XXIX Weekly Advisory for Cotton Cultivation from24th to 30th December ‘2024

**North Zone: Crop season completed**

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| **ODISHA** | **Actual Rainfall in last week (mm)** | **Predicted Rainfall in next week (mm)** |
| **December** | **December** |
| **13** | **14** | **15** | **16** | **17** | **19** | **20** | **21** | **22** | **23** |
| Pinterest | Koraput | 0 | 0 | 0 | 0 | 0 | 10 | 5 | 1 | 0 | 0 |
| Kalahandi | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 1 | 0 | 0 |
| Balangir | 0 | 12 | 9.2 | 0 | 0 | 2 | 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:**In Odisha state, crop is at harvesting stage, final picking is under completion. Recent incidence of pink bollworm has been reported from many parts of the State (1-2% green boll damage) but below ETL. Incidence of grey mildew reported from all cotton growing districts and bacterial leaf blight reported from many places. |
| **Advisory:**Farmers of the cotton growing regions of Odisha state, are advised to continue picking where bolls are fully opened. Harvested seed cotton may be dried on concrete floor or tarpaulin sheets to reduce moisture to 8-10%. Collect and destroy the damaged bolls and plants due to pest and diseases. Regularly monitor the crop to know about incidence of any pest and diseases**.** Whenever pink bollworm population cross ETL, spray the insecticide such as Cypermethrin 10% EC @250 ml/acre Or Cypermethrin 25% EC @ 100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC@ 200 ml/acre Or Fenpropathrin 10% EC @350 ml/acre Or Fenvalerate 20% EC @200 ml/acre Or Alphacypermethrin 10% EC @120 ml/acre. Once final picking is over, remove all cotton plants from the field to reduce pink boll worm multiplication. |

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| **GUJARAT** | **Actual Rainfall in last week (mm)** | **Predicted Rainfall in next week (mm)** |
| **December** | **December** |
| **13** | **14** | **15** | **16** | **17** | **19** | **20** | **21** | **22** | **23** |
| Map of Gujarat - Map | Amreli | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 2 |
| Bhavnagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 3 |
| 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 | 5 | 7 | 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 | 5 | 0 |
| Patan |  |  |  |  |  | 0 | 0 | 0 | 0 | 0 |
| Mehsana |  |  |  |  |  | 0 | 0 | 0 | 0 | 0 |
| Amount of rainfall & colour Code | 0.1 to 2.4 mm |  |  |  |  |  |  |  |  |  |  |
| Rainfall category | Very light rainfall | Light rainfall | Moderate rainfall | Heavy rainfall | Very heavy rainfall |
| **Crop Condition:**At Surat, sown crop is at harvest stage. Second picking is in progress. Plant protection measures were taken up. Cotton aphids and pink bollworm incidence were noticed above ETL. Red cotton bug population was scattered in fields. Bacterial leaf blight and boll rot were recorded at moderate to high level and leaf reddening at low to high in different hybrids.At Junagadh, the sown crop is at boll bursting stage. Picking is in progress. Aphid infestation has been observed in many places. Pink bollworm infestation crossed ETL. *Alternaria* leaf spot was also recorded in majority of the fields. Black sooty mold was also observed.  |
| **Advisory:**At Surat, farmers are advised to initiate picking of cotton when the seed cotton is dry without dew. Separate infested and non-infested seed cotton to get better prices. Whenever pink bollworm population cross ETL and at least average 8-10 green bolls are present per plant, spray any of the insecticides like Cypermethrin 10% EC @250 ml/acre Or Cypermethrin 25% EC @ 100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC@ 200 ml/acre Or Fenpropathrin 10% EC @350 ml/acre Or Fenvalerate 20% EC @200 ml/acre Or Alphacypermethrin 10% EC @120 ml/acre. Further, to prevent the incidence of diseases like grey mildew and *Corynespora* target leaf spot, spray Kresoxim methyl 44.3 SC @10 ml or Propiconazole 25 EC @10 ml or (Metiram 55% + Pyraclostrobin 5% WG) @20 g or (Azoxystrobin18.2% w/w + Difenoconazole 11.4% w/w SC) @ 10 ml or (Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC) @ 6 ml in 10 litres of water. At Junagadh, whenever pink bollworm population crosses ETL, and at least average 8-10 green bolls are present per plant, farmers are advised to spray any of the insecticides like Cypermethrin 10% EC @250 ml/acre Or Cypermethrin 25% EC @ 100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC@ 200 ml/acre Or Fenpropathrin 10% EC @350 ml/acre Or Fenvalerate 20% EC @200 ml/acre Or Alphacypermethrin 10% EC @120 ml/acre.  |

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| **MADHYA PRADESH** | **Actual Rainfall in last week (mm)** | **Predicted Rainfall in next week (mm)** |
| **December** | **December** |
| **13** | **14** | **15** | **16** | **17** | **19** | **20** | **21** | **22** | **23** |
| Create Custom Madhya Pradesh Map Chart with Online, Free Map Maker. | Khargone |  |  |  |  |  |  |  |  |  |  |
| Dhar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 1.3 | 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 204.4 |
| Rainfall category | Very light rainfall | Light rainfall | Moderate rainfall | Heavy rainfall | Very heavy rainfall |
| **Crop Condition:**At Khandwa, the sown crop is at picking stage. Picking is in progress in majority of the fields.  |
| **Advisory:**At Khandwa, farmers are advised to keep picked cotton on clean cloth or tarpaulin. Avoid mixing of pieces of dry leaves, stalks and soil while picking the lint which would deteriorate the quality of lint. Spread the cotton in sunlight to reduce the moisture content wherein excess moisture harms the quality of lint as well as seed. Do not pick partially opened, undeveloped bolls or bolls containing moisture. Storage area should be well ventilated and Pucca. If required, carry out fumigation of store house before storing the lint. Fertilizers, cattle feeds, agricultural chemicals should be avoided with lint. In fields where crop has been completed, rabi crop has been sown. In these areas, do not keep stalks of cotton plants in the fields. Shred the cotton stalks after last picking with mobile cotton shredder. Terminate the crop by the end of December and destroy crop residue. If irrigation facilities are available, take up rabi crop as rotation. |

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| **MAHARASHTRA** | **Actual Rainfall in last week (mm)** | **Predicted Rainfall in next week (mm)** |
| **December** | **December** |
| **13** | **14** | **15** | **16** | **17** | **19** | **20** | **21** | **22** | **23** |
| Maharashtra Map png images | PNGWing | Dhule | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12 | 3 |
| Nandurbar |  |  |  |  |  | 0 | 0 | 9 | 7 | 2 |
| Jalgaon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10 | 3 |
| Ahmednagar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 15 | 4 |
| Aurangabad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 20 | 6 |
| Jalna | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 12 | 5 |
| Beed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 5 |
| Nanded | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 |
| Parbhani | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 6 |
| Hingoli | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 |
| Buldhana | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0 | 18.7 | 14.7 |
| Akola | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.7 | 16.4 |
| Washim | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.7 | 11.5 |
| Amravati | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.7 | 15.4 |
| Yavatmal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.4 | 11.2 |
| Wardha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.6 | 13.2 |
| Nagpur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17.6 | 16.7 |
| Chandrapur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 6.8 |
| 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 sown crop is at picking stage. Cotton picking is in progress in most of the fields. At Nanded, the crop has been completed.At Rahuri, the crop is at picking stage. Picking is completed in majority of the fields. Final picking is in progress.  |
| **Advisory:**At Akola, farmers are advised to complete picking of cotton by end of this month (December) to avoid PBW attack in next season. After harvesting of early *Bt* cotton varieties, take up rabi crop of either Chickpea or wheat if irrigation facility is available. Give priority for clean picking of cotton. Shred the cotton stalks after last picking with mobile cotton shredder.At Nanded, farmers are advised to dry the picked cotton before storage and store cotton of individual picking and hybrids separately. Terminate the crop by the end of December and shred the cotton stalks after last picking with mobile cotton shredder. If irrigation facilities are available, take up sowing of wheat or other crop as rotation.At Rahuri, farmers 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. Keep the pheromone traps for PBW till the last picking gets over. Terminate the crop by end of December to avoid pink bollworm incidence in next season and allow the cattle and sheep to graze the remaining stubbles and bad opened bolls. Shred the cotton stalks after last picking with mobile cotton shredder. |

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| **TELANGANA** | **Actual Rainfall in last week (mm)** | **Predicted Rainfall in next week (mm)** |
| **December** | **December** |
| **13** | **14** | **15** | **16** | **17** | **19** | **20** | **21** | **22** | **23** |
| Telangana Map Photo Paper Print Poster Photographic Paper 12Inch X 18 Inch  Photographic Paper - Maps posters in India - Buy art, film, design, movie,  music, nature and educational paintings/wallpapers at Flipkart.com | Adilabad | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.4 | 2.9 | 1.2 |
| Warangal | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.5 | 2 | 0.2 | 0 |
| Khammam | 0 | 0 | 0 | 0 | 0 | 5.3 | 0.6 | 2.6 | 0 | 0 |
| Karimnagar | 0 | 0 | 0 | 0 | 0 | 0.1 | 2.4 | 1.3 | 0.8 | 0 |
| Mahabubnagar | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.7 | 1 | 0.4 | 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 Warangal, picking is completed. At Adilabad, the sown crop is at harvest stage. Picking is in progress. Pest management has been taken up.  |
| **Advisory:**At Warangal, once cotton harvesting is completed, incorporate stubbles with rotavator or shredder. Terminate the crop by the end of December and destroy crop residue. If irrigation facilities are available, take up rabi crop as rotation.At Adilabad, if pink bollworm crosses ETL, and at least average 8-10 green bolls are present per plant, spray any of the insecticide such as Cypermethrin 10% EC @ 250 ml/acre Or Cypermethrin 25% EC @100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Terminate the crop by the end of December and destroy crop residue. If irrigation facilities are available, take up rabi crop as rotation. |

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| **ANDHRA PRADESH** | Actual Rainfall in last week(mm) | Predicted Rainfall in next week (mm) |
| **December** | **December** |
| **13** | **14** | **15** | **16** | **17** | **19** | **20** | **21** | **22** | **23** |
| Andhra Pradesh - State Series - Know Your State - UPSC | Guntur | 0 | 0 | 3 | 0 | 0 | 12 | 5 | 5 | 0.1 | 0 |
| Prakasam | 0.4 | 0 | 0 | 0 | 0 | 22 | 20 | 15 | 2 | 0.3 |
| 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 crop is at boll formation stage. Intercultural operations were carried out in the fields. Incidence of aphids, leaf hoppers and pink bollworm were above ETL in the farmers’ fields. At Nandyal, the crop is terminated. |
| **Advisory:**At Guntur, farmers are advised to spray Flonicamid 50% WG @ 80 g/acre or Dinotefuran 20% SG @ 60 g/acre or Imidacloprid 17.8% SL @ 60 ml/acre Or Tolfenpyrod 15% EC @ 400 ml/acre Or Fenpyroximate 5% EC @ 300 ml/acre to control sucking pests. If pink bollworm crosses ETL apply a spray of Cypermethrin 10% EC @ 250 ml/acre Or Cypermethrin 25% EC @100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC @ 200 ml/acre Or Fenpropathrin 10% EC @350 ml/acre Or Fenvalerate 20% EC @ 200 ml/acre Or Alphacypermethrin 10% EC @ 120 ml/acre. Give follow up spray for PBW management after 15 days of previous spray. Foliar spray of Propiconazole 25 EC@1 ml or (Pyraclostrobin 5% + Metiram 55% WG) @2.0 g or (Azoxystrobin 18.2% + Difenoconazole 11.4% SC) @1 ml or (Fluxapyroxad 167 g/litre + Pyraclostrobin 333 g/litre SC) @0.6 ml/litre of water or (Carbendazim 12% + Mancozeb 63% WP) @ 2.5-3.0 g/litre of water to prevent foliar diseases. At Nandyal, farmers are advised to collect and destroy diseased bolls and crop debris from the field to check carryover of pathogens in cultivated fields. Shred the cotton stalks as final picking is over and crop is terminated.  |

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| **KARNATAKA** | Actual Rainfall in last week (mm) | Predicted Rainfall in next week (mm) |
| **December** | **December** |
| **13** | **14** | **15** | **16** | **17** | **19** | **20** | **21** | **22** | **23** |
| Karnataka Government | Dharwad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Haveri |  |  |  |  |  | 0 | 0 | 0 | 0 | 0 |
| Mysore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 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, picking is in progress. Cotton jassid and aphids incidence were in moderate to severe status. Boll damage due to pink bollworm ranged between 38 to 43 per cent. At Raichur, the sown crop is at boll bursting/ picking stage. Sucking pest and pink bollworm incidence was recorded in very late sown crop.At Chamarajanagar, the crop season is completed.  |
| **Advisory:**At Dharwad, if the infestation of sucking pests seen above ETL, farmers are advised to spray Flonicamid 50% WG @ 80 g/acre or Dinotefuran 20% SG @ 60 g/acre or Imidacloprid 17.8% SL @ 60 ml/acre Or Tolfenpyrod 15% EC @ 400 ml/acre Or Fenpyroximate 5% EC @ 300 ml/acre. If pink bollworm crosses ETL (8 moths per night for consecutive 3 days or 10% green boll infestation) apply a spray of any of the insecticide such as Cypermethrin 10% EC @ 250 ml/acre Or Cypermethrin 25% EC @100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC @ 200 ml/acre Or Fenpropathrin 10% EC @350 ml/acre Or Fenvalerate 20% EC @ 200 ml/acre Or Alphacypermethrin 10% EC @ 120 ml/acre. Foliar spray of Kresoxim-methyl 44.3% SC @ 10 ml or (Azoxystrobin 18.2% w/w + Difenoconazole 11.4% w/w) SC @ 10 ml /10 litres of water to manage grey mildew disease.At Raichur, farmers who have sown early, are advised to take up second picking at the earliest possible to avoid rotting of bolls due to fog. Initiate first picking in the fields of late sown cotton. Very late sown crop (115 to 125 DAS) is recommended with 13:0:45 @ 10 grams in 1 litre of water for better boll retention and good boll size. Wherever sucking pests found above ETL, spray Flonicamid 50 % WG @ 80 g/acre Or Imidacloprid 17.8% SL @ 60 ml/acre or Dinotefuran 20% SG @ 60 g/acre or Buprofezin 25 SC @ 400 ml/acre. Spray Cypermethrin 10% EC @ 250 ml/acre Or Cypermethrin 25% EC @100 ml/acre Or Lambda cyhalothrin 5% EC @ 200 ml/acre Or Deltamethrin 2.8 EC @ 200 ml/acre Or Fenpropathrin 10% EC @350 ml/acre Or Fenvalerate 20% EC @ 200 ml/acre Or Alphacypermethrin 10% EC @ 120 ml/acre against pink bollworm.  |

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| **TAMIL NADU** | Actual Rainfall in last week (mm) | Predicted Rainfall in next week (mm) |
| **December** | **December** |
| **13** | **14** | **15** | **16** | **17** | **19** | **20** | **21** | **22** | **23** |
| Tamil nadu district map | Tamil Nadu Government Portal | Perambalur | 0 | 6 | 0 | 0 | 0 | 4 | 8 | 22 | 12 | 10 |
| Salem | 0 | 0.5 | 6 | 0 | 0 | 3 | 4 | 6 | 4 | 3 |
| Trichy |   |   |   |   |   | 3 | 8 | 20 | 10 | 10 |
| Virudhunagar |   |   |   |   |   | 3 | 3 | 12 | 18 | 5 |
| 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 at boll maturity stage. Picking has started in early sown crop. Pink bollworms were controlled using remedial measures. Root rot and boll rot were recorded in the fields.At Srivilliputhur in and around fields, the sown cotton is at boll development stage. Incidence of cotton leaf hopper, stem weevil and root rot complex were recorded in the fields. |
| **Advisory**At Coimbatore and surrounding areas, farmers are advised to maintain the cotton fields and bunds without weeds to avoid hindrance of the weeds during harvest. Pick well matured bolls and insect damaged, discoloured bolls, sort out and store them separately. Monitor the crop scrupulously for pest and disease incidence. Install yellow sticky traps 8-10/acre to monitor whitefly and jassid incidence. Install pheromone traps @ 2/acre to monitor pink bollworm. In non-Bt cotton (varieties), spray Chlorantraniliporle 18.5% @ 150 ml/ha or Flubendiamide 39.35% SC @ 125 ml/ ha to control spotted bollworm (*Erias vitella)*. In case of sucking pests above ETL, spray Flonicamid 50 % WG @ 80 g/acre Or Imidacloprid 17.8% SL @ 60ml/acre or Dinotefuran 20% SG @ 60 g/acre or Buprofezin 25 SC @ 400 ml/acre. Apply foliar spray of (Metiram 55% + Pyraclostrobin 5%) WG @ 2.0 g/litre or Propineb 70% WP @ 2.5-3 g/litre or Propiconazole 25 EC @1 ml/litre or Carbendazim 50 WP @1.0 g/ litre of water to reduce the severity of *Alternaria* leaf blight incidence. Foliar spray of *Pseudomonas fluorescens* 0.5 % WP@0.2% is suggested to manage bacterial leaf blight. Manage TSV incidence through vector (thrips) control by spraying insecticides like Thiamethoxam 25% WG @ 40 g/acre Or Spinetoram 11.7% SC @ 170 ml/acre Or Profenofos 50% EC @ 600 ml/acre. Drench the soil with *Trichoderma harzianum* @ 5 ml/litre of water to manage soil-borne diseases. Cotton fields should be cleaned and kept free from *Parthenium* weeds which serve as the source of TSV inoculum. At Srivilliputhur in and around fields, farmers are advised to take up hand weeding to control early emerged weeds. As medium rainfall is expected in coming days, stop irrigation and provide adequate drainage facility. Monitor the crop scrupulously for pest and disease incidence. Wherever sucking pests found above ETL, spray Flonicamid 50 % WG @ 80 g/acre Or Imidacloprid 17.8% SL @ 60 ml/acre or Dinotefuran 20% SG @ 60 g/acre or Buprofezin 25 SC @ 400 ml/acre. Install pheromone traps @ 2/ acre to monitor pink bollworm. Drench collar region with Chlorpyrifos 50 EC @ 2.5 ml + Carbendazim 50 WP@1.2 g/litres of water followed by earthing up to prevent stem weevil and root rot damage. |

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