



# Santa Barbara Organics

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ISA Certified Arborist # WE 7805A

Licensed Nursery A13999.001

Certified Permaculture Design

## **RegenTREES:** for SoCal

Criteria- edible, useful, n-fixing, habitat forming, locally adapted

## **Native Nitrogen Fixers:**

Trees and large shrubs:

- Acacia, Cat's Claw (*Acacia greggii*) medicinal, bee forage
- Alder (*Alnus cordata*) fast growing, windbreak, riparian, bee forage
- California Lilac (*Ceanothus spp.*) bee forage
- Chaparral Pea (*Pickeringia montana*), bee forage, low growing
- Coffeeberry (*Rhamnus californica*) bee forage
- False Indigo (*Amorpha fruticosa*)
- Ironwood (*Olneya tesota*) wood, bee forage, windbreak
- Mesquite (*Prosopis spp.*)
- Mesquite, Honeylocust (*Prosopis glandulosa*) edible pods, animal forage, bee forage, wood
- Mountain Mahogany (*Cercocarpus montanus*) slow growing
- Palo Verde (*Cercidium floridum*, *C. microphyllum*)
- Redbud, Western (*Cercis occidentalis*) edible flowers, bee forage
- Smoke Tree (*Psoralea argophylla*)

Shrubs and Herbs:

- Buffalo Berry (*Shepherdia canadensis*) fair fruit
- Chaparral Pea (*Pickeringia*)
- Clover (*Trifolium spp.*)
- Deer Vetch (*Lotus crassifolius*) bee forage
- Deer Weed (*Lotus scoparius*) bee forage
- Fairy Duster (*Calliandra eriophylla*)
- Indigo Bush (*Dale sp.*)
- Leather Root (*Hoita syn. Psoralea orbicularis*)
- Locoweed (*Astragalus nuttallii*)
- Lupine (*Lupinus spp.*)
- Lupine (*Lupinus spp.*) bee forage
- Marina (*Marina parryi*)
- Milk Vetch (*Astragalus sp.*) medicinal, bee forage

## **Non-Native Nitrogen Fixers:**

Trees and large shrubs:

- Acacia, Wattles (*A. aneura*, *A. decurrens*, *A. longifolia*, *A. melanoxylon*, *A. retinodes*, *A. stenophylla*, *A. pendula*) animal forage, bee forage, can't be pollarded, nonhardy
- Autumn Olive (*Elaeagnus umbellata*)

- Black Locust (*Robinia pseudoacacia*) fast growing, edible flowers, bee forage
- Casuarina (*C. cristata*, *C. cunninghamiana*) nitrogen and phosphorus, nonhardy
- Golden Showers Tree (*Cassia fistula*)
- Goumi (*Elaeagnus multiflora*) excellent fruit, fast growing, chicken forage, salt tolerant, wind tolerant, no fertilizer
- Honey Locust (*Gleditsia triacanthos var inermis*) fast growing, chicken forage, animal forage, animal barrier, bee forage, flour
- Ice Cream Bean (*Inga edulis*) edible pods, coppice
- Leuceana, Guajé (*Leuceana leucocephala*) edible pods, bee forage, low water
- Pagoda Tree (*Sophora japonica*) ornamental
- Russian Olive (*Elaeagnus angustifolia*) good fruit/seed, makes lots of organic matter, windbreak
- Sea Buckthorn (*Hippophae rhamnoides*) excellent fruit, salt tolerant, no fertilizer
- Siberian Pea Shrub (*Caragana arborescens*) fast growing, edible seeds, chicken forage, needs sun, needs dry air
- Silktree (*Albizia julibrissin*)
- Tipu Tipu (*Tipuana tipu*)
- Tree Lucerne, Tagasaste (*Cytisus proliferus*) animal forage, bee forage

#### Shrubs and Herbs:

- Alfalfa (*Medicago sativa*) bee forage, animal feed
- Lab Lab bean (*Lablab purpureus*)
- Licorice (*Glycyrrhiza lepidota*) medicinal root, flavoring
- Sweetclover (*Melilotus spp.*) bee forage, animal feed

#### **Other Beneficials:**

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

#### **Timber Trees:**

- Acacia, Black (*A. melanoxylon*) A+, toxic dust when milling, bee forage, suckers/coppice
- Ash (*Fraxinus spp.*) A, not resistant to insects
- Black Locust (*Robinia pseudoacacia*) A++, extremely durable wood, 80 yrs ground contact, N-fix
- Cedar, Deodar (*Cedrus deodora*) A, long lived
- Cypress, Monterey (*Cupressus macrocarpa*) A, Ca. native, need pruning to maintain single trunk
- Oak, Holm (*Quercus ilex rotundifolia*) A, excellent timber, animal forage, acorns, Truffel associate
- Olive (*Olea europea*) B, very durable, difficult to work
- Pine, Aleppo (*Pinus halapensis*) C, resinous
- Pine, Monterey (*Pinus radiata*) C, interior applications
- Pine, Stone (*Pinus pinea*) B, pine nut
- Pine, Sugar (*Pinus lambertiana*)
- Red Box Gum (*Eucalyptus polyanthemos*) A+ hardwood
- Red Gum (*Eucalyptus camaldulensis*) A, tight grain wood
- Red Iron Bark (*Eucalyptus sideroxylon*) A,
- Redwood (*Sequoia sempervirens*) A+, Ca. native, moist soil
- Silky Oak (*Grevillea robusta*) A+, toxic dust when milling

- Sugar Gum (*Eucalyptus cladocalyx*) A, extremely hard, to 100 ft
- Swamp Mahogany (*Eucalyptus robusta*) A, heavy, purple wood, waterlogged soils
- Sycamore (*Platanus racemosa*) A, Ca. native, figured wood, waterlogged soils
- Walnut, Black (*Juglans nigra*) A+, Ca. native, medicinal fruit

Other Wood Uses:

- Black Walnut (*Juglans nigra*) A+ burlwood
- Oak, Cork (*Quercus suber*) cork bark, acorns, insecticide from fruit
- Pomme fruits (Apple, Pear, Quince) charcoal, burls for turning
- Stone Fruits (Plum, Cherry, Almond) charcoal, burls for turning

**Bee Forage:**

- Alfalfa (*Medicago sativa*)
- Bee Balm (*Monarda didyma*)
- Borage (*Borago officinalis*)
- Buckwheat (*Eriogonum spp.*)
- California Poppy (*Eschscholzia californica*) native
- Chicory (*Cichorium intybus*) coffee substitute
- Clover, Dutch White (*Trifolium repens*)
- Comfrey (*Symphytum sp.*)
- Dandelion (*Taraxacum officinalis*) coffee substitute, medicinal
- Hyssop (*Hyssopus officinalis*)
- Laurel Sumac (*Malosma syn Rhus laurina*) Ca. native, late season bee forage
- Lavender (*Lavandula angustifolia*)
- Lemon Balm (*Melissa officinalis*)
- Lemonade Berry (*Rhus integrifolia*)
- Manzanita (*Arctostaphylos*) native, fermented beverage
- Marjoram (*Origanum marjorana*)
- Mint (*Mentha spp.*)
- Mugwort (*Artemisia dracuncululus*) Ca. native
- Mustard (*Brassica species*)
- Onion (*Allium cepa*)
- Pride of Madeira (*Echium fastuosum*) low water, fast growing wind break, short lived
- Pumpkin/Squash/Gourd (*Cucurbita species*)
- Radish (*Raphanus sativus*)
- Rosemary (*Rosmarinus officinalis*)
- Sage (*Salvia species*)
- Salal (*Gaultheria shallon*) native, edible berries, evergreen, salt tolerant, wind tolerant
- Sunflower (*Helianthus annuus*)
- Thyme (*Thymus vulgaris*)
- Willow (*Salix species*) Ca. native, coppice for fuelwood
- Yarrow (*Achillea millefolium*) Ca. native

**Fruit Trees:**

Native Fruit Trees and Shrubs:

- Blackberry (*Rubus ursinus*) bee forage
- Coffeeberry (*Rhamnus californica*) bee forage, N-fix

- Currant (*Ribes odoratum, aureum, americanum*) bee forage
- Gooseberry (*Ribes uva-crispa*) native, bee forage, needs shade
- Holly Leaf Cherry (*Prunus illicifolia*) full sun, spiny leaves, thin fruit
- Lemonade Berry (*Rhus integrifolia*) native, fruit make nice drink, bee forage, soil stabilizer

#### Non-Native Fruit Trees and Shrubs

- Apple (*Malus domestica*) bee forage
- Apricot (*Prunus armeniaca*) bee forage, needs sun, needs dry air
- Capulin Cherry (*Prunus salicifolia*) good fruit, low chill, low water
- Carob (*Ceratonia siliqua*) low water, need male and female, difficult to grow at higher elevations
- Che (*Cudrania tricuspidata*)
- Cherry (*Prunus pumila*) bee forage, needs sun, chill
- Cornelian Cherry (*Cornus mas*) very hard wood
- Fig (*Ficus carica*) needs sun, loves heat, wind tolerant, no fertilizer
- Hawthorn (*Crataegus douglasii*) bee forage, wind tolerant
- Jujube (*Zizyphus jujube*) needs sun, loves heat, salt tolerant
- Lemon (*Citrus limon*) bee forage, evergreen, needs sun, loves heat
- Loquat (*Eriobotrya japonica*) evergreen, salt tolerant, wind tolerant
- Mulberry (*Morus nigra, M. alba*) fast growing, good fruit, chicken forage, flour, no fertilizer, loves heat, wind tolerant
- Olive (*Olea europaea*) oil, evergreen, needs sun, loves heat, needs dry air
- Pawpaw (*Asimina triloba*) needs shade when young, lots of organic matter
- Peach/Nectarine (*Prunus persica*) bee forage, needs sun, loves heat
- Pear (*Pyrus communis sativa*) bee forage
- Persimmon (*Diospyros virginiana, D. kaki*) fruit, chicken forage
- Pineapple Guava (*Acca syn. Feijoa sellowiana*) evergreen, loves heat, salt tolerant
- Plum (*Prunus domestica*)
- Pluot (Plum x Apricot)
- Pomegranate (*Punica granatum*) needs sun, loves heat
- Quince (*Cydonia oblonga*) needs sun, hates wind
- Raisin Tree (*Hovenia dulcis*)
- Sapote, White (*Cassimiroa edulis*) excellent fruit, wind tolerant, low water
- Service Tree (*Sorbus domestica*)

#### **Fruiting Shrubs, Vines and Berries:**

- Banana Yucca (*Yucca baccata*) native, good fruit, low water
- Blackberry (*Rubus laciniatus, R. fruticosus, R. armeniacus*) bee forage
- Blueberry (*Vaccinium spp*) acid, moist soil, evergreen
- Boysenberry (*Rubus ursinus x ideaus*) low growing, smaller thorns, large fruit non acid
- Cape Gooseberry (*Physalis peruviana*) nice fruit, low water
- Chilean Guava (*Ugni molinae*) excellent fruit resembling strawberries, evergreen, wind tolerant
- Dragon Fruit (*Hylocereus undatus*) nice fruit, epiphytic
- Elderberry (*Sambucus mexicana, S. nigra*) bee forage, salt tolerant
- Goji Berry (*Lycium barbarum*) needs sun, low water
- Grape (*Vitis vinifera*) needs sun, loves heat
- Hops (*Humulus lupulus*) medicinal, leaves cooked as vegetable, ample water
- Jostaberry (*Ribes x culverwellii*)

- Kiwi (*Actinidia deliciosa*, *A. arguta*, *A. kolomikta*, *A. polygama*) hates wind, ample water
- Loganberry (*Rubus loganobaccus*)
- Passionfruit, Maypop (*Passiflora incarnata*, *P. edulis*) passionfruit, ample water
- Pepino Melon (*Solanum muricatum*) ample water, some shade
- Pineapple Guava (*Acca sellowiensis*) excellent fruit, wind and salt tolerant, low water
- Pitaya (*Cereus rependus*) very low water, nice fruit
- Raspberry (*Rubus idaeus*) bee forage
- Saskatoon (*Amelanchier alnifolia*)
- Schisandra (*Schisandra chinensis*) nutritious fruit, medicinal, leaves cooked as vegetable
- Strawberry, Alpine and Musk (*Fragaria vesca*, *F. moschata*) shade tolerant, moist soil

### **Nut Trees:**

- Almond (*Prunus dulcis*) animal forage, bee forage, oil, needs sun, loves heat, needs dry air, hates wind, low water
- Chestnut (*Castanea mollissima/sativa*) chicken forage, naturally durable fence posts, ample water
- Digger Pine (*Pinus sabiniana*) 25m, fast
- Ginkgo (*Ginkgo biloba*) hates wind
- Hazelnut (*Corylus avellana x*) needs shade, wind tolerant, ample water
- Heartnut (*Juglans ailanthifolia cordiformis*)
- Macadamia (*Macadamia integrifolia*) frost tender, low water
- Oak, Cork (*Quercus suber*) cork bark, acorns, insecticide from fruit
- Oak, Holm (*Quercus ilex rotundifolia*) animal forage, acorns, excellent timber, Truffel associate
- Oak, White (*Quercus alba*) lowest tannins of all acorns
- Oak, Valley (*Quercus lobata*) low tannins, large acorn, longest lived and largest oak
- Pecan (*Carya illinoensis*) ample water
- Pine, Big Cone (*Pinus coulteri*) 18m, medium
- Pine, Stone (*Pinus pinea*) pine nuts, resin, timber
- Pine, Whitebark (*Pinus albicaulis*) 20m, slow
- Piñon Pine, Parry (*Pinus quadrifolia*) 15m, slow, 25 yrs
- Piñon Pine, Rocky Mountain (*Pinus edulis*) 15m, slow, 25 yrs, rare species
- Piñon Pine, Single Leaf (*Pinus monophylla*) 10m, slow, 25 yrs
- Pistachio (*Pistacia vera*) needs sun, loves heat, needs dry air
- Walnut, Black (*Juglans nigra*) excellent timber, medicinal, low water
- Walnut, English (*Juglans regia*) grafted on California Black Walnut, low water

### **Perennial Vegetables:**

- Bamboo, Timber (*Bambusa oldhamii*) shoots edible
- Banana (*Musa x paradisiaca 'Rajapuri'*) must be sheltered from wind and chill, evergreen, needs sun, loves heat
- Bull Nettle (*Cnidocolus palmeri*)
- Cassava (*Manihot esculenta*) frost sensitive
- Chaya (*Cnidocolus chayamansa*)
- Daylily (*Hemerocallis fulva*) flowers
- Lablab Bean (*Lablab purpureus*)
- Moringa (*Moringa stenopetala*) must be sheltered from chill, loves heat
- Nettle (*Urtica dioica*) Ca. native, riparian, liver cleanser
- New Zealand Spinach (*Tetragonia tetragonioides*)

- Prickly Pear (*Opuntia ficus-indica*) animal barrier, edible pads and fruit, needs sun, low water
- Rhubarb (*Rheum rhabarbarum*)
- Saltbush (*Atriplex halimus*) wind resistant
- Scorzonera (*Scorzonera hispanica*)
- Sheep Sorrel (*Rumex acetosella*)
- Spurge Nettle (*Cnidoscolus stimulosus*)
- Sunchoke, Jerusalem Artichoke (*Helianthus tuberosus*) must be sheltered from wind
- Sylvetta Arugula (*Diplotaxis tenuifolia*)

#### Other

- Aloe Vera (*Aloe vera*)
- Fennel (*Foeniculum vulgare*)
- Golden Garlic (*Allium moly*)
- Licorice (*Glycyrrhiza glabra*) low water

#### **Deciduous Trees w/ Light Shade for Garden**

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

#### **Produce Lots of Organic Matter**

- Alfalfa
- Angelica
- Artichoke
- Bamboo
- Borage
- Canna Lily
- Cardoon
- Chayote
- Chicory
- Comfrey
- Cow Parsnip
- Elaeagnus species
- Fennel
- Groundcherry
- Hops
- Horseradish
- Japanese Coltsfoot
- Mugwort
- Nettles
- Pineapple Sage
- Potato
- Rhubarb
- Sunchoke

- Valerian
- White Clover
- Yacon

### **Fiber**

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

### **Palms**

- Chilean Wine Palm (*Jubea chilensis*) fruit like miniature coconuts
- Fan Palm (*Washingtonia filifera*) phosphate fixing
- Jelly Palm (*Butia capitata*) nice fruit, low water
- Sabal Palms (*S. minor* '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