

INFORMATION SHEET

List of 10 Plants with Pesticidal Properties

Common name	Description	Some Pest it controls & part of the plant used	Type of preparation	Effect
Garlic <i>Alfium sativum</i> L. (<i>Liliaceae</i>)	Perennial herb, bulb, reproduced asexually using teeth or bulbs	<i>Aedes Aegyptia</i> (mosquito), <i>Agrobacterium tumefaciens</i> (leaves), <i>Aspergillus niger</i> (bulb), <i>Meloidogyne javanica</i> (bulb)	Aqueous extraction, powder, pressed oil, ethanolic extract, emulsified	Insecticide, fungicide, antibacterial
Onion <i>Allium cepa</i> L (<i>Liliaceae</i>)	Perrenial crop, bulb	<i>Altemaria tenuis</i> (leaves, oil), <i>Aspergillus niger</i> (Bulb), <i>Fusarium oxysporum</i> (leaves), <i>Helminthosporium sp.</i> (leaves)	Crude extraction, powder	Fungicide, repellent
Cashew <i>Anacardium occidentale</i> L. (<i>Anacardiaceae</i>)	False fruit, annual	<i>Meloidogyne incognita</i> (leaves), termites (seeds, oil), Mosquito (seeds, oil),	Aqueous extraction, powder, pressed oil	Insecticide, nematocide
Neem A. juss. (<i>Meliaceae</i>)	Tree 10-15 ft, green foliage, produces seed	<i>Alternaria tenuis</i> (leaves, oil), <i>Aphids</i> , <i>Fusarium oxysporum</i> (leaves), <i>Diabroticas</i> (seeds), <i>Meloidogyne incognita</i> (leaves), <i>Meloidogyne javanica</i> (leaves), <i>Plutella xylostella</i> (leaves, seeds), <i>Spodoptera frugiperda</i> (leaves, seeds) etc..	Dry plant, powder, Aqueous extraction, alcoholic extract, fermented	Fungicide, insecticide, repellent, nematocide, growth inhibitor, anti morphogenic
Hot pepper <i>Capiscum frutescens</i> L. (<i>Solanaceae</i>)	Herbaceous plant, perennial, Fruit bearing	Virus mosaic in cucumbers (leaves), Potato virus (fruits), White fly, mites, caterpillars	Dry plant powder, Aqueous extraction	Antiviral, insecticide
Papaya <i>Carica papaya</i> L. (<i>Caricaceae</i>)	Tree 3-5 ft, milky sap, fruit bearing	<i>Meloidogyne incognita</i> (leaves)	Crude extract, Aqueous extraction, alcoholic extract	Nematicide
Sour Orange	Citrus, Tree, fruit	Mosquitos (oil), <i>Plutella</i>	Pressed oil, Aqueous	Repellent

Citrus aurantium L. (Rutaceae)	bearing	<i>xylostella</i> (leaves, seeds)	extraction,	
Madre de cocoa Gliricidia sepium Jacq.) Steud Fabaceae (Legume)	Tree 3-15 ft, seeds	Aphids	Mulch, powder, trap	Insecticide, Rodenticide
Jatropha Jatropha curcas L. (Euphorbiaceae)	Shrub, up to 8 m in height, fruits	Aphids, mosquito, house fly, rodents	Aqueous extraction	Insecticide, rodenticide
Tobacco Nicotiana tabacum L. (Solanaceae)	Herbaceous, up to 3m	Aphids	Aqueous extraction	Herbicide, insecticide
Noni	M. citrifolia grows in shady forests as well as on open rocky or sandy shores			Arthritis, Atherosclerosis, Bowel Conditions, Burns, cancer, chronic fatigue Syndrome, Kidney

Source: *Plants with Pesticidal properties - Zamorano, Honduras.*