**Supplementary Materials**

**Table 1** Plants with the highest number of anthelmintic chemicals. Data course: USDA GRIN database.

|  |  |
| --- | --- |
| Plant | Number of Chemicals |
| *Achillea millefolium* | 9 |
| *Dryopteris filix-mas* | 7 |
| *Peumus boldus* | 7 |
| *Rosmarinus officinalis* | 7 |
| *Salvia officinalis* | 7 |
| *Artemisia annua* | 6 |
| *Glycyrrhiza glabra* | 6 |
| *Origanum vulgare* | 6 |
| *Satureja hortensis* | 6 |
| *Zea mays* | 6 |
| *Artemisia dracunculus* | 5 |
| *Camellia sinensis* | 5 |
| *Hyssopus officinalis* | 5 |
| *Mentha pulegium* | 5 |
| *Ocimum basilicum* | 5 |
| *Punica granatum* | 5 |
| *Thymus serpyllum* | 5 |
| *Thymus vulgaris* | 5 |
| *Carum carvi* | 4 |
| *Cinnamomum verum* | 4 |
| *Coriandrum sativum* | 4 |
| *Elettaria cardamomum* | 4 |
| *Eucalyptus citriodora* | 4 |
| *Inula helenium* | 4 |
| *Juniperus sabina* | 4 |
| *Lantana camara* | 4 |
| *Mentha spicata* | 4 |
| *Monarda didyma* | 4 |
| *Monarda fistulosa* | 4 |
| *Myrtus communis* | 4 |
| *Nepeta cataria* | 4 |
| *Nepeta racemosa* | 4 |
| *Ocimum gratissimum* | 4 |
| *Ocimum tenuiflorum* | 4 |
| *Origanum onites* | 4 |
| *Pycnanthemum virginianum* | 4 |
| *Rubus idaeus* | 4 |
| *Satureja cuneifolia* | 4 |
| *Satureja montana* | 4 |
| *Tanacetum parthenium* | 4 |
| *Teucrium polium* | 4 |
| *Thymus capitatus* | 4 |
| *Thymus funkii* | 4 |
| *Thymus longicaulis* | 4 |
| *Thymus zygis* | 4 |
| *Vaccinium corymbosum* | 4 |
| *Valeriana officinalis* | 4 |
| *Vitis vinifera* | 4 |
| *Acinos suaveolens* | 3 |
| *Allium cepa* | 3 |
| *Allium sativum var. sativum* | 3 |
| *Aloysia citrodora* | 3 |
| *Anethum graveolens* | 3 |
| *Arctostaphylos uva-ursi* | 3 |
| *Artemisia cina* | 3 |
| *Artemisia herba-alba* | 3 |
| *Calamintha nepeta* | 3 |
| *Capsicum frutescens* | 3 |
| *Carica papaya* | 3 |
| *Centella asiatica* | 3 |
| *Chenopodium ambrosioides* | 3 |
| *Chrysanthemum parthenium* | 3 |
| *Cichorium intybus* | 3 |
| *Cinnamomum camphora* | 3 |
| *Citrus aurantium* | 3 |
| *Citrus reticulata* | 3 |
| *Cuminum cyminum* | 3 |
| *Cunila origanoides* | 3 |
| *Elsholtzia polystachya* | 3 |
| *Elytrigia repens* | 3 |
| *Ginkgo biloba* | 3 |
| *Hedeoma pulegioides* | 3 |
| *Houttuynia cordata* | 3 |
| *Hypericum perforatum* | 3 |
| *Hyptis suaveolens* | 3 |
| *Laurus nobilis* | 3 |
| *Lavandula angustifolia* | 3 |
| *Levisticum officinale* | 3 |
| *Lippia alba* | 3 |
| *Litsea glaucescens* | 3 |
| *Lonicera japonica* | 3 |
| *Matricaria recutita* | 3 |
| *Mentha arvensis var. piperascens* | 3 |
| *Mentha longifolia* | 3 |
| *Menyanthes trifoliata* | 3 |
| *Micromeria congesta* | 3 |
| *Micromeria fruticosa* | 3 |
| *Micromeria myrtifolia* | 3 |
| *Monarda citriodora* | 3 |
| *Monarda media* | 3 |
| *Monarda punctata* | 3 |
| *Monarda russeliana* | 3 |
| *Ocimum canum* | 3 |
| *Origanum majorana* | 3 |
| *Origanum minutiflorum* | 3 |
| *Origanum sipyleum* | 3 |
| *Origanum syriacum* | 3 |
| *Panax ginseng* | 3 |
| *Peganum harmala* | 3 |
| *Pimenta racemosa* | 3 |
| *Pinus sylvestris* | 3 |
| *Piper betel* | 3 |
| *Piper nigrum* | 3 |
| *Prunella vulgaris* | 3 |
| *Prunus armeniaca* | 3 |
| *Prunus cerasus* | 3 |
| *Salvia sclarea* | 3 |
| *Salvia triloba* | 3 |
| *Sassafras albidum* | 3 |
| *Satureja cilicica* | 3 |
| *Satureja obovata* | 3 |
| *Satureja subspicata* | 3 |
| *Serenoa repens* | 3 |
| *Sideritis scardica* | 3 |
| *Stevia rebaudiana* | 3 |
| *Taraxacum officinale* | 3 |
| *Teucrium cyprium* | 3 |
| *Teucrium divaricatum* | 3 |
| *Teucrium gnaphalodes* | 3 |
| *Teucrium kotschyanum* | 3 |
| *Teucrium micropodioides* | 3 |
| *Teucrium scorodonia* | 3 |
| *Thymus mastichina* | 3 |
| *Thymus orospedanus* | 3 |
| *Thymus x citriodorus* | 3 |
| *Turnera diffusa* | 3 |
| *Umbellularia californica* | 3 |
| *Vaccinium myrtillus* | 3 |
| *Vitex agnus-castus* | 3 |
| *Zingiber officinale* | 3 |
| *Acorus calamus* | 2 |
| *Aegle marmelos* | 2 |
| *Agrimonia eupatoria* | 2 |
| *Allium ampeloprasum* | 2 |
| *Alpinia officinarum* | 2 |
| *Althaea officinalis* | 2 |
| *Ammi majus* | 2 |
| *Annona squamosa* | 2 |
| *Apium graveolens* | 2 |
| *Arbutus unedo* | 2 |
| *Areca catechu* | 2 |
| *Armoracia rusticana* | 2 |
| *Artemisia absinthium* | 2 |
| *Artocarpus heterophyllus* | 2 |
| *Asclepias syriaca* | 2 |
| *Aspalathus linearis* | 2 |
| *Byrsonima crassifolia* | 2 |
| *Calendula officinalis* | 2 |
| *Capsella bursa-pastoris* | 2 |
| *Catha edulis* | 2 |
| *Centaurea cyanus* | 2 |
| *Chamaemelum nobile* | 2 |
| *Chenopodium album* | 2 |
| *Chrysanthemum balsamita* | 2 |
| *Chrysanthemum x morifolium* | 2 |
| *Cinnamomum aromaticum* | 2 |
| *Citrus sinensis* | 2 |
| *Cocos nucifera* | 2 |
| *Conyza canadensis* | 2 |
| *Coridothymus capitatus* | 2 |
| *Cornus florida* | 2 |
| *Crocus sativus* | 2 |
| *Curcuma longa* | 2 |
| *Cymbopogon citratus* | 2 |
| *Cyperus rotundus* | 2 |
| *Daucus carota* | 2 |
| *Dryopteris marginalis* | 2 |
| *Eleutherococcus senticosus* | 2 |
| *Elsholtzia blanda* | 2 |
| *Elsholtzia pilosa* | 2 |
| *Equisetum arvense* | 2 |
| *Eucalyptus angulosa* | 2 |
| *Eucalyptus behriana* | 2 |
| *Eucalyptus bridgesiana* | 2 |
| *Eucalyptus ceratocorys* | 2 |
| *Eucalyptus cuprea* | 2 |
| *Eucalyptus desquamata* | 2 |
| *Eucalyptus dolichorhyncha* | 2 |
| *Eucalyptus erythrandra* | 2 |
| *Eucalyptus fasiculosa* | 2 |
| *Eucalyptus forrestiana* | 2 |
| *Eucalyptus incrassata* | 2 |
| *Eucalyptus intertexta* | 2 |
| *Eucalyptus lansdowneana* | 2 |
| *Eucalyptus largisparsa* | 2 |
| *Eucalyptus leucoxylon* | 2 |
| *Eucalyptus melanophloia* | 2 |
| *Eucalyptus ochrophloia* | 2 |
| *Eucalyptus odorata* | 2 |
| *Eucalyptus populnea* | 2 |
| *Eucalyptus porosa* | 2 |
| *Eucalyptus sparsa* | 2 |
| *Eucalyptus stoatei* | 2 |
| *Eucalyptus tetraptera* | 2 |
| *Eucalyptus viridis* | 2 |
| *Euphrasia officinalis* | 2 |
| *Ficus carica* | 2 |
| *Foeniculum vulgare* | 2 |
| *Fragaria spp* | 2 |
| *Gardenia jasminoides* | 2 |
| *Gaultheria procumbens* | 2 |
| *Glechoma hederacea* | 2 |
| *Glycyrrhiza uralensis* | 2 |
| *Helianthus annuus* | 2 |
| *Hippophae rhamnoides* | 2 |
| *Holarrhena pubescens* | 2 |
| *Hordeum vulgare* | 2 |
| *Illicium verum* | 2 |
| *Iris x germanica* | 2 |
| *Juglans nigra* | 2 |
| *Juglans regia* | 2 |
| *Juniperus communis* | 2 |
| *Lavandula latifolia* | 2 |
| *Lavandula x intermedia* | 2 |
| *Lawsonia inermis* | 2 |
| *Ligustrum vulgare* | 2 |
| *Lindera benzoin* | 2 |
| *Lippia graveolens* | 2 |
| *Lycopus virginicus* | 2 |
| *Mangifera indica* | 2 |
| *Medicago sativa* | 2 |
| *Melia azedarach* | 2 |
| *Melissa officinalis* | 2 |
| *Mentha aquatica* | 2 |
| *Mentha x piperita* | 2 |
| *Micromeria juliana* | 2 |
| *Monarda lindheimeri* | 2 |
| *Morus alba* | 2 |
| *Myristica fragrans* | 2 |
| *Nigella sativa* | 2 |
| *Ocimum sanctum* | 2 |
| *Olea europaea* | 2 |
| *Ononis spinosa* | 2 |
| *Origanum creticum* | 2 |
| *Panax quinquefolius* | 2 |
| *Passiflora incarnata* | 2 |
| *Petroselinum crispum* | 2 |
| *Phoenix dactylifera* | 2 |
| *Piper cubeba* | 2 |
| *Plantago major* | 2 |
| *Populus nigra* | 2 |
| *Pteridium aquilinum* | 2 |
| *Pycnanthemum nudum* | 2 |
| *Pycnanthemum pycnanthemoides* | 2 |
| *Pycnanthemum tenuifolium* | 2 |
| *Quercus suber* | 2 |
| *Ravensara aromatica* | 2 |
| *Ribes nigrum* | 2 |
| *Rosa canina* | 2 |
| *Salvia dorisiana* | 2 |
| *Sambucus nigra* | 2 |
| *Sanguisorba minor* | 2 |
| *Sanguisorba officinalis* | 2 |
| *Santalum album* | 2 |
| *Santolina chamaecyparissus* | 2 |
| *Satureja douglasii* | 2 |
| *Satureja thymbra* | 2 |
| *Schinus molle* | 2 |
| *Sideritis athoa* | 2 |
| *Solanum tuberosum* | 2 |
| *Syzygium aromaticum* | 2 |
| *Syzygium cumini* | 2 |
| *Tagetes minuta* | 2 |
| *Telosma cordata* | 2 |
| *Terminalia arjuna* | 2 |
| *Terminalia bellirica* | 2 |
| *Terminalia catappa* | 2 |
| *Terminalia chebula* | 2 |
| *Teucrium asiaticum* | 2 |
| *Teucrium chamaedrys* | 2 |
| *Teucrium oxylepis* | 2 |
| *Teucrium pseudoscorodonia* | 2 |
| *Teucrium salviastrum* | 2 |
| *Theobroma cacao* | 2 |
| *Thymus broussonettii* | 2 |
| *Thymus cilicicus* | 2 |
| *Thymus riatarum* | 2 |
| *Thymus saturejoides* | 2 |
| *Tilia sp.* | 2 |
| *Trachyspermum ammi* | 2 |
| *Tsuga canadensis* | 2 |
| *Urtica dioica* | 2 |
| *Vanilla planifolia* | 2 |
| *Veronica officinalis* | 2 |
| *Vinca minor* | 2 |
| *Viscum album* | 2 |
| *Warburgia ugandensis* | 2 |
| *Zizyphus jujuba* | 2 |
| *Acacia catechu* | 1 |
| *Acacia farnesiana* | 1 |
| *Acacia leucophloea* | 1 |
| *Acacia melanoxylon* | 1 |
| *Acacia nilotica* | 1 |
| *Acacia senegal* | 1 |
| *Acacia tortilis* | 1 |
| *Acalypha indica* | 1 |
| *Aconitum napellus* | 1 |
| *Acrotrema arnottianum* | 1 |
| *Acrotrema uniflorum* | 1 |
| *Actaea cimicifuga* | 1 |
| *Actaea racemosa* | 1 |
| *Actinidia chinensis* | 1 |
| *Adansonia digitata* | 1 |
| *Adiantum capillus-veneris* | 1 |
| *Aeolanthus myriantha* | 1 |
| *Aesculus hippocastanum* | 1 |
| *Ailanthus altissima* | 1 |
| *Ailanthus grandis* | 1 |
| *Ajuga reptans* | 1 |
| *Akania luceus* | 1 |
| *Alangium lamarckii* | 1 |
| *Albizia julibrissin* | 1 |
| *Albizia lebbeck* | 1 |
| *Aleurites moluccana* | 1 |
| *Aleurites montana* | 1 |
| *Alisma plantago-aquatica* | 1 |
| *Alnus glutinosa* | 1 |
| *Alnus maximowiczii* | 1 |
| *Alnus nepalensis* | 1 |
| *Aloe vera* | 1 |
| *Alphitonia excelsa* | 1 |
| *Alphitonia macrocarpa* | 1 |
| *Alphitonia petriei* | 1 |
| *Alphitonia whitei* | 1 |
| *Alpinia galanga* | 1 |
| *Alstonia scholaris* | 1 |
| *Alyxia buxifolia* | 1 |
| *Amanoa oblongifolia* | 1 |
| *Ammannia baccifera* | 1 |
| *Ammi visnaga* | 1 |
| *Amomum compactum* | 1 |
| *Amoora canarana* | 1 |
| *Ampelozizyphus amazonicus* | 1 |
| *Amsonia grandiflora* | 1 |
| *Anacardium occidentale* | 1 |
| *Anaphalis margaritacea* | 1 |
| *Anemone narcissiflora* | 1 |
| *Anemone pulsatilla* | 1 |
| *Angelica archangelica* | 1 |
| *Angelica sinensis* | 1 |
| *Anisomeles malabarica* | 1 |
| *Annona muricata* | 1 |
| *Annona reticulata* | 1 |
| *Anogeissus latifolia* | 1 |
| *Apocynum cannabinum* | 1 |
| *Arachis hypogaea* | 1 |
| *Araucaria bidwillii* | 1 |
| *Arbutus menziesii* | 1 |
| *Arctium lappa* | 1 |
| *Ardisia japonica* | 1 |
| *Argemone mexicana* | 1 |
| *Arnica montana* | 1 |
| *Artemisia abrotanum* | 1 |
| *Artemisia maritima* | 1 |
| *Artemisia salsoloides* | 1 |
| *Artemisia vulgaris* | 1 |
| *Artocarpus integrifolia* | 1 |
| *Asarum canadense* | 1 |
| *Asimina triloba* | 1 |
| *Aspidixia angulata* | 1 |
| *Aspidosperma quebracho-blanco* | 1 |
| *Atropa bella-donna* | 1 |
| *Avena sativa* | 1 |
| *Avicennia alba* | 1 |
| *Avicennia marina* | 1 |
| *Avicennia officinalis* | 1 |
| *Avicennia tomentosa* | 1 |
| *Azadirachta indica* | 1 |
| *Balanops australiana* | 1 |
| *Ballota nigra* | 1 |
| *Banisteriopsis caapi* | 1 |
| *Bauhinia vahlii* | 1 |
| *Berberis vulgaris* | 1 |
| *Beta vulgaris* | 1 |
| *Betula ermanii* | 1 |
| *Betula lenta* | 1 |
| *Betula maximowicziana* | 1 |
| *Betula papyrifera* | 1 |
| *Betula pendula* | 1 |
| *Betula platyphylla* | 1 |
| *Betula sp.* | 1 |
| *Betula utilis* | 1 |
| *Bischofia javanica* | 1 |
| *Boehmeria excelsa* | 1 |
| *Bonnetia dinizii* | 1 |
| *Borago officinalis* | 1 |
| *Boswellia serrata* | 1 |
| *Bowdichia virgilioides* | 1 |
| *Brassica nigra* | 1 |
| *Brassica oleracea var. botrytis l.* | 1 |
| *Brassica oleracea var. capitata l.* | 1 |
| *Brassica oleracea var. italica* | 1 |
| *Broussonetia papyrifera* | 1 |
| *Bryonia alba* | 1 |
| *Bursera delpechiana* | 1 |
| *Buxus microphylla* | 1 |
| *Buxus sempervirens* | 1 |
| *Buxus wallichiana* | 1 |
| *Caesalpinia decapetala* | 1 |
| *Caesalpinia pulcherrima* | 1 |
| *Callicarpa americana* | 1 |
| *Callicarpa arborea* | 1 |
| *Callistemon lanceolatus* | 1 |
| *Calophyllum apetalum* | 1 |
| *Calophyllum bracteatum* | 1 |
| *Calophyllum lankaensis* | 1 |
| *Calophyllum macrocarpum* | 1 |
| *Calophyllum tomentosum* | 1 |
| *Camptotheca acuminata* | 1 |
| *Cananga odorata* | 1 |
| *Capparis spinosa* | 1 |
| *Caraipa densiflora* | 1 |
| *Caraipa densifolia* | 1 |
| *Caraipa grandifolia* | 1 |
| *Careya arborea* | 1 |
| *Carya ovata* | 1 |
| *Cassia obtusifolia* | 1 |
| *Cassia tora* | 1 |
| *Cassinia laevis* | 1 |
| *Castanea sativa* | 1 |
| *Catalpa bignonioides* | 1 |
| *Catalpa longissima* | 1 |
| *Catalpa ovata* | 1 |
| *Catharanthus roseus* | 1 |
| *Ceanothus americanus* | 1 |
| *Ceanothus velutinus* | 1 |
| *Cedrus deodora* | 1 |
| *Ceiba pentandra* | 1 |
| *Centaurium erythraea* | 1 |
| *Ceratonia siliqua* | 1 |
| *Chamaecrista greggii* | 1 |
| *Chamaesyce hypericifolia* | 1 |
| *Chimaphila umbellata* | 1 |
| *Cimicifuga racemosa* | 1 |
| *Cinchona officinalis* | 1 |
| *Cistus ladaniferus* | 1 |
| *Citrullus lanatus* | 1 |
| *Citrus aurantiifolia* | 1 |
| *Citrus limon* | 1 |
| *Citrus paradisi* | 1 |
| *Claoxylon polot* | 1 |
| *Cleonia lusitanica* | 1 |
| *Clinopodium umbrosum* | 1 |
| *Clusia arboricida* | 1 |
| *Clusia sp.* | 1 |
| *Cnicus benedictus* | 1 |
| *Coccoloba excoriata* | 1 |
| *Coffea arabica* | 1 |
| *Cola acuminata* | 1 |
| *Collinsonia canadensis* | 1 |
| *Colubrina granulosa* | 1 |
| *Combretum imberbe* | 1 |
| *Consolida ajacis* | 1 |
| *Coriaria myrtifolia* | 1 |
| *Cornus capitata* | 1 |
| *Corylus americana* | 1 |
| *Cotylelobium scabriusculum* | 1 |
| *Crateva religiosa* | 1 |
| *Crotalaria semperflorens* | 1 |
| *Croton eluteria* | 1 |
| *Croton lechleri* | 1 |
| *Cucurbita pepo* | 1 |
| *Cuphea carthagenensis* | 1 |
| *Cuphea epilobifolia* | 1 |
| *Cuphea infundibulum* | 1 |
| *Curcuma zedoaria* | 1 |
| *Cuscuta europaea* | 1 |
| *Cuscuta reflexa* | 1 |
| *Cydonia oblonga* | 1 |
| *Cymbopogon flexuosus* | 1 |
| *Cymbopogon martinii* | 1 |
| *Cymbopogon nardus* | 1 |
| *Cymbopogon parkeri* | 1 |
| *Cymbopogon winterianus* | 1 |
| *Cynara cardunculus* | 1 |
| *Cytisus scoparius* | 1 |
| *Datura innoxia* | 1 |
| *Datura stramonium* | 1 |
| *Dendroseris neriifolia* | 1 |
| *Dichrostachys glomerata* | 1 |
| *Dicoma tomentosa* | 1 |
| *Dictamnus albus* | 1 |
| *Dillenia anhamanica* | 1 |
| *Dillenia aurea* | 1 |
| *Dillenia bracteata* | 1 |
| *Dillenia indica* | 1 |
| *Dillenia pentagyna* | 1 |
| *Dillenia retusa* | 1 |
| *Dillenia scabrella* | 1 |
| *Dioscorea bulbifera* | 1 |
| *Diospyros abyssinica* | 1 |
| *Diospyros argentea* | 1 |
| *Diospyros buxifolia* | 1 |
| *Diospyros canaliculata* | 1 |
| *Diospyros celebica* | 1 |
| *Diospyros chevalieri* | 1 |
| *Diospyros cinnabarina* | 1 |
| *Diospyros consolatae* | 1 |
| *Diospyros crassiflora* | 1 |
| *Diospyros dendo* | 1 |
| *Diospyros derra* | 1 |
| *Diospyros discolour* | 1 |
| *Diospyros ebenum* | 1 |
| *Diospyros eriantha* | 1 |
| *Diospyros ferrea* | 1 |
| *Diospyros fragrans* | 1 |
| *Diospyros gabunensis* | 1 |
| *Diospyros gracilescens* | 1 |
| *Diospyros greenwayi* | 1 |
| *Diospyros hirsuta* | 1 |
| *Diospyros hoyleana* | 1 |
| *Diospyros ismailii* | 1 |
| *Diospyros iturensis* | 1 |
| *Diospyros japonica* | 1 |
| *Diospyros kaki* | 1 |
| *Diospyros kamerunensis* | 1 |
| *Diospyros leucomelas* | 1 |
| *Diospyros longiflora* | 1 |
| *Diospyros lotus* | 1 |
| *Diospyros mafiensis* | 1 |
| *Diospyros maingayi* | 1 |
| *Diospyros malanonilau* | 1 |
| *Diospyros mannii* | 1 |
| *Diospyros maritima* | 1 |
| *Diospyros melanoxylon* | 1 |
| *Diospyros mespiliformis* | 1 |
| *Diospyros mollis* | 1 |
| *Diospyros monbuttensis* | 1 |
| *Diospyros montana* | 1 |
| *Diospyros moonii* | 1 |
| *Diospyros morrisiana* | 1 |
| *Diospyros natalensis* | 1 |
| *Diospyros perigrina* | 1 |
| *Diospyros quaesita* | 1 |
| *Diospyros sanza-minika* | 1 |
| *Diospyros siamang* | 1 |
| *Diospyros siamensis* | 1 |
| *Diospyros siderophylla* | 1 |
| *Diospyros singaporensis* | 1 |
| *Diospyros spinescens* | 1 |
| *Diospyros sumatrana* | 1 |
| *Diospyros sylvatica* | 1 |
| *Diospyros thwaitesii* | 1 |
| *Diospyros tomentosa* | 1 |
| *Diospyros verrucosa* | 1 |
| *Diospyros walkeri* | 1 |
| *Diospyros wallichii* | 1 |
| *Diospyros zenkeri* | 1 |
| *Dipsacus fullonum* | 1 |
| *Dipterocarpus glandulosus* | 1 |
| *Dipterocarpus hispidus* | 1 |
| *Dipterocarpus insignis* | 1 |
| *Dipterocarpus zeylanicus* | 1 |
| *Discaria longispina* | 1 |
| *Dodonaea viscosa* | 1 |
| *Dracocephalum thymiflora* | 1 |
| *Drimys winteri* | 1 |
| *Echinops echinatus* | 1 |
| *Echinops niveus* | 1 |
| *Ehretia laevis* | 1 |
| *Elaeagnus angustifolia* | 1 |
| *Elaeagnus pungens* | 1 |
| *Elsholtzia cristata* | 1 |
| *Elsholtzia densa* | 1 |
| *Elsholtzia eriostachya* | 1 |
| *Elsholtzia nipponica* | 1 |
| *Enterolobium cyclocarpum* | 1 |
| *Ephedra nevadensis* | 1 |
| *Epilobium rosmarinifolium* | 1 |
| *Eriobotrya japonica* | 1 |
| *Eriodictyon californicum* | 1 |
| *Erythrospermum zeylanicum* | 1 |
| *Eucalyptus albens* | 1 |
| *Eucalyptus astringens* | 1 |
| *Eucalyptus blakelyi* | 1 |
| *Eucalyptus bosistoana* | 1 |
| *Eucalyptus botryoides* | 1 |
| *Eucalyptus brassiana* | 1 |
| *Eucalyptus camaldulensis* | 1 |
| *Eucalyptus cladocalyx* | 1 |
| *Eucalyptus cornea* | 1 |
| *Eucalyptus dealbata* | 1 |
| *Eucalyptus diversicolor* | 1 |
| *Eucalyptus globulus* | 1 |
| *Eucalyptus maculata* | 1 |
| *Eucalyptus maideni* | 1 |
| *Eucalyptus melliodora* | 1 |
| *Eucalyptus moluccana* | 1 |
| *Eucalyptus nova-anglica* | 1 |
| *Eucalyptus occidentalis* | 1 |
| *Eucalyptus oviformis* | 1 |
| *Eucalyptus paniculata* | 1 |
| *Eucalyptus polyanthemos* | 1 |
| *Eucalyptus punctata* | 1 |
| *Eucalyptus saligna* | 1 |
| *Eucalyptus siderophloia* | 1 |
| *Eucalyptus sideroxylon* | 1 |
| *Eucalyptus sp* | 1 |
| *Eucalyptus tereticornis* | 1 |
| *Euclea natalensis* | 1 |
| *Eucommia ulmoides* | 1 |
| *Eugenia fruticosa* | 1 |
| *Eugenia jambolana* | 1 |
| *Eugenia wallichii* | 1 |
| *Euonymus atropurpureus* | 1 |
| *Eupatorium odoratum* | 1 |
| *Euptelea polyandra* | 1 |
| *Eurya acuminata* | 1 |
| *Eurya japonica* | 1 |
| *Fagonia indica* | 1 |
| *Fagopyrum esculentum* | 1 |
| *Fagus taurica* | 1 |
| *Fallopia japonica* | 1 |
| *Ferula sumbul* | 1 |
| *Ficus thunbergii* | 1 |
| *Filipendula ulmaria* | 1 |
| *Formosia benthamiana* | 1 |
| *Forsythia suspensa* | 1 |
| *Forsythia viridissima* | 1 |
| *Frangula alnus* | 1 |
| *Frangula purshiana* | 1 |
| *Fucus vesiculosus* | 1 |
| *Galega officinalis* | 1 |
| *Galium odoratum* | 1 |
| *Ganoderma lucidum* | 1 |
| *Gelsemium sempervirens* | 1 |
| *Genipa americana* | 1 |
| *Genista tinctoria* | 1 |
| *Gentiana lutea* | 1 |
| *Geranium thunbergii* | 1 |
| *Givotia rottleriformis* | 1 |
| *Gleditsia triacanthos* | 1 |
| *Glycine max* | 1 |
| *Glycyrrhiza squamulosa* | 1 |
| *Gochnatia blanchetiana* | 1 |
| *Gossypium sp* | 1 |
| *Gratifolia officianalis* | 1 |
| *Guaiacum sp.* | 1 |
| *Guarea rusbyi* | 1 |
| *Gypsophila struthium* | 1 |
| *Haematoxylum campechianum* | 1 |
| *Hamelia patens* | 1 |
| *Hedeoma drummondii* | 1 |
| *Hedeoma reverchonii* | 1 |
| *Herpestis monniera* | 1 |
| *Hibiscus mutabilis* | 1 |
| *Hibiscus sabdariffa* | 1 |
| *Hoffmannia strigillosa* | 1 |
| *Hopea brevipetiolaris* | 1 |
| *Hopea cordifolia* | 1 |
| *Hopea jucunda* | 1 |
| *Humulus lupulus* | 1 |
| *Huperzia spp* | 1 |
| *Hyacinthus orientalis* | 1 |
| *Hydnocarpus kurzii* | 1 |
| *Hydnocarpus venenata* | 1 |
| *Hydnocarpus wightiana* | 1 |
| *Hypericum androsaemum* | 1 |
| *Hypericum elatum* | 1 |
| *Hypericum patulum* | 1 |
| *Hyptis albida* | 1 |
| *Hyptis emoryi* | 1 |
| *Ilex paraguariensis* | 1 |
| *Inga punctata* | 1 |
| *Inonotus obliquus* | 1 |
| *Iris missouriensis* | 1 |
| *Iris versicolor* | 1 |
| *Isanthus brachiatus* | 1 |
| *Jacaranda caucana* | 1 |
| *Jasminum officinale* | 1 |
| *Jasminum sambac* | 1 |
| *Jateorhiza palmata* | 1 |
| *Jatropha curcas* | 1 |
| *Jatropha gossypifolia* | 1 |
| *Juglans cinerea* | 1 |
| *Juniperus virginiana* | 1 |
| *Jussiaea suffruticosa* | 1 |
| *Justicia adhatoda* | 1 |
| *Kayea stylosa* | 1 |
| *Krameria triandra* | 1 |
| *Lactuca sativa* | 1 |
| *Lactuca scariola* | 1 |
| *Lactuca virosa* | 1 |
| *Lagochilus inebrians* | 1 |
| *Larrea tridentata* | 1 |
| *Lavandula spica* | 1 |
| *Lavandula x hybrida* | 1 |
| *Lemaireocereus griseus* | 1 |
| *Lemaireocereus hystrix* | 1 |
| *Lemaireocereus quevedonis* | 1 |
| *Lemaireocereus stellatus* | 1 |
| *Leonurus cardiaca* | 1 |
| *Lepechinia calycina* | 1 |
| *Lepechinia caulescens* | 1 |
| *Lepechinia chamaedryoides* | 1 |
| *Lepechinia glomerata* | 1 |
| *Lepidium meyenii* | 1 |
| *Lepidium sativum* | 1 |
| *Leptospermum ericoides* | 1 |
| *Leptospermum scoparium* | 1 |
| *Lespedeza davidii* | 1 |
| *Ligustrum japonicum* | 1 |
| *Limnophila rugosa* | 1 |
| *Liquidambar orientalis* | 1 |
| *Liquidambar styraciflua* | 1 |
| *Lithocarpus attenuata* | 1 |
| *Lithocarpus polystachya* | 1 |
| *Ludwigia parviflora* | 1 |
| *Luisia indivisa* | 1 |
| *Lycium chinense* | 1 |
| *Lycopodium clavatum* | 1 |
| *Lycopodium selago* | 1 |
| *Lycopus lucidus* | 1 |
| *Lythrum salicaria* | 1 |
| *Machaerocereus gummosus* | 1 |
| *Maclura pomifera* | 1 |
| *Madhuca microphylla* | 1 |
| *Madhuca nerifolia* | 1 |
| *Magnolia denudata* | 1 |
| *Mahonia aquifolium* | 1 |
| *Malus domestica* | 1 |
| *Malva neglecta* | 1 |
| *Manilkara zapota* | 1 |
| *Maranta arundinacea* | 1 |
| *Marrubium vulgare* | 1 |
| *Marsdenia reichenbachii* | 1 |
| *Maytenus aquifolium* | 1 |
| *Maytenus canariensis* | 1 |
| *Melaleuca alternifolia* | 1 |
| *Melaleuca cajuputi* | 1 |
| *Melaleuca leucadendra* | 1 |
| *Melaleuca leucadendron* | 1 |
| *Melaleuca sp* | 1 |
| *Melanoxylon brauna* | 1 |
| *Melicoccus bijugatas* | 1 |
| *Melilotus officinalis* | 1 |
| *Mentha x rotundifolia* | 1 |
| *Mercurialis annua* | 1 |
| *Mesua ferrea* | 1 |
| *Mesua myrtifolia* | 1 |
| *Metrosideros excelsa* | 1 |
| *Micromeria teneriffae* | 1 |
| *Micromeria thymifolia* | 1 |
| *Mimosa pudica* | 1 |
| *Mimusops littoralis* | 1 |
| *Mitchella repens* | 1 |
| *Mitrephora heyneana* | 1 |
| *Moldavica thymiflora* | 1 |
| *Monarda clinopodia* | 1 |
| *Moringa oleifera* | 1 |
| *Morus serrata* | 1 |
| *Mucuna pruriens* | 1 |
| *Murraya koenigii* | 1 |
| *Musa x paradisiaca* | 1 |
| *Myrciaria dubia* | 1 |
| *Myroxylon balsamum* | 1 |
| *Nerium oleander* | 1 |
| *Newcastelia viscida* | 1 |
| *Nicotiana tabacum* | 1 |
| *Nuytsia floribunda* | 1 |
| *Nymphoides peltatum* | 1 |
| *Ocimum americanum* | 1 |
| *Ocimum kilimandscharicum* | 1 |
| *Oenanthe crocata* | 1 |
| *Oenanthe javanica* | 1 |
| *Oenothera biennis* | 1 |
| *Origanum compactum* | 1 |
| *Oryza sativa* | 1 |
| *Pachira aquatica* | 1 |
| *Paeonia japonica* | 1 |
| *Paeonia lactiflora* | 1 |
| *Paeonia moutan* | 1 |
| *Paeonia officinalis* | 1 |
| *Paeonia suffruticosa* | 1 |
| *Palaquium grande* | 1 |
| *Papaver somniferum* | 1 |
| *Paullinia cupana* | 1 |
| *Pausinystalia johimbe* | 1 |
| *Pedicularis longiflora* | 1 |
| *Pelargonium graveolens* | 1 |
| *Pelargonium roseum* | 1 |
| *Persea americana* | 1 |
| *Petiveria alliacea* | 1 |
| *Peucedanum ostruthium* | 1 |
| *Phyllanthus discoideus* | 1 |
| *Phyllanthus emblica* | 1 |
| *Phyllanthus reticulatus* | 1 |
| *Phytolacca americana* | 1 |
| *Picramnia sellowii* | 1 |
| *Picrorhiza kurrooa* | 1 |
| *Pilocarpus jaborandi* | 1 |
| *Pimenta dioica* | 1 |
| *Pimpinella anisum* | 1 |
| *Pinus insularis* | 1 |
| *Pinus kesiya* | 1 |
| *Piper angustifolium* | 1 |
| *Piper auritum* | 1 |
| *Piscidia piscipula* | 1 |
| *Pistacia lentiscus* | 1 |
| *Pistacia vera* | 1 |
| *Pisum sativum* | 1 |
| *Plantago asiatica* | 1 |
| *Plantago ovata* | 1 |
| *Plantago psyllium* | 1 |
| *Platanus accrifolia* | 1 |
| *Platanus acerifolia* | 1 |
| *Platanus occidentalis* | 1 |
| *Platanus orientalis* | 1 |
| *Platanus vulgaris* | 1 |
| *Plectranthus amboinicus* | 1 |
| *Plectranthus urticifolius* | 1 |
| *Plumeria acutifolia* | 1 |
| *Plumeria obtusa* | 1 |
| *Pogostemon cablin* | 1 |
| *Polianthes tuberosa* | 1 |
| *Polygonum hydropiper* | 1 |
| *Polygonum hydropiperoides* | 1 |
| *Polygonum plebeium* | 1 |
| *Polypodium vulgare* | 1 |
| *Pongamia pinnata* | 1 |
| *Portulaca oleracea* | 1 |
| *Pouteria torta* | 1 |
| *Prosopis juliflora* | 1 |
| *Prunus domestica* | 1 |
| *Prunus dulcis* | 1 |
| *Prunus laurocerasus* | 1 |
| *Prunus persica* | 1 |
| *Prunus serotina* | 1 |
| *Prunus spinosa* | 1 |
| *Psidium guajava* | 1 |
| *Psophocarpus tetragonolobus* | 1 |
| *Psychotria adenophylla* | 1 |
| *Putoria calabrica* | 1 |
| *Pycnanthemum albescens* | 1 |
| *Pycnanthemum beadlei* | 1 |
| *Pycnanthemum californicum* | 1 |
| *Pycnanthemum clinopodioides* | 1 |
| *Pycnanthemum incanum* | 1 |
| *Pycnanthemum loomisii* | 1 |
| *Pycnanthemum montanum* | 1 |
| *Pycnanthemum muticum* | 1 |
| *Pycnanthemum pilosum* | 1 |
| *Pycnanthemum setosum* | 1 |
| *Pycnanthemum torreyi* | 1 |
| *Pycnanthemum verticillatum* | 1 |
| *Pygeum acuminatum* | 1 |
| *Quercus alba* | 1 |
| *Quercus bambusaefolia* | 1 |
| *Quercus championi* | 1 |
| *Quercus infectoria* | 1 |
| *Quercus myrsinaefolia* | 1 |
| *Quercus robur* | 1 |
| *Quercus rubra* | 1 |
| *Quillaja saponaria* | 1 |
| *Rehmannia glutinosa* | 1 |
| *Rheum rhabarbarum* | 1 |
| *Rhizophora mangle* | 1 |
| *Rhododendron arboreum* | 1 |
| *Rhododendron dauricum* | 1 |
| *Rhododendron falconeri* | 1 |
| *Rhododendron ferrugineum* | 1 |
| *Rhododendron grande* | 1 |
| *Rhododendron ponticum* | 1 |
| *Rhodomyrtus tomentosa* | 1 |
| *Rhus coriaria* | 1 |
| *Rhus glabra* | 1 |
| *Ribes uva-crispa* | 1 |
| *Robinia pseudoacacia* | 1 |
| *Rosa davurica* | 1 |
| *Rosa gallica* | 1 |
| *Rosa laevigata* | 1 |
| *Rosa rubiginosa* | 1 |
| *Rosa spp* | 1 |
| *Rosa woodsii* | 1 |
| *Rosmarinus eriocalyx* | 1 |
| *Rosmarinus tomentosus* | 1 |
| *Rosmarinus x lavandulaceus* | 1 |
| *Rosmarinus x mendizabalii* | 1 |
| *Rotala floribunda* | 1 |
| *Rubus fruticosus* | 1 |
| *Rubus parviflorus* | 1 |
| *Rubus spectabilis* | 1 |
| *Rumex acetosella* | 1 |
| *Rumex crispus* | 1 |
| *Rumex hymenosepalus* | 1 |
| *Ruta graveolens* | 1 |
| *Salix alba* | 1 |
| *Salvia canariensis* | 1 |
| *Salvia farinacea* | 1 |
| *Salvia longistyla* | 1 |
| *Salvia mexicana* | 1 |
| *Salvia nicolsoniana* | 1 |
| *Salvia sp.* | 1 |
| *Sambucus canadensis* | 1 |
| *Sambucus racemosa* | 1 |
| *Sarcostemma acidum* | 1 |
| *Sarracenia flava* | 1 |
| *Satureja odora* | 1 |
| *Satureja parvifolia* | 1 |
| *Saussurea lappa* | 1 |
| *Schefflera octophylla* | 1 |
| *Schefflera species* | 1 |
| *Schefflera venulosa* | 1 |
| *Schinus terebinthifolius* | 1 |
| *Schisandra chinensis* | 1 |
| *Schleichera oleosa* | 1 |
| *Schoenocaulon officinale* | 1 |
| *Schrebera swietenioides* | 1 |
| *Scirpus fluviatilis* | 1 |
| *Scirpus tuberosus* | 1 |
| *Sclerocarya caffra* | 1 |
| *Scoparia dulcis* | 1 |
| *Scutellaria churchilliana* | 1 |
| *Scutellaria galericulata* | 1 |
| *Scutellaria lateriflora* | 1 |
| *Scutellaria parvula* | 1 |
| *Senecio aureus* | 1 |
| *Senna alata* | 1 |
| *Senna lindheimeriana* | 1 |
| *Senna occidentalis* | 1 |
| *Sesamum indicum* | 1 |
| *Shorea affinis* | 1 |
| *Shorea congestiflora* | 1 |
| *Shorea dyerii* | 1 |
| *Shorea magistophylla* | 1 |
| *Shorea oblongifolia* | 1 |
| *Shorea ovalifolia* | 1 |
| *Shorea stipularvis* | 1 |
| *Shorea trapezifolia* | 1 |
| *Shorea zeylanica* | 1 |
| *Sideritis germanicolpitana* | 1 |
| *Sideritis mugronensis* | 1 |
| *Sideritis pauli* | 1 |
| *Simarouba amara* | 1 |
| *Skimmia arborescens* | 1 |
| *Smilax china* | 1 |
| *Solanum aviculare* | 1 |
| *Solanum laciniatum* | 1 |
| *Solanum melongena* | 1 |
| *Solanum nigrum* | 1 |
| *Solanum sessiliflorum* | 1 |
| *Solidago gigantea* | 1 |
| *Sorocea bonplandii* | 1 |
| *Spigelia marilandica* | 1 |
| *Spondianthus preussii* | 1 |
| *Stachys germanica* | 1 |
| *Stachys officinalis* | 1 |
| *Stachytarpheta cayennensis* | 1 |
| *Stellaria media* | 1 |
| *Stemonoporus affinis* | 1 |
| *Stemonoporus canaliculatus* | 1 |
| *Stemonoporus cordifolius* | 1 |
| *Stemonoporus oblongifolius* | 1 |
| *Stemonoporus petiolaris* | 1 |
| *Stemonoporus reticulatus* | 1 |
| *Sterculia urens* | 1 |
| *Stillingia sylvatica* | 1 |
| *Swertia chirata* | 1 |
| *Symphytum officinale* | 1 |
| *Symplocarpus foetidus* | 1 |
| *Symplocos racemosa* | 1 |
| *Syncarpia glomulifera* | 1 |
| *Syncarpia laurifolia* | 1 |
| *Syringa vulgaris* | 1 |
| *Syzgium claviflorum* | 1 |
| *Syzygium claviflorum* | 1 |
| *Tabebuia impetiginosa* | 1 |
| *Tabernanthe iboga* | 1 |
| *Tacca aspera* | 1 |
| *Tagetes erecta* | 1 |
| *Tagetes lucida* | 1 |
| *Talguenea quinquenervis* | 1 |
| *Tamarindus indica* | 1 |
| *Tanacetum vulgare* | 1 |
| *Taxus baccata* | 1 |
| *Tectona grandis* | 1 |
| *Tephrosia purpurea* | 1 |
| *Terminalia alata* | 1 |
| *Ternstroemia gymnanthera* | 1 |
| *Ternstromia merriliana* | 1 |
| *Tetracera akara* | 1 |
| *Tetracera indica* | 1 |
| *Tetracera sarmentosa* | 1 |
| *Tetracera scandens* | 1 |
| *Teucrium arduini* | 1 |
| *Teucrium marum* | 1 |
| *Teucrium montanum* | 1 |
| *Thuja occidentalis* | 1 |
| *Tovomita brasiliensis* | 1 |
| *Tovomita excelsa* | 1 |
| *Tovomita mangle* | 1 |
| *Tovomita pyrifolia* | 1 |
| *Triadenum japonicum* | 1 |
| *Tribulus terrestris* | 1 |
| *Trichilia hirta* | 1 |
| *Tridax procumbens* | 1 |
| *Trifolium pratense* | 1 |
| *Triticum aestivum* | 1 |
| *Tropaeolum majus* | 1 |
| *Tussilago farfara* | 1 |
| *Ulmus rubra* | 1 |
| *Vaccinium vitis-idaea* | 1 |
| *Vatica affinis* | 1 |
| *Vauquelinia corymbosa* | 1 |
| *Vellozia declinans* | 1 |
| *Verbena officinalis* | 1 |
| *Vetiveria zizanioides* | 1 |
| *Viburnum opulus* | 1 |
| *Viburnum prunifolium* | 1 |
| *Viola tricolor* | 1 |
| *Viscum articulatum* | 1 |
| *Vismia cayennensis* | 1 |
| *Vismia micrantha* | 1 |
| *Wisteria floribunda* | 1 |
| *Woodfordia floribunda* | 1 |
| *Wormia burbidgei* | 1 |
| *Wormia triquetra* | 1 |
| *Yucca baccata* | 1 |
| *Zanthoxylum alatum* | 1 |
| *Zanthoxylum americanum* | 1 |
| *Ziziphus joazeiro* | 1 |
| *Zizyphus mauritiana* | 1 |
| *Zizyphus nummularia* | 1 |
| *Zizyphus oenoplia* | 1 |
| *Zizyphus rugosa* | 1 |
| *Zizyphus spina-christi* | 1 |
| *Zizyphus trinervia* | 1 |
| *Zizyphus vulgaris* | 1 |
| *Zizyphus xylopyra* | 1 |

**Table 2** Anthelmintic compounds found in plants (with dosage if known). Data source: USDA GRIN database.

|  |  |
| --- | --- |
| Chemical | Dosage |
| 1,8-CINEOLE | -- |
| 2-NAPTHOL | -- |
| 2-UNDECANONE | -- |
| ALANTOLACTONE | 9-200 mg/child |
| ALBASPIDIN | -- |
| ALLICIN | -- |
| ALPHA-KOSIN | -- |
| ANNONIN-VI | -- |
| ARECOLINE | -- |
| ASCARIDOLE | -- |
| ASPIDIN | -- |
| ASPIDINOL | -- |
| BENZOYL-LUPININE | -- |
| BENZOYLUPININE | -- |
| BENZYL-ISOTHIOCYANATE | -- |
| BENZYL-THIOUREA | -- |
| BETA-KOSIN | -- |
| BETULINIC-ACID | -- |
| BROMOPHENOLS | -- |
| CARPOSIDE | -- |
| CARVACROL | -- |
| DESASPIDIN | 200 mg/man |
| DESGLUCOMUSENNIN | -- |
| DIHYDROISOALANTOLACTONE | -- |
| DIOSPYROL | 200-500 mg/kg |
| EMBELIN | -- |
| EUCALYPTOL | -- |
| FILICIC-ACID | -- |
| FILICIN | -- |
| FILIXIC-ACID | -- |
| FILMARONE | -- |
| GERANIOL | -- |
| HARMALINE | -- |
| HARMINE | -- |
| HEDERASAPONINS | -- |
| HELENIN | -- |
| IPOMOEARONE | -- |
| ISOALANTOLACTONE | -- |
| KHELLIN | -- |
| KOSOTOXIN | -- |
| MANNITOL | -- |
| MARMELOSIN | -- |
| MUCUNAIN | -- |
| PALASONIN | -- |
| PAPAIN | -- |
| PELLETIERINE | -- |
| PELLETIERINE-TANNATE | -- |
| POLYPHENOLS | -- |
| PROTOKOSIN | -- |
| ROTTLERIN | -- |
| SABINOL | -- |
| SANTONIN | 60-200 mg/man/day/orl |
| TANNIN | -- |
| THUJONE | -- |
| THYMOL | -- |
| VANILLIC-ACID | -- |
| VASICINONE | -- |