10 ml or Carbendazim 12%+Mancozeb 63% WP@30 g/10 litres of water. Sprays of insecticides and fungicides can be taken up only if 8-10 green bolls are available 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)				
		December					December				
		15	16	17	18	19	21	22	23	24	25
	Khargaon										
	Dhar	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. Terminate the crop once it is beyond 180 days. 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. 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. Do not leave the crop after 180 days. Collection and destruction of diseased, infested bolls and infected crop debris from the fields

MAHARASHTRA		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		15	16	17	18	19	21	22	23	24	25

	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 crop is 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 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. Jassids and pink bollworm infestation were noticed above ETL in some fields.


### Advisory:

At Akola, farmers are advised to complete picking of cotton the end of December to avoid pink bollworm attack in next season. If pink bollworm incidence crosses ETL, spray Cypermethrin 10% EC @10-15 ml Or Cypermethrin 25% EC @4-6 ml Or Lambda cyhalothrin 5% EC @10 ml Or Deltamethrin 2.8 EC @10ml Or Fenprothrin 10% EC@15-20 ml or Fenvalerate 20 EC @ 10 ml Or Alphacypermethrin 10% EC @ 6 ml/10 litres of water. To manage leaf spots and grey mildews, spray 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. Sprays of insecticides and fungicides can be taken up only if 8-10 green bolls are available per plant. Collect and destroy diseased bolls and crop debris from the fields. After harvest of early *Bt* cotton varieties, take up rabi crops like Chickpea or wheat if irrigation facility is available to reap more monetary benefit. Collection and destruction of diseased, infested bolls and infected 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. 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@ 30 g/10 litres of water to manage grey mildew and leaf spot disease in cotton. Sprays of fungicides can be taken up only if 8-10 green bolls are available per plant. 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, if incidence of pink bollworm crosses ETL, spray Cypermethrin 10% EC @10-15 ml Or Cypermethrin 25% EC @4-6 ml Or Lambda cyhalothrin 5% EC @10 ml Or Deltamethrin 2.8 EC @10 ml Or Fenprothrin 10% EC @15-20 ml or Fenvalerate 20 EC@10 ml Or Alphacypermethrin 10% EC @6 ml/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@30 g/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 50 WP @4 g or Propiconazole 25 EC@10 ml or Metiram 55%+Pyraclostrobin5% 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 to manage boll rot disease complex. Sprays of insecticides and fungicides can be taken up only if 8-10 green bolls are available per plant. 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				
		15	16	17	18	19	21	22	23	24	25
	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. Incidence of pink bollworm i.e., 40-50 % was recorded above ETL.

#### Advisory:

At Adilabad, if incidence of pink bollworm crosses ETL, spray Cypermethrin 10% EC@10-15 ml or Cypermethrin 25% EC@4-6 ml or Lambda cyhalothrin 5%EC @10 ml or Deltamethrin 2.8 EC@10ml or Fenpropathrin 10% EC @15-20 ml or Fenvalerate 20 EC @10 ml or Alphacypermethrin 10% EC @6 ml/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 @30 g/10 litres of water to manage grey mildew and leaf spot disease in cotton. Spray 13-0-45@ 10 g per litres of water every 10 days interval to improve the boll size and arrest boll drop problem. Sprays of insecticides and fungicides can be taken up only if 8-10 green bolls are available per plant. 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 pink bollworm residue from the stubbles. If irrigation facility is available, go for crops like sesamum, maize, green gram or groundnut. Collect and destroy diseased, infested bolls and infected crop debris from the fields.

ANDHRA PRADESH		Actual Rainfall in last week(mm)					Predicted Rainfall in next week (mm)				
		December					December				
		15	16	17	18	19	21	22	23	24	25
	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. Two pickings are over in majority of the fields. Third picking is in progress. Pink bollworm was less in the two pickings in majority of the fields, however third picking may encounter pink bollworm above ETL coupled with boll rot due to recent rains.

At Nandyal, picking is completed and crop is over.

#### Advisory:

At Guntur, farmers are advised to spray Cypermethrin 10% EC@10-15 ml or Cypermethrin 25% EC@4-6 ml or Lambda cyhalothrin 5%EC @10 ml or Deltamethrin 2.8 EC@10ml or Fenpropathrin 10% EC @15-20 ml or Fenvalerate 20 EC @10 ml or Alphacypermethrin 10% EC @6 ml/10 litres of water against pink bollworm only if 8-10 green bolls are available per plant. Run the shredder after grazing of leftover bolls, squares etc., by animals. 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				
		15	16	17	18	19	21	22	23	24	25
	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% was noticed 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@10-15 ml or Cypermethrin 25% EC@4-6 ml or Lambda cyhalothrin 5%EC @10 ml or Deltamethrin 2.8 EC@10ml or Fenprothrin 10% EC @15-20 ml or Fenvalerate 20 EC @10 ml or Alphacypermethrin 10% EC @6 ml/10 litres of water against pink bollworm only if 8-10 green bolls are available per plant. 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%+Pyraclostrobin 5% 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, farmers are advised to spray Cypermethrin 10% EC@10-15 ml or Cypermethrin 25% EC@4-6 ml or Lambda cyhalothrin 5%EC @10 ml or Deltamethrin 2.8 EC@10ml or Fenprothrin 10% EC @15-20 ml or Fenvalerate 20 EC @10 ml or Alphacypermethrin 10% EC @6 ml/10 litres of water against pink bollworm only if 8-10 green bolls are available per plant. 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				
		15	16	17	18	19	21	22	23	24	25
	Perambalur	0	3.4	23.6	2.2	0	3	2	2	0	0
	Salem	0	0	0	0	0	0	2	0	0	0
	Trichy						4	2	2	0	0
	Virudhunagar	0	0	2	145	14	14	4	8	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 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 jassid was 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. Store stained, discoloured and insect attacked bolls separately. Remove *Parthenium* weeds from the field. Wherever, pink bollworm has crossed ETL, spray

Profenophos 50 EC @ 600 ml/acre or Chlorpyrifos 20 EC @ 500 ml or Quinalphos 20 AF@400 ml/acre or Emamectin benzoate 5 SG@100 g/acre Indoxacarb 14.5 SC @ 200 ml/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 25 EC @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. Apply foliar spray of Copper oxychloride 50 WP/WG@30 g/10 litres of water to manage bacterial blight in cotton. Spot drench with Carbendazim 50 WP@12 g/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. Apply foliar spray of Copper oxychloride 50 WP/WG @ 25-30 g/10 litres of water to manage bacterial leaf blight disease. Field should be kept free from *Parthenium* weeds and manage thrips to prevent the spread of TSV in cotton. Collection and destruction of diseased, infested bolls and infected 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 50 WG@ 80 g/acre or Diafenthiuron 50 WP@ 250 g/acre or Imidacloprid 17.8 SL@ 60 ml/acre or Thiamethoxam 25% WG @ 40 g/acre against sucking pests if their population crosses ETL. Wherever, pink bollworm crosses ETL, spray Profenophos 50 EC @600 ml/acre or Chlorpyrifos 20 EC @500 ml or Quinalphos 20 AF@400 ml/acre or Emamectin benzoate 5 SG@100 g/acre, Indoxacarb 14.5 SC@200 ml/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 25 EC@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 disease. 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 disease. Spot drench with Carbendazim 50 WP@12 g/10 litres of water to early symptomatic root rot affected and surrounding plants. Apply foliar spray of Copper oxychloride 50 WP/WG @ 25-30 g/10 litres of water to manage bacterial leaf blight disease. Collection and destruction of diseased, infested bolls and infected crop debris from the fields.

Detailed information regarding cotton production technology, e.g. selection of soil, varieties, fertilizer application, sowing methods, irrigation systems, management of weeds, insect pests and diseases, etc. can be availed from an android based **CICR Cotton App** developed by ICAR-CICR, Nagpur. The app can be downloaded free of cost from Google play store. Additionally, the crop growth stage specific and weather based weekly advisory are uploaded on the website of ICAR-CICR also to be consulted for the benefit of farmers.