



Pheromone Chemicals

The name you can always trust

Mfrs: Pheromone Traps, Lures, Yellow sticky traps

1. **Aproaerema modicella** – The groundnut leaf miner is a pest of groundnut and soybean where yield losses of up to 30-50% are reported in groundnut. Eggs are laid singly on the underside of the leaves of groundnut, soybean and other leguminous plants. Young larvae mine the leaf and later instars exit the mine to web together several leaflets. In general larvae of *A. modicella* pass through five instars with the duration of larval development lasting between 9 to 28 days. Pupation occurs in webbed leaflets and is completed in 3 to 10 days. The number of generations per crop is highly variable and may vary from 2 to 7 generations depending on crop, season and climate. The pest is very sporadic with wide population fluctuations between generations and seasons. Temperatures in range of 25-30°C are very favorable for this pest.

Nature of Damage

Small blister like mines are seen on the upper leaf surface near mid rib. As the feeding advances, the mines increase in size and the entire leaflet becomes brown, rolls, shrivels and dries up. In severe cases the affected crop presents a burnt up appearance



Economic Threshold level (EIL's) of Groundnut leaf miner:

ETL is 2-3 larvae per plant.

ETL for *Aproaerema modicella* is 10 – 12 No's of moths per trap per day.

Use Pheromone Traps from 1 month crop stage to control pest at early stage.

Trap should be placed just above crop canopy to achieve optimum catch.

Always use Phero – SensorTM – Delta for best results.

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