

# A Molluscicide

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	# Chemicals	Total PPM
<i>Acalypha indica</i> Three-Seeded-Mercury; Indian Nettle; Indian Acalypha; Cancer Herb; Copperleaf	1	
<i>Achillea millefolium</i> Yarrow; Milfoil	1	
<i>Acinos suaveolens</i>	1	
<i>Aconitum napellus</i> Aconite; Garden Monkshood; European Aconite; Helmet Flower; Garden Wolfsbane; Soldier's Cap; Bear's-Foot; Friar's Cap; Monkshood; Blue Rocket; Turk's Cap; Queen's Fettle	1	
<i>Aframomum melegueta</i> Grains-of-Paradise; Malagettapfeffer (Ger.); Melegueta Pepper; Guinea Grains; Alligator Pepper; Malagueta (Sp.)	3	
<i>Akebia quinata</i> Chocolate Vine	1	
<i>Ambrosia hispida</i> Margarita de Mar	1	
<i>Ammi visnaga</i> Visnaga	2	
<i>Ammi majus</i> Bishop's Weed	4	62200.0
<i>Anacardium occidentale</i> Cashew	3	
<i>Anethum graveolens</i> Dill; Garden Dill	3	
<i>Angelica sinensis</i> Dang Quai; Dong Quai; Chinese Angelica; Dang Qui; Dong Gui; Dang Gui	1	
<i>Angelica dahurica</i> Bai Zhi	2	
<i>Angelica archangelica</i> Garden Angelica; Wild Parsnip; Angelica	4	13762.0
<i>Apium graveolens</i> Celery	5	1412.19
<i>Argemone mexicana</i> Prickly Poppy	2	
<i>Arnica montana</i> Leopard's-Bane; Mountain Tobacco	2	
<i>Artemisia herba-alba</i> Desert Wormwood	1	
<i>Artemisia annua</i> Sweet Wormwood (GRIN); Annual Mugwort (GRIN); Annual Wormwood (GRIN); Qinghao; Sweet Annie	1	
<i>Balanites aegyptiacus</i> hingotia (India); mirobalano de Egipto (Sp.); dattier sauvage (Fr.); zachun (India); dattier du desert (Fr.); heglik (Fr.); lalo (India); Desert Date; Zachunbaum (Ger.); betu (India); Soapberry Tree	1	
<i>Baptisia tinctoria</i> Wild Indigo	2	
<i>Blighia sapida</i> Seso Vegetal; Akee	1	
<i>Bocconia frutescens</i> Tree Poppy	2	
<i>Bocconia arborea</i> Tree Poppy	1	
<i>Calamintha nepeta</i> Turkish Calamint	1	
<i>Camellia sinensis</i> Tea	1	
<i>Carum carvi</i> Caraway; Carum; Kummel (Ger.); Comino de Prado (Sp.); Comino (Sp.)	1	
<i>Casimiroa edulis</i> White sapote; Matasano	2	
<i>Castanospermum australe</i> Australian Chestnut; Moreton Bay Chestnut; Black Bean	2	
<i>Caulophyllum thalictroides</i> Blue Cohosh	1	
<i>Chelidonium majus</i> Celandine	3	
<i>Chenopodium album</i> Lambsquarter	2	
<i>Chrysanthemum x morifolium</i> Ju Hua (Pinyin); Chrysanthemum; Florist's Chrysanthemum; Mum	1	
<i>Chrysanthemum parthenium</i> Feverfew	1	
<i>Cinchona pubescens</i> Redbark; Quinine; Red Cinchona; Red Peruvian-Bark	1	
<i>Citrus sinensis</i> Orange	2	
<i>Citrus reticulata</i> Mandarin; Tangerine	1	20.1

Plant	# Chemicals	Total PPM
Citrus meyerii Meyer lemon	1	
Citrus limon Lemon	3	
Citrus aurantium Bitter Orange; Petitgrain	2	2.0
Citrus aurantiifolia Lime	3	
Coriandrum sativum Coriander; Cilantro; Chinese Parsley	2	
Coridothymus capitatus Spanish Oregano	1	
Corydalis spp Fumewort	1	
Cunila origanoides Stone Mint; Maryland Dittany; Mountain Dittany; Frost Mint; Frost Flower; American Dittany; Dittany	1	21252.0
Cytisus scoparius Scotch Broom	3	30000.0
Daucus carota Carrot	3	4.4
Dictamnus albus Akgiritotu; Dittany; Gas Plant; Burning Bush; Gazelotu	2	
Elsholtzia polystachya Bush Mint	1	
Elsholtzia pilosa Hairy Mint Shrub	1	
Elytrigia repens Doggrass; Twitchgrass; Quackgrass; Wheatgrass; Couchgrass	1	
Eschscholzia californica California Poppy	3	
Eucalyptus bridgesiana Bridges' Eucalyptus	1	
Eupatorium perfoliatum Boneset	1	
Euphorbia pulcherrima Poinsettia	1	
Ferula assa-foetida Stinkasant (Ger.); test; Asafetida; Asafetida (Sp.); Asafoetida; Assa-foetida; Devil's Dung	1	
Ferula alliacea Garlic Ferula	1	
Ficus carica Fig; Figuier Commun (Fr.); Figueira (Port.); Higuera Comun (Sp.); Higo (Sp.); Feigenbaum (Ger.); Fico (Ital.); Echte Feige (Ger.)	2	14200.0
Foeniculum vulgare Fennel	5	8.0
Fragaria spp Strawberry	1	
Genista tinctoria Dyer's Broom	2	
Ginkgo biloba Ginkgo; Maidenhair Tree	5	
Glaucium flavum Horned Poppy	3	
Glehnia littoralis Bei Sha Shen	3	
Glycyrrhiza glabra Smooth Licorice; Commom Licorice; Licorice; Licorice-Root	3	
Hedera helix Ivy	1	
Heracleum sphondylium Cow Parsnip; Hogweed; Meadow Parsnip	1	
Heracleum laciniatum Lacinate Cow-parnsnip	2	
Houttuynia cordata Dokudami; Yu Xing Cao; Fishwort	1	
Humulus lupulus Hops	1	
Hyptis suaveolens Wild Hops	1	
Hyssopus officinalis Hyssop	1	6.0
Inula helenium Elecampane	1	
Laburnum anagyroides Golden Chain Tree	1	
Levisticum officinale Lovage	2	26.0
Limonia acidissima Manzana De Elefante; Wood-Apple; Elephant Apple	2	
Lippia graveolens Oregano	1	
Lupinus mutabilis Andean Lupine; Tarhui; Chocho	1	
Lupinus albus White Lupine	2	280.0

Plant	# Chemicals	Total PPM
<i>Lycopersicon esculentum</i> Tomato	1	16.0
<i>Macleaya cordata</i> Plume Poppy	2	
<i>Medicago sativa</i> Alfalfa; Lucerne	3	
<i>Melissa officinalis</i> Balm; Bee Balm; Lemonbalm; Melissa	1	
<i>Mentha spicata</i> Spearmint; Hortela da Folha Miuda	1	
<i>Mentha pulegium</i> European Pennyroyal	1	
<i>Mentha longifolia</i> Biblical Mint	1	30.0
<i>Micromeria myrtifolia</i> Haydarotu; Topukcayi; Dagcayi	1	
<i>Micromeria juliana</i>	1	
<i>Micromeria fruticosa</i> Tea Hyssop; Zopha; Zuta	1	
<i>Micromeria congesta</i> Kaya Yarpuzu	1	
<i>Monarda russeliana</i> Russel's Monarda	1	3504.0
<i>Monarda punctata</i> Horsemint	1	55266.0
<i>Monarda media</i> Mean Monarda	1	2584.0
<i>Monarda fistulosa</i> Wild Bergamot	1	41700.0
<i>Monarda didyma</i> Beebalm; Oswego Tea	1	100.0
<i>Monarda citriodora</i> Lemon Mint	1	16674.0
<i>Morinda citrifolia</i> Indian Mulberry; Noni	2	
<i>Murraya koenigii</i> Curry Leaf Tree; Indian Curry Tree; Curry Leaf	2	
<i>Nepeta racemosa</i> Catmint	1	
<i>Nepeta cataria</i> Catnip	1	
<i>Nigella sativa</i> Black Cumin; Roman Coriander; Black Caraway; Fennel-Flower; Nutmeg-Flower	2	
<i>Ocimum gratissimum</i> Shrubby Basil; Agbo	1	
<i>Ocimum basilicum</i> Sweet Basil; Cuban Basil; Basil	1	2830.0
<i>Origanum vulgare</i> Wild Marjoram; Common Turkish Oregano; European Oregano; Oregano; Pot Marjoram; Wild Oregano	1	10000.0
<i>Origanum syriacum</i> Za'Atar	1	
<i>Origanum sipyleum</i> Guveyoto; Bayircayi	1	
<i>Origanum onites</i> Pot Marjoram; Oregano	1	172.0
<i>Origanum minutiflorum</i> Small-Flowered Oregano	1	
<i>Paeonia lactiflora</i> Bai Shao (Chinese); Common Garden Peony; White Peony; Peony; Chih-Shao	1	
<i>Papaver somniferum</i> Opium Poppy; Poppyseed Poppy	1	
<i>Pastinaca sativa</i> Parsnip	4	14600.0
<i>Perilla frutescens</i> Perilla	1	
<i>Petroselinum crispum</i> Parsley	5	4749.0599999999995
<i>Peucedanum ostruthium</i> Masterwort	1	
<i>Peumus boldus</i> Boldo	2	
<i>Pimpinella anisum</i> Anise; Sweet Cumin	4	
<i>Polygonum hydropiper</i> Common Smartweed	2	
<i>Psoralea corylifolia</i> Malaya Tea; Babchi; Black Dot	1	
<i>Pulsatilla chinensis</i> Chinese Anemone	1	
<i>Pycnanthemum virginianum</i> Virginia Mountain Mint	1	754.0
<i>Pycnanthemum nudum</i> Nude Mountain Mint	1	46696.0

Plant	# Chemicals	Total PPM
<i>Rosmarinus officinalis</i> Rosemary	1	
<i>Rubia cordifolia</i> Madder	1	
<i>Ruta graveolens</i> Rue	4	
<i>Salvia officinalis</i> Sage	1	
<i>Salvia canariensis</i> Canary Island Sage	1	
<i>Sanguinaria canadensis</i> Bloodroot	3	120000.0
<i>Satureja thymbra</i> Goat Oregano	1	
<i>Satureja subspicata</i> Yugoslav Savory	1	
<i>Satureja obovata</i> Iberian Savory; Savory	1	
<i>Satureja montana</i> Winter Savory; Savory	1	15502.0
<i>Satureja hortensis</i> Summer Savory	1	
<i>Satureja douglasii</i> Douglas' Savory	1	78.0
<i>Satureja cuneifolia</i> Cuneate Turkish Savory	1	
<i>Satureja cilicica</i> Turkish Savory	1	
<i>Schinus terebinthifolius</i> Brazilian Peppertree	1	
<i>Sideritis scardica</i> Balkan Sideritis	1	
<i>Sideritis athoa</i> Kedi Kuyruğu Cayı	1	
<i>Skimmia arborescens</i> Skimmia	2	
<i>Solanum tuberosum</i> Potato	1	
<i>Solanum nigrum</i> Black Nightshade	2	
<i>Solanum melongena</i> Aubergine; Eggplant	2	
<i>Solanum mammosum</i> Susumber; Love Apple	1	
<i>Solanum dulcamara</i> Bitter Nightshade; Bittersweet	1	
<i>Solanum carolinense</i> Horsenettle	2	
<i>Sophora secundiflora</i> Mescal Bean	2	
<i>Sophora japonica</i> Japanese Pagoda Tree	1	
<i>Sophora angustifolia</i> Narrowleaf Sophora	1	
<i>Spartium junceum</i> Spanish Broom; Weaver's Broom; Genet	2	12600.0
<i>Tanacetum parthenium</i> Feverfew	1	
<i>Teucrium scorodonia</i> Germander; Wood Germander	1	
<i>Teucrium salviastrum</i>	1	
<i>Teucrium pseudoscorodonia</i>	1	
<i>Teucrium polium</i> Golden Germander	2	
<i>Teucrium oxylepis</i>	1	
<i>Teucrium micropodioides</i> Small 'Cyprus' Germander	1	
<i>Teucrium kotschyianum</i> Stavros Kotschy's Germander	1	
<i>Teucrium gnaphalodes</i> Iberian Germander	1	
<i>Teucrium divaricatum</i> Hoary Divaricate Germander	1	
<i>Teucrium cyprum</i> 'Cyprus' Germander	1	
<i>Teucrium asiaticum</i>	1	
<i>Thymus zygis</i> Spanish Thyme	1	
<i>Thymus x citriodorus</i> Funk's thyme; Lemon Thyme	1	

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<i>Thymus vulgaris</i> Common Thyme; Garden Thyme; Thyme	1	48200.0
<i>Thymus serpyllum</i> Creeping Thyme	1	114.0
<i>Thymus saturejoides</i> Moroccan Savory Thyme	1	
<i>Thymus riatarum</i> 'Moroccan' Thyme	1	
<i>Thymus orospedanus</i> Orosped Thyme	1	2556.0
<i>Thymus mastichina</i> Spanish Marjoram	1	380.0
<i>Thymus longicaulis</i> Tas Kekik; Kekik	1	
<i>Thymus funkii</i> Funk's Thyme	1	
<i>Thymus capitatus</i> Spanish Origanum; 'Sicilian' Thyme; Spanish Thyme	1	1960.0
<i>Thymus broussonettii</i> Moroccan Thyme	1	
<i>Trachyspermum ammi</i> Ajwan	1	52400.0
<i>Turnera diffusa</i> Damiana	1	
<i>Ulex europaeus</i> Gorse	1	
<i>Umbellularia californica</i> California Bay	1	2640.0
<i>Vaccinium corymbosum</i> Blueberry	1	
<i>Valeriana officinalis</i> Valerian; Garden-Heliotrope; Common Valerian	1	
<i>Warburgia ugandensis</i> Warburghia	2	
<i>Zanthoxylum clava-herculis</i> Pepperbark; West Indian Yellowwood; Hercules'-Club; Southern Prickly Ash	1	
<i>Zanthoxylum americanum</i> Northern Prickly Ash	3	
<i>Zea mays</i> Corn	2	
<i>Zingiber officinale</i> Ginger	3	370.0