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## Agriculture Articles

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### Plants with Broad-Spectrum Pesticidal Properties

Source: Grainge, M. & Ahmed, S.: *Handbook of Plants with Pest-Control Properties*; 1988, Resource Systems Inst., East-West Center, Honolulu, HI. Wiley & Sons, New York.

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African Marigold (*Tagetes erecta*)  
American False Hellebore (*Veratrum viride*)  
Angel's Trumpet (*Datura metel*)  
Black Pepper (*Piper nigrum*)  
Castor Bean (*Ricinus communis*)  
Chinaberry, Persian Lilac (*Melia azedarach*)  
Chrysanthemum (*Chrysanthemum cinerariifolium*)  
Cockroach Plant (*Haplophyton cimicidium*)  
Custard Apple (*Annona reticulata*)  
Derris (*Derris elliptica*)  
Devil's Shoestring (*Tephrosia virginiana*)  
European White Hellebore (*Veratrum album*)  
French Marigold (*Tagetes patula*)  
Ginger (*Zingiber officinale*)  
Goatweed (*Ageratum conyzoides*)  
Indian Aconite (*Aconitum ferox*)  
Jimsonweed (*Datura stramonium*)  
Mammey Apple Tree (*Mammea americana*)  
Neem Tree (*Azadirachta indica*)  
Peanut (*Arachis hypogaea*)  
Purging Cotton (*Croton tiglium*)  
Sabadilla (*Schoenocaulon officinale*)  
Southern Prickly Ash (*Zanthoxylum clava-herculis*)  
Sugar Apple (*Annona squamosa*)  
Sweetcane (*Mundulea suberosa*)  
Sweetflag (*Acorus calamus*)  
Tobacco (*Nicotiana tabacum*)  
Tung Tree (*Aleurites fordii*)

Vogel Tephrosia (*Tephrosia vogelii*)

Wild Tobacco (*Nicotiana rustica*)

Chili Peppers act effectively as a stomach poison, repellent, antifeedant and viroid against: Ants, Aphids, Caterpillars, Colorado Beetle, Cabbage Worm, Rice Weevil, Cucumber Mosaic Virus, Cucumber Ringspot Virus, Tobacco Etch, & Tobacco Mosaic Virus.

Derris (*D. elliptica*) dust is effective against: Adzuki Bean Beetle, Army Worms, American Bollworm, Diamondback Moth, Fruit Flies, Mediterranean Fruit Fly, Melon Aphid, *Pyricularia oryzae* (fungus).

Garlic fights against: Aphids, Army Worms, Colorado Beetle, False Codling Moth, Kharpa Beetle, Mexican Bean Beetle, Imported Cabbage Worm, Wire worms.

Mammy Apple (*Mammea americana*) powdered seeds vs: Aphids, Diamondback Moth, Cucumber Beetle, Imported Cabbage worm, Melon Worm, Mites, Rice Weevil.

Neem (*Azadirachta indica*) has been found to be effective against about 100 pests including: American Bollworm, Aphids, Brown Rice Plant Hopper, Diamondback Moth, Cabbage Worm, Colorado Beetle, Cutworms, Desert Locust, Fall Arm Worm, Flea Beetle, Green Rice Leaf Hopper, Large Cabbage Worm, Leaf Miner, Mediterranean Fruitfly, Mexican Bean Beetle, Migratory Locust, Mites, Potato Jassid, Rice Stalk Borers, Spotted Stalk Borers, Variegated Grasshopper, White-Backed Rice Plant Hopper, White Fly.

Chrysanthemum (*C. cinerariaefolium*) contains pyrethrum, effective against: Aphids, Coffee Bugs, Colorado Beetle, Flea Beetles, Grasshoppers, Cabbage Worm, and many other beetles, caterpillars, beetles, locusts, mites, moths, thrips, etc.

Quassia (*Q. amara*) is a contact- and stomach poison, insecticide, larvicide, and nematocide, and also acts systematically against: Aphids, Diamondback Moth, Caterpillars, Colorado Beetle, Leaf Miners, Melonworm, Mites, Black Carpet Beetle, and Silkworm. It is not effective against: Codling Moth, Mexican Bean Beetle, or Peach Aphid.

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