

Nematode WG – Nematicide MOA Classification Groups

2 July 2019

MOA Group	Mode of Action	Chemical Structure Group	IRAC/FRAC MOA
N-1A N-1B	Nerve Action. Acetylcholinesterase (AChE) inhibitors	A. Carbamates, B. Organophosphates	IRAC: 1A, 1B
N-2	Nerve Action. Glutamate-gated chloride channel (GluCl) allosteric modulators	Avermectins	IRAC: 6
N-3	Mitochondrial complex II electron transport inhibitors. Succinate-coenzyme Q reductase.	Pyridinylmethyl-benzamides	FRAC: C2
N-4	Lipid synthesis, growth regulation. Inhibitors of acetyl CoA carboxylase	Tetronic and Tetramic acid derivatives	IRAC: 23
N-UN	Compounds of unknown or uncertain MoA	Various chemistries	
N-UNX	Compounds of unknown or uncertain MoA: Presumed multi-site inhibitor	Various fumigants	IRAC: 8
N-UNB	Bacterial agents (non-Bt) of unknown or uncertain MoA	Bacterium or Bacterium-Derived	
N-UNF	Fungal agents of unknown or uncertain MoA	Fungus or Fungus-Derived	
N-UNE	Botanical or animal derived agents including synthetic, extracts and unrefined oils with unknown or uncertain MoA	Botanical or Animal-Derived	