

FACT SHEET

INSECTICIDES RECOMMENDED FOR CROPS IN FIJI - A GUIDE

Insecticides are chemicals used for controlling insect pest.

Insecticide	Active ingredients	Control	Rates	Pesticide Suppliers
AgChem BT Biological Insecticide	Bacillus thuringiensis, Bt 23.7% w/v	A highly selective insecticide for use against caterpillars (larvae) of Lepidopterous insects i.e., DBM (Diamond back moth), armyworms, tomato fruit worm & pod worm.	8g/16L Water 10g/20L Water With-holding period - Nil	AgChem Ltd
Match Insecticide	Lufenuron 500g/L	An insect growth inhibitor for the control of DBM in cabbages	12ml/20L Water With-holding period -14 days	MH Ltd.
Prevathon	Rynaxypyr 5% (51.5g/L) chlorantraniliprole in the form of suspension concentrate	DBM, LCM (large cabbage moth), pod borer, armyworms, cluster caterpillar, semi looper, centre grubs, cut worm, leaf roller, leaf miners	10 - 15 mL /10L of water With-holding period 7 days	AgChem Ltd
Multi-Guard 1.8EC Insecticide	Abamectin (18g/L; 1.8%) EC	For control of whiteflies, DBM, leaf miner, citrus rust mites, two-spotted spider mites and beetle on a range of fruits, vegetables and ornamental plants.	8mL - 10mL/16L water With-holding Period - 7 days	Hop Tiy & Co. Ltd
Suncloprid 20 SL Farmers Cloprid Confidor Garden Insecticide Confidor	ImidaCloprid 20% w/v ImidaCloprid 20% w/v ImidaCloprid 20% w/v ImidaCloprid 20% w/v	A systemic insecticide for the control of sucking insects like aphids, leafhoppers, thrips, whitefly, mealy bugs and scale insects in vegetables, citrus ornamentals, rice, fruit tree and control taro beetle. For taro beetle treatment, apply once at planting and after 3 months later at 100mL/ plant.	Vegetables- 25-50mL/100L water With-holding Period- 10days Dalo - 25mL/10L water	AgChem Ltd Sigatoka Chemicals Supplies Ltd. MH Ltd.
Hextar Carbacide 85	Carbaryl 800g/Kg in the form of a wettable powder	For control of armyworm, stem borer, leaf rollers and aphids on a range of vegetables crops and ornamental plants.	18g/10L of water With-holding period - 7 days	Hop Tiy & Co. Ltd.
Super-Guard 2.8EC Insecticide Farmthrin 2.5EC Suncis 25 EC	Deltamethrin w/w (28g/L) 2.8% Deltamethrin w/w 2.5% Deltamethrin 2.8% w/w	Pyrethroids, contact insecticides for the control of caterpillar, beetles, thrips, white butterfly, on a broad range of fruits and vegetables and ornamental plants. It is fast acting, stable and has moderate persistence on plants.	Knapsack: 8mL/16L 10mL / 20L With-holding period - 7 days	Hop Tiy & Co. Ltd. Sigatoka Chemicals Supplies Ltd. AgChem Ltd.
Diazinon 20 Hextar Mapa Diazinon 60	Diazinon 200g/L Diazinon 55%	For control of aphids, mites, leaf miners, leaf hoppers, flea beetles, leaf miners, earworm in rice, citrus, vegetables, tomatoes & watermelon.	Knapsack : 60mL/20L With-holding period - 14 days	MH Ltd. Hop Tiy & Co. Ltd.

Malathion 50 EC (Maldison).	500g/L w/v maldison	Organophosphate contact insecticide.	Knapsack : 40mL/14L	Hop Tiy & Co. Ltd & MH
Malathion 840	Malathion 84% w/w	For control of leaf hoppers, aphids, thrips, whitefly, mealy bugs and spider mites.	17mL/10L water With-holding period - 7 days	Hop Tiy & Co. Ltd
Chlorpyrifos 500 EC	500g/L Chlorpyrifos (anti-cholinesterase compound)	For control of wide range of insects pests include wireworm, white fly, mealy bugs, crickets, cutworm on fruits, vegetables, cereals, pasture and turf.	1mL/ L of water With-holding period - 7 days	Sigatoka Chemicals Supplies Ltd.
Steward 150 SC	Indoxacarb 150g/L	For control of caterpillars in cabbage, DBM, LCM, cluster caterpillar, semi looper, centre grubs, leaf miners, cut worms and web worms.	Knapsack: 5mL/10L water. Mist-blower: 2.5mL/L water With-holding period - 7 days	AgChem Ltd.
Bifenthrin 8 SC	Bifenthrin 80g/L	A systemic pyrethroid insecticide with a broad spectrum activity which has a rapid knockdown and a long residual action. Controls caterpillar, aphids, leaf miners, whitefly, thrips, mites and taro beetle. For taro beetle, start treatment once at planting and after 3 months later at 100mL/ plant.	Knapsack: 15-20mL/16L 20-25mL/20L With-holding period - 3 days Taro beetle 40mL /16L 50mL /20L	AgChem Ltd.
Sundothrin 25 EC	Permethrin 250g/L (25%) as Emulsifiable concentrate	A synthetic contact pyrethroid insecticide. For control of cluster caterpillar, cabbage aphids, armyworms and bean pod borer.	Knapsack : 17-22mL/16L 21-26mL/20L Spray when insects first appear and repeat when necessary. With-holding period 3 - 7 days	AgChem Ltd.
Sunthene 75 SP	Acephate (75% w/v)	A broad spectrum systemic insecticide for the control of wide range of chewing and sucking insects, most caterpillars, aphids, thrips, leaf miner, leafhoppers, cutworm on vegetable crops, citrus, avocados, ornamentals, tobacco and rice.	Knapsack: 12g/16L water 15g/20L water	AgChem Ltd.
Royalthene	Acephate 75% w/v		Holding period 7 days	GMR Mohammed & Sons MH Ltd.
Orthene	Acephate 75% w/v			
Acephate 90SP	Acephate 90%w/v		7-10g/15L water Holding period 7 days	Nasekula Hardware Ltd.



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