### Collar Rot on Chilli
*Sclerotium rolfsii, Phytophthora spp., Fusarium solani, Pythium spp., Rhizoctonia spp.* (*“Kaluthalukal”* – Tamil; *“Padasthakunuveema”* - Sinhala)

### Prevention
- Infected crops should be uprooted with soil and destroyed.
- Use cleaned farm equipment
- Soil sterilization
  - Deep plough and expose affected soil to bright sunlight for at least one month (in dry season)
- Improve drainage (make well designed irrigation & drainage system)
  - Establishment of drenches
  - Avoid basin irrigation
  - Ridge and furrow method
- Addition of organic matter
- Crop rotation with
  - Finger millet
  - Maize
  - Yams
- Avoid favourable conditions for pathogen
  - Plant after rainy season
  - Reduce plant density

### Monitoring
- Regular field visits at an interval of every 03 days
- Observe characteristic symptoms
  - Yellowing and wilting of plants as isolated patches
  - Fungal mycelium on collar region of plants & roots
  - Depressed water-soaked sunken lesions in the stem
  - After pulling out of affected crop, tan brown sclerotia visible with mycelial growth (when it is caused by *Sclerotium* spp.).
- Start disease management strategies at the first appearance of symptoms

### Direct Control
- Remove and burn affected plants with soil
- Avoid irrigation through infected areas to do isolation of host plant.
- Improve drainage during heavy rain
- Apply fungicide as soil drench to infected area & surrounding healthy plants only.
- **Thiram 80% WP**
  - 70 g/50 l for 10 m²
- **Thiophanate-methyl 70% WP**
  - 30 g/50 l of water for 10 m²
  - WHO class U (unlikely present to acute hazard in normal use)
  - Max. no. of seed treatment: 1/seed batch

### Restrictions
- Do not drench when rain imminent
- **WHO class II** (moderately hazardous)
- Very toxic to aquatic animals
- **WHO class U** (Unlikely present to acute hazard in normal use)

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*Sri Lanka*

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[Image of Collar Rot symptoms on plant](http://www.forestryimages.org/browse/detail.cfm?imgnum=5359712)  
[Image of Collar Rot symptoms on chilli crop](http://www.forestryimages.org/browse/detail.cfm?imgnum=1573402)  
[Image of Collar Rot symptoms](http://www.forestryimages.org/browse/detail.cfm?imgnum=1573408)