

Moderate elevation arid land plant list:

Native Nitrogen Fixers

Mesquite, Honey pod (*Prosopis glandulosa*) *good pods, animal forage, bee forage*
Alder, Italian (*Alnus cordata*) *fast growing, windbreak, riparian, bee forage*
Redbud, Western (*Cercis occidentalis*) *edible flowers, bee forage*
California Lilac (*Ceanothus*) *bee forage*
Buffalo Berry (*Shepherdia canadensis*) *fair fruit*
Coffeeberry (*Rhamnus californica*) *bee forage*
Blue Palo Verde (*Cercidium floridum*)
Lupine (*Lupinus* species) *bee forage*
Mountain Mahogany (*Cercocarpus montanus*) *slow growing*
False Indigo (*Amorpha fruticosa*)

Non-Native Nitrogen Fixers

Sea Buckthorn (*Hippophae rhamnoides*) *excellent fruit, salt tolerant, no fertilizer*
Goumi (*Elaeagnus multiflora*) *excellent fruit, fast growing, chicken forage, salt tolerant, wind tolerant, no fertilizer*
Russian Olive (*Elaeagnus angustifolia*) *good fruit/seed, makes lots of organic matter, windbreak*
Autumn Olive (*Elaeagnus umbellata*)
Black Locust (*Robinia pseudoacacia*) *fast growing, edible flowers, bee forage*
Siberian Pea Shrub (*Caragana arborescens*) *fast growing, edible seeds, chicken forage, needs sun, needs dry air*
Tagasaste *animal forage, bee forage*
Acacia (*Acacia aneura/decurrens/longifolia*) *animal forage, bee forage, can't be pollarded, nonhardy*
 A. retinodes, A. Stenophylla, A. pendula
Silktree (*Albizia julibrissin*)
Casuarina *nitrogen and phosphorus, nonhardy*
 C. cristata, C. Cunninghamiiana
Pagoda Tree (*Sophora japonica*) *ornamental*

Other Beneficials

Honey Locust (*Gleditsia triacanthos*) *fast growing, chicken forage, animal forage, animal barrier, bee forage, flour*
Carob (*Ceratonia siliqua*) *animal forage, flour, evergreen, needs dry air, wind tolerant*
Tamarisk (*Tamarix* species) *locks up salt, used as mulch will help desalinate*
Hybrid Poplar (*Populus* spp) *animal forage, fast growing, shade tree*
Ice Plant (*Mesembryanthemum crystallinum*) *straw mulch replacement, cheaper and better, encourages fungus over bacteria, trees love it*

Bee Forage

California Poppy (*Eschscholzia californica*) *native*
Manzanita (*Arctostaphylos*) *native, fermented beverage*
Salal (*Gaultheria shallon*) *native, edible berries, evergreen, salt tolerant, wind tolerant*
Lemonade Berry (*Rhus typhina*)
*Sage (*Salvia* species)
Mustard (*Brassica* species)
Radish (*Raphanus sativus*)
Pumpkin/Squash/Gourd (*Cucurbita* species)
*Onion (*Allium cepa*)
Alfalfa (*Medicago sativa*)
Borage (*Borago officinalis*)
Bee Balm (*Monarda didyma*)
Buckwheat (*Eriogonum* species)
Chicory (*Cichorium intybus*)
Clover, Dutch White (*Trifolium repens*)
Comfrey (*Symphytum*)
Dandelion (*Taraxacum*)
Hyssop (*Hyssopus officinalis*)

*Lavender (*Lavandula*)
Lemon Balm (*Melissa officinalis*)
*Marjoram (*Origanum marjorana*)
Mint (*Mentha* species)
Pride of Madeira (*Echium candicans*)
*Rosemary (*Rosmarinus officinalis*)
Sunflower (*Helianthus annuus*)
*Tarragon (*Artemisia dracunculoides*) *native*
*Thyme (*Thymus vulgaris*)
Willow (*Salix* species) *coppice for fuelwood*
*Yarrow (*Achillea millefolium*) *native*

Fruit Trees

Jujube (*Zizyphus jujube*) *needs sun, loves heat, salt tolerant*
Mulberry (*Morus nigra/alba*) *fast growing, good fruit, chicken forage, flour, no fertilizer, loves heat, wind tolerant*
Persimmon (*Diospyros virginiana/kaki*) *chicken forage*
Fig (*Ficus carica*) *needs sun, loves heat, wind tolerant, no fertilizer*
Pomegranate (*Punica granatum*) *needs sun, loves heat*
Olive (*Olea europaea*) *oil, evergreen, needs sun, loves heat, needs dry air*
Apricot (*Prunus armeniaca* var. *Tomcot*) *bee forage, needs sun, needs dry air*
Pineapple Guava (*Feijoa sellowiana*) *evergreen, loves heat, salt tolerant*
Apple (*Malus domestica*) *bee forage*
Pear (*Pyrus communis sativa*) *bee forage*
Peach/Nectarine (*Prunus persica* var. *July Alberta*) *bee forage, needs sun, loves heat*
Hawthorn (*Crataegus douglasii*) *bee forage, wind tolerant*
Loquat (*Eriobotrya japonica*) *evergreen, salt tolerant, wind tolerant*
Quince (*Cydonia oblonga*) *needs sun, hates wind*
Cherry (*Prunus pumila*) *bee forage, needs sun*
Plum (*Prunus domestica*)
Pluot (Plum x Apricot)
Lemon (*Citrus limon*) *sunny spot w/ thermal mass, bee forage, evergreen, needs sun, loves heat*
Service Tree (*Sorbus domestica*)
Cornelian Cherry (*Cornus mas*)
Pawpaw (*Asimina triloba*) *needs shade when young, lots of organic matter*
Raisin Tree (*Hovenia dulcis*)
Che (*Cudrania tricuspidata*)
Carob (*Ceratonia siliqua*) *difficult to grow at higher elevations*

Nut Trees

Walnut, English (*Juglans regia*) *grafted on California Black Walnut*
Chestnut (*Castanea mollissima/sativa*) *chicken forage, naturally durable fence posts*
Hazelnut (*Corylus avellana*) *needs shade, wind tolerant*
Almond (*Prunus dulcis*) *animal forage, bee forage, oil, needs sun, loves heat, needs dry air, hates wind*
Ginkgo (*Ginkgo biloba*) *hates wind*
Oak, Holm (*Quercus ilex rotundifolia*) *animal forage, acorns, excellent timber*
Heartnut (*Juglans ailanthifolia cordiformis*)
Pistachio (*Pistacia vera*) *needs sun, loves heat, needs dry air*
Pine Nut *native, evergreen, needs sun, resin, timber*
 Whitebark Pine (*Pinus albicaulis*) 20m, slow
 Big Cone Pine (*Pinus coulteri*) 18m, medium
 Rocky Mountain Piñon Pine (*Pinus edulis*) 15m, slow, 25 yrs, *rare species*
 Single Leaf Piñon Pine (*Pinus monophylla*) 10m, slow, 25 yrs
 Parry Piñon Pine (*Pinus quadrifolia*) 15m, slow, 25 yrs
 Digger Pine (*Pinus sabiniana*) 25m, fast

Fruiting Vines and Berries

Saskatoon (*Amelanchier alnifolia*)
Raspberry (*Rubus idaeus*) *native, bee forage*
Blackberry (*Rubus laciniatus/fruticosus*) *bee forage*
Gooseberry (*Ribes uva-crispa*) *bee forage, needs shade*
Currant (*Ribes odoratum, aureum, americanum*) *bee forage*
Grape (*Vitis vinifera*) *needs sun, loves heat*
Kiwi (*Actinidia deliciosa/arguta/kolomikta/polygama*)
Chilean Guava (*Ugni molinae*) *excellent fruit resembling strawberries, evergreen, wind tolerant*
Schisandra (*Schisandra chinensis*) *nutritious fruit, medicinal, leaves cooked as vegetable*
Elderberry (*Sambucus spp*) *bee forage, salt tolerant*
Blueberry (*Vaccinium spp*) *acid, moist soil, evergreen*
Loganberry (*Rubus loganobaccus*)
Jostaberry (*Ribes x culverwellii*)
Strawberry, Alpine and Musk (*Fragaria vesca/moschata*)
Goji Berry (*Lycium barbarum*) *needs sun*
Banana Yucca (*Yucca baccata*) *native, good fruit*
Maypop (*Passiflora incarnata*)
Hops (*Humulus lupulus*) *medicinal, leaves cooked as vegetable*
Lemonade Berry (*Rhus typhina*)

Perennial Vegetables

*Saltbush (*Atriplex halimus*) 5 *wind resistant*
Bamboo (*Bambusa oldhamii*)
Daylily (*Hemerocallis fulva*) 5
Moringa (*Moringa stenopetala*) *must be sheltered from chill, loves heat*
Banana (*Musa x paradisiaca 'Rajapuri'*) *must be sheltered from wind and chill, evergreen, needs sun, loves heat*
Sunchoke (*Helianthus tuberosus*) 4 *must be sheltered from wind*
Lablab Bean (*Lablab purpureus*) 4
Sheep Sorrel (*Rumex acetosella*) 4
Sylvestra Arugula (*Diplotaxis tenuifolia*) 4
*Prickly Pear (*Opuntia species*) 3 *animal barrier, evergreen, needs sun*
*New Zealand Spinach (*Tetragonia tetragonioides*) 3
Bull Nettle (*Cnidoscolus palmeri*)
Spurge Nettle (*Cnidoscolus stimulosus*)
Cassava (*Manihot esculenta*)
Chaya (*Cnidoscolus chayamansa*)
Scorzonera (*Scorzonera hispanica*)

Other

Aloe Vera (*Aloe vera*)
Fennel (*Foeniculum vulgare*)
Golden Garlic (*Allium moly*)
Licorice (*Glycyrrhiza lepidota*) *native*

Deciduous Trees w/ Light Shade for Garden

Ginkgo 35-70' tall
Jujube 20' tall
Elderberry 6-30' tall
Mountain Ash 15-20' tall
Siberian Pea Shrub 15' tall
Yellowhorn 15-25' tall

Produce Lots of Organic Matter

Elaeagnus species
Alfalfa

Artichoke
Bamboo
Canna Lily
Cardoon
Chayote
Chicory
Comfrey
Cow Parsnip
Fennel
Groundcherry
Hops
Horseradish
Japanese Coltsfoot
Nettles
Potato
Rhubarb
Sunchoke
Yacon
Angelica
Borage
Mugwort
Pineapple Sage
Valerian
White Clover

Fiber

Indian Hemp (*Apocynum cannabinum*) native, perennial, stem fiber
Kenaf (*Hibiscus cannabinus*)
Jute (*Corchorus capsularis*) edible leaves
Ramie (*Boehmeria nivea*)
Flax (*Linum usitatissimum*) flaxseed
Sisal (*Agave sisalana*) leaf fiber
Yucca (*Yucca elata*) soap
New Zealand Flax (*Phormium tenax*)

Food Forest Species

*Mesquite
Sea Buckthorn
*Elaeagnus species
Honey Locust
*Ice Plant
Salal
*Jujube
*Mulberry
Persimmon
*Saskatoon
*Saltbush
*Elderberry
Hazelnut
Pomegranate

Nitrogen Fixers

Mesquite, Honeypod (*Prosopis glandulosa*) *native*
Goumi (*Elaeagnus multiflora*) *produces lots of organic matter, salt tolerant, wind tolerant*
Autumn Olive (*Elaeagnus umbellata*) *produces lots of organic matter, salt tolerant*
Sea Buckthorn (*Hippophae rhamnoides*) *salt tolerant*
Alder, Italian (*Alnus cordata*)
Siberian Pea Shrub (*Caragana arborescens*) *basic soil, salt tolerant, wind tolerant*
Black Locust (*Robinia pseudoacacia*)

Perennial Vegetables

Saltbush (*Atriplex halimus*) *basic soil, salt tolerant*
Chaya (*Cnidoscolus chayamansa*) *productive and nutritious edible leaves, stingless variety*
Moringa (*Moringa stenopetala*) *incredibly nutritious edible leaves, basic soil, heat*
Sheep Sorrel (*Rumex acetosella*) *groundcover, dynamic accumulator*
Sylvestra Arugula (*Diplotaxis muralis* and *D. tenuifolia*) *excellent salad green*
Chicory (*Cichorium intybus*) *dynamic accumulator, produces lots of organic matter*
Dandelion (*Taraxacum officinale*) *dynamic accumulator*
Comfrey (*Symphytum officinale*) *dynamic accumulator, produces lots of organic matter*
Daylily (*Hemerocallis* spp) *edible flowers and flowerbuds, thrive on neglect, groundcover*
Nopale Cactus (*Opuntia* spp)

Fruit

Jujube (*Zizyphus jujube*) *basic soil, heat, salt tolerant*
Pomegranate (*Punica granatum*) *basic soil, heat*
Mulberry (*Morus* spp) *heat, wind tolerant, moderate nitrogen need*
Apple (*Malus domestica*) *moderate nitrogen need*
European Plum (*Prunus domestica*) *wind tolerant, high nitrogen need*
Saskatoon (*Amelanchier alnifolia*) *low nitrogen need*
Salal (*Gaultheria shallon*) *salt tolerant, wind tolerant*
Grape (*Vitis* spp) *heat*
Kiwifruit (*Actinidia* spp)

Nuts

Walnut, English (*Juglans regia*) *basic soil, no late frost, high nitrogen need*
Chestnut (*Castanea* spp) *high nitrogen need*
Hazelnut (*Corylus* spp) *basic soil, wind tolerant, moderate nitrogen need*
Almond (*Prunus dulcis*) *basic soil, heat, hates wind, no late frost*
Ginkgo (*Ginkgo biloba*) *basic soil, hates wind*

Palms

Washingtonia filifera (Phosphate fixing)
Sabal Palms
 S. minor, cultivar 'McCurtain'
 S. palmetto

Walnut foes: **Alder**, Perennial Brassicas, **Chestnut**, **Apple**, **Pear**, Rhubarb, Blackberry, Blueberry, **Grape**
Walnut friends: Alliums, **Hazelnut**, Persimmon, Honey Locust, Jerusalem Artichoke, **Daylily**, **Mulberry**, Oak, **Black Locust**, Black Raspberry, **Elderberry**, **Dandelion**, **Wild Grape**