

Alright 16 SC

Emamectin benzoate 40g/L+ Indoxacarb 120g/L

Dual translaminar paralysis (avermectin) + mitochondrial uncoupler - broad-spectrum caterpillar knockdown

Application Rate: 150 ml
WHO Class II

IRAC 6 + 22A

Artic 10 SC

Etofenprox 10%

Pyrethroid - blocks sodium channels, disrupts nerve impulses causing paralysis and death in caterpillars

Application Rate: 500 ml
WHO Class II

IRAC 3A

Biomysis 1.15 WP

Metarhizium anisopliae 1.15%

Entomopathogenic fungus - spores penetrate cuticle, colonise and kill caterpillars; no resistance risk

Application Rate: 2-2.5 kg
WHO Class IV

IRAC UNF



Comite 360 SC

Chlorfenapyr 36%

Mitochondrial uncoupler - disrupts energy production in pest cells via contact and ingestion

Application Rate: 200 ml
WHO Class III

IRAC 13

Confirm 240 SC

Methoxyfenozide 24%

Ecdysone agonist IGR - mimics moulting hormone, disrupts caterpillar pupation and causes death

Application Rate: 500 ml
WHO Class III

IRAC 18

Convoy 20% EC

Chlorantraniliprole 20%

Diamide - activates ryanodine receptors causing irreversible muscle paralysis; DBM, FCM, Helicoverpa

Application Rate: 200 g
WHO Class III

IRAC 28

EABCL Contest 5.7 WDG

Emamectin Benzoate 5.7%

Avermectin with translaminar movement - causes paralysis in Lepidoptera, death by starvation

Application Rate: 125-250 g
WHO Class III

IRAC 6

Testcon 2.3% EC

Emamectin Benzoate 2.3%

Translaminar stomach action - paralysis; effective on FAW, Tuta absoluta and pod borers

Application Rate: 350 ml
WHO Class III

IRAC 6

Garland Max 30 WP

Cyromazine 5% + Monosultap 25%

Systemic IGR combo - interferes with moulting and pupation; contact, fumigative and ovicidal action

Application Rate: 0.5-1 kg
WHO Class III

IRAC 17 + 14

Afifen 10.8 EC

Pyriproxyfen 10.8%

Juvenile hormone mimic IGR - suppresses embryogenesis, inhibits metamorphosis and reproduction

Application Rate: 500 ml
WHO Class III

IRAC 7C

Biobat 0.5 WP

Bacillus thuringiensis var. kurstaki 0.5%

Bt protein toxin ingested - gut cell damage, paralysis; caterpillar stops feeding and dies (WHO IV - safe)

Application Rate: 1 kg
WHO Class IV

IRAC 11A



Nemaxe 300ppm EC/ Bioneem 300ppm EC

Azadirachtin 0.3 g/L

Anti-feedant + IGR - repels adult butterflies from greenhouse; disrupts egg-laying and larval growth

Application Rate: 2-2.5 L
WHO Class III

IRAC UNF

Bioneem 300ppm EC ★

* NEMAXE / Bioneem 300ppm EC - Greenhouse Butterfly / Adult Lepidoptera Repellant

Nemaxe/ Bioneem can be applied regularly as a preventive / repellant action against adult butterflies (egg-laying stage) inside the greenhouse
Nemaxe/ Bioneem deters egg-laying, repels adults and disrupts early larval growth. Rotate with contact insecticides for full lifecycle