## Green scale on coffee

*Coccus alpinus/C. viridis*

### Prevention
- Pruning to remove old branches and leaves so as to enhance aeration.
- Improve shade by sparsely planting shade crops such as *Graveillia* spp. *Leucaena* spp. *Macadamia* spp. to enhance the tri trophic interaction in the ecosystem e.g. *Cryptolaemus montrouzieri, Verticillium lecanii*.
- Avoid planting host plants as wind breaks. Such as avocados, guavas, pineapples, citrus etc.

### Monitoring
- Scout immediately after transplanting.
- Inspect green wood and leaves (underside) especially along main leaf vein and near tips of green shoots.
- Institute control measures when 10 or more leaves are infested with one or more scales.

### Direct Control
- Spray with petroleum oils immediately after the crawlers have emerged.
- Apply mineral oils at 200mls per 20 lt of water.
- Spray with soapy solution (potassium soaps) (add 10-15 table spoon full of liquid soap in 20lt bucket and spray). Spray only on the affected plants.
- Apply at the base of the stem a chemical mixture with a brush (1 foot from the base) with a 15 cm wide band. Use Deltamethrin (750 mls in 20 lt of water). Add 15g Methylene blue as a marker.

### Direct Control Restrictions
- WHO II (Highly hazardous)
- Mode of action: pyrethroid with contact with residual activity
- Toxic to aquatic organisms
- High risk to bees

### Restrictions
- WHO II (Highly hazardous)
- Mode of action: Organophosphate
- Toxic to aquatic organisms
- High risk to bees and livestock
- Dangerous to some beneficial insects

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**Kenya**

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