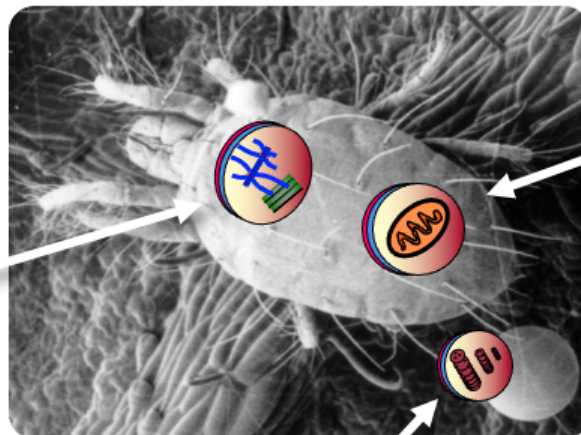


## Mites - Mode of Action Classification by Target Site



### Growth & Development Targets

- 10. Mite growth inhibitors affecting CHS1
  - 10A: *Clofentezine, Diflovidazin, Hexythiazox*
  - 10B: *Etoxazole*
- 15. Inhibitors of chitin biosynthesis affecting CHS1
  - Benzoylureas*
- 23. Inhibitors of acetyl-CoA carboxylase
  - Tetronic & Tetramic acid derivatives*

### Nerve & Muscle Targets

- 1. *Acetylcholinesterase (AChE) inhibitors*
  - 1A: *Carbamates*
  - 1B: *Organophosphates*
- 2. GABA-gated chloride channel blockers
  - 2A: *Cyclodiene Organochlorines*
- 3. Sodium channel modulators
  - 3A: *Pyrethrins, Pyrethroids*
- 5. Nicotinic acetylcholine receptor (nAChR) allosteric modulators – site I
  - Spinosyns*
- 6. Glutamate-gated chloride channel (GluCl) allosteric modulators
  - Avermectins, Milbemycins*
- 19. Octopamine receptor agonists
  - Amitraz*
- 32. Nicotinic acetylcholine receptor (nAChR) allosteric modulators Site II
  - GS-omega/kappa HXTX-HV1a Peptide*
- 30. GABA-gated chloride channel allosteric modulators
  - Isoxazolines*
- 33. Calcium-activated potassium channel (KCa2) modulators
  - Acynonapyr*

### Respiration Targets

- 12. Inhibitors of mitochondrial ATP synthesis
  - 12A: *Difenthiuron*
  - 12B: *Orqanotin miticides*
  - 12C: *Proparqite*
- 13. Uncouplers of oxidative phosphorylation via disruption of the proton gradient
  - Chlorfenapyr*
- 20. Mitochondrial complex III electron transport inhibitors – Qo site
  - 20B: *Acequinocyl*
  - 20C: *Fluacrypyrim*
  - 20D: *Bifenazate*
- 21. Mitochondrial complex I electron transport inhibitors
  - 21A: *METI acaricides*
- 25. Mitochondrial complex II electron transport inhibitors
  - 25A: *Cyenopyrafen, Cyflumetofen*
  - 25B: *Pyflubumide*
- 34. Mitochondrial complex III electron transport inhibitors – Qj site
  - Flometoquin*

### Unknown or uncertain MoA

- Benzoximate, Chinomethionat, Dicofol*

