

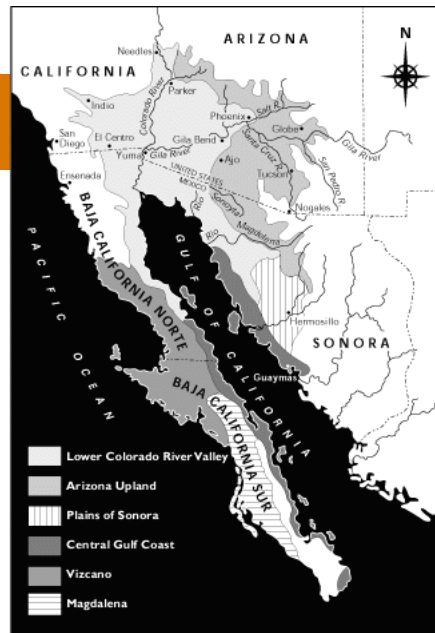
What is native?



David Siskin 1999



Mark Dimmitt 1973



Why native plants?

1. Long and thoughtful observation
2. Start at the top of your watershed
3. Always plan an overflow
- 4. Start with small and simple strategies**
5. Spread, slow and sink
6. Maximize living/organic groundcover
7. Stack functions
8. Continually evaluate

Less Irrigation

This is your Creosote



This is your Creosote on irrigation



Less Maintenance

- Select the right location and your native plants will need little to no maintenance
- Less irrigation also means less maintenance
- Leave debris to become mulch and have even less maintenance!



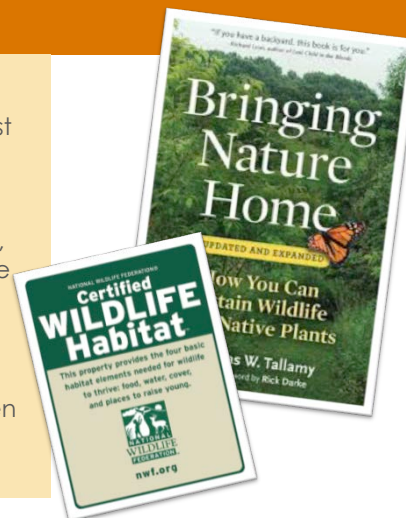
Less Fertilizer

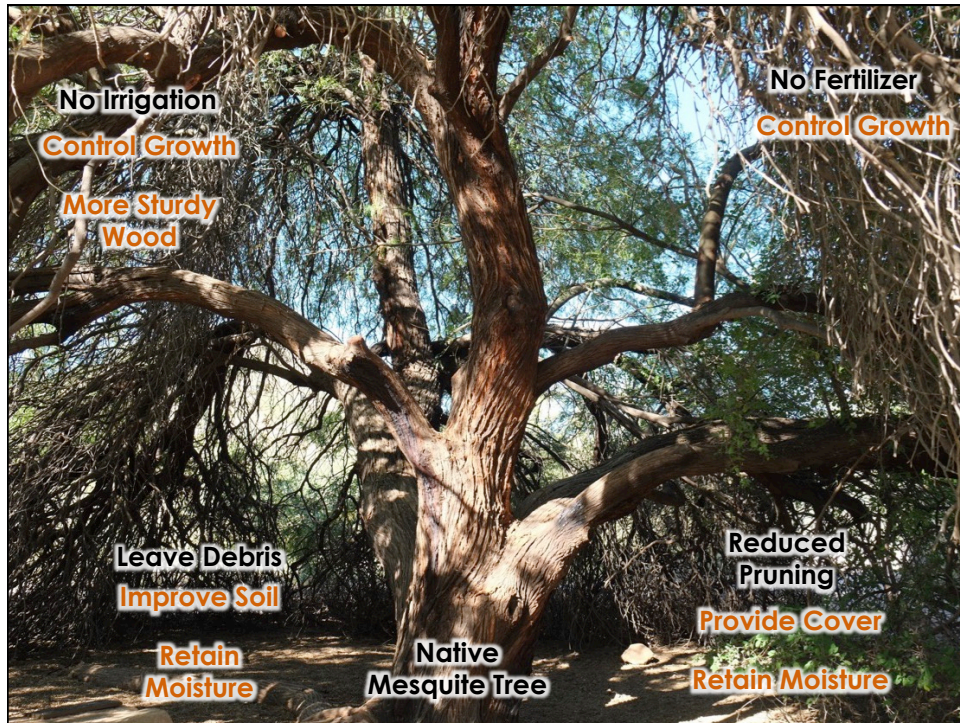
Native plants have evolved in native soil conditions



More Habitat

- Native plants are essential to preserve biodiversity as specialist species depend on them for survival
- To create habitat provide: food, water, cover, and places to raise young
- National Wildlife Foundation
- City of Glendale, Wildlife Garden Guide





Strategies for Selecting Your Plants

Understand your space

- What does the yard look like, including any existing features?
- Are there utilities to avoid? (Bluestake – Arizona 811)
- Are there any grading/drainage concerns?
- Do you have any soil issues, such as caliche?
- Where are shaded areas? Exposed areas? East? West?
- Can you provide irrigation? If so what methods are available?
- Are there any views you want to maintain or screen?
- What positive aspects do you want to maintain?

What plants do you have in your yard now?

Understand your goals

What do you want your landscape to do for you?

- Shade
- Screening (visual or sound)
- Dining, living, playing, relaxing
- Wildlife habitat
- Support water harvesting features
- Beauty/Aesthetics

What goals do you have for your yard?

Make yourself a diagram

- Use site analysis diagram to identify a general outline of what you will need
- Think in terms of creating spaces
- Try not to commit to specific plant species yet

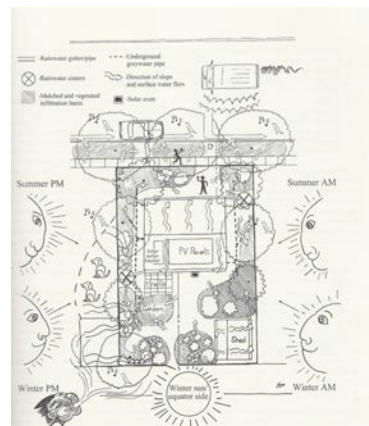
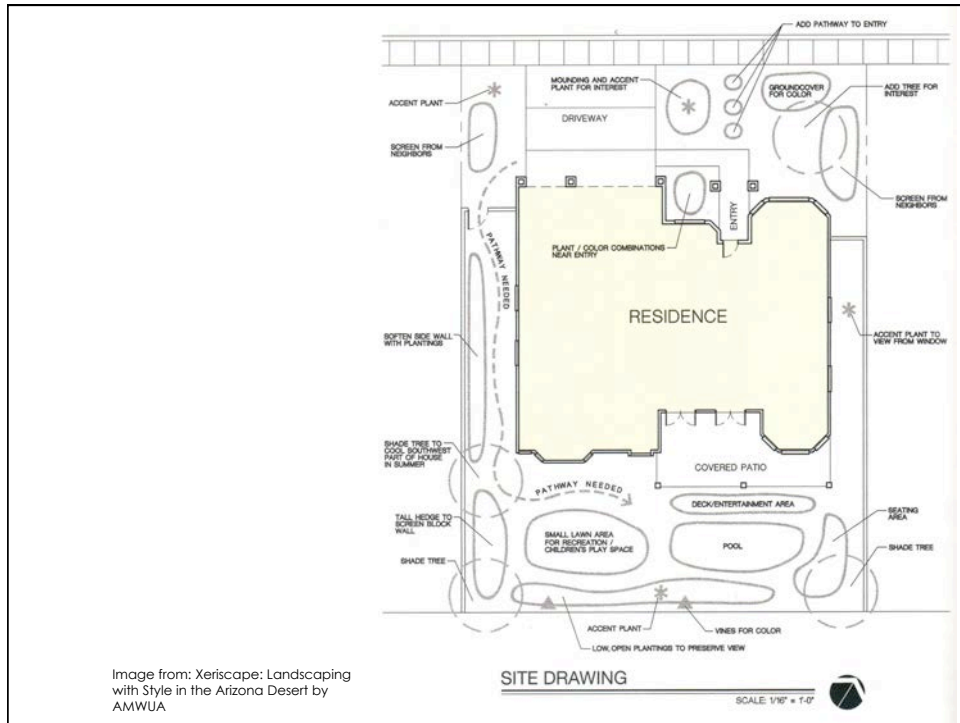


Image from: Rainwater Harvesting for Drylands and Beyond Vol 1.
by Brad Lancaster



What to consider...

| | |
|---|---|
| <ul style="list-style-type: none"> Scientific and common name Origin and/or native habitat Foliage form and characteristics Size Flowering and fruiting Temperature hardiness | <ul style="list-style-type: none"> Sun exposure Soil Watering Pruning and maintenance Disease and pests Pros/cons |
|---|---|

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| | |
|----------------------------------|-------------------------|
| Scientific and common name | Sun exposure |
| Origin and/or native habitat | Soil |
| Foliage form and characteristics | Watering |
| Size | Pruning and maintenance |
| Flowering and fruiting | Disease and pests |
| Temperature hardiness | Pros/cons |

Trees

Blue Palo Verde

Parkinsonia florida

Form: Partially deciduous; rounded

Size: 30' H & W

Flowers: Yellow flowers; April

Exposure: Full sun

Distinct trait: Slight blue tint

Pro/con: Fast growing, large canopy, good for habitat



Blue Palo Verde (*Parkinsonia florida*)



Desert Museum Hybrid



Little Leaf (*Parkinsonia microphylla*)



Mexican Palo (*Parkinsonia aculeata*)



Blue Palo Verde



Desert Museum Hybrid



Palo Brea (*Parkinsonia praecox*)



Mexican Palo Verde

Arizona/Velvet Mesquite

Prosopis velutina

Form: Partially deciduous; sprawling

Size: 20'-50' H & 15'-25' W

Flowers: Inconspicuous; late May

Exposure: Full sun

Distinct trait: Thorns, rounded leaflets

Pro/con: Fast growing, large canopy, edible pods, good for habitat



Image By: Chris Martin, Virtual Library of Phoenix Landscape Plants

Mesquite hybrids



Prosopis x 'Phoenix'
-thornless hybrid
-Mountain States Nursery



Prosopis x 'AZT Seedless'
-seedless hybrid
-Arid Zone Trees Nursery

Desert Willow

Chilopsis linearis

Form: Deciduous; upright

Size: 15'-35' H&W

Flowers: White-pink; late spring-fall

Exposure: Full sun

Distinct trait: Long leaves, trumpet flowers

Pro/con: Attracts pollinators, many cultivars, smaller patio tree



Image By: Mountain States Wholesale Nursery

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Image By: Mountain States Wholesale Nursery

Trees

Screwbean Mesquite

Prosopis pubescens

Desert Ironwood

Olneya tesota

Little Leaf Palo Verde

Parkinsonia microphylla

Feather Bush Tree

Lysiloma watsonii

Shrubs

Chuparosa

Justicia californica

Form: Loose, spreading

Size: 2'-6' H & W

Flowers: Salmon; cool season

Exposure: Full sun, partial shade

Distinct trait: Tubular flower, green succulent stems

Pro/con: Attracts hummingbirds, brittle, lush with irrigation



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Brittlebush

Encelia farinosa

Form: Rounded

Size: 3'-5' H & W

Flowers: Yellow; late winter-spring

Exposure: Full sun

Distinct trait: Triangular, silver foliage

Pro/con: Fast growing, easy color



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Creosote

Larrea tridentata

Form: Irregular, varying density

Size: 3'-8' H & W

Flowers: Yellow; spring, with rains

Exposure: Full sun

Distinct trait: Smell, fuzzy seed pods

Pro/con: Consistent once established, drought tolerant



Image By: Chris Martin, Virtual Library of Phoenix Landscape Plants

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Image By: UofA Campus Arboretum

Shrubs

Triangle-Leaf Bursage
Ambrosia deltoidea

Hop Bush
Dodonea viscosa

Fairy Duster
Calliandra eriophylla

Desert Hackberry
Celtis pallida

Turpentine Bush
Ericameria laricifolia



Accents/Grasses

Desert Milkweed

Asclepias subulata

Form: Upright, rigid green stems

Size: 2'-4'

Flowers: Pale yellow, spring-fall

Exposure: Full sun

Distinct trait: Thin green stems, branching

Pro/con: Monarch host, sparse appearance, no shade



Parry's Agave

Agave parryi.

Form: Upright, rigid pineapple leaves

Size: Approx 3' x 3'


Flowers: Large, tall spikes, only flowers once

Exposure: Full sun, will take some shade

Distinct trait: Gray color, thorny margins

Pro/con: Hardy, unique accent






Oh baby it's hot outside...

Why is there cloth on some of the plants?


The cloth protects these plants from the intense summer sun and extreme heat. Some of our plants are from areas where the amount of direct sunlight is limited and temperatures are cooler. By placing shade cloth on the plants, it helps prevent sun-stress.

For more information on how to protect your plants at home, visit our website: www.dlog.org


DESERT LANDSCAPE GROUP




Agave attenuata



Queen Victoria Agave



Century Plant



Webber's Agave

Engelmann's Prickly Pear

Opuntia engelmannii

Form: Large pads, spreading habit


Size: 6'HT x 15W'

Flowers: Yellow/Orange/Pink

Exposure: Full sun, some shade

Distinct trait: Teardrop pads, glochids & spines

Pro/con: Edible fruit, large & thorny



Deer grass

Muhlenbergia rigens

Form: Large, airy bunch grass

Size: 3'-5'

Flowers: Flower spikes

Exposure: Full sun, some part shade

Distinct trait: Leaves approx. 1/8"

Pro/con: Versatile, large grass, good cover plant for habitat



Image By: Chris Martin, Virtual Library of Phoenix Landscape Plants

Blue grama

Bouteloua gracilis

Form: Short bunchgrass

Size: 2'

Flowers: Green-purple; spring-summer

Exposure: Full sun

Distinct trait: Comblike seedheads

Pro/con: Small, prevents erosion, can withstand flooding, needs water



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Accents/Grasses

Saguaro

Carnegiea gigantea

Englemann's Hedgehog Cactus

Echinocereus englemannii

Organ Pipe Cactus

Stenocereus thurberi

Ocotillo

Fouquieria splendens

Annuals/Perennials

Globe mallow

Sphaeralcea ambigua

Form: Irregular, bush

Size: 2'-4'

Flowers: Orange/many colors, winter-spring

Exposure: Full sun

Distinct trait: Round, paper-like flowers

Pro/con: Color, pollinators, rangy



Globe mallow

Sphaeralcea ambigua

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Images By: Chris Martin, Virtual Library of Phoenix Landscape Plants

Parry's Penstemon

Penstemon parryi

Form: Herbaceous rosettes

Size: 3'-4'

Flowers: Large, magenta spikes, Feb-Mar

Exposure: Full sun, part shade

Distinct trait: Tubular flowers

Pro/con: Pollinators, many varieties, reseeds,



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Desert Marigold

Baileya multiradiata

Form: Clumping, rosette

Size: Up to 2'

Flowers: Yellow; winter-spring

Exposure: Full sun

Distinct trait: Curly, silver foliage

Pro/con: Hardy, reseeds





Annuals/Perennials

Chocolate Flower
Berlandiera lyrata

Paperflower
Psilosrophe cooperi

Firecracker Penstemon
Penstemon eatonii

Mt. Lemon Marigold
Tagetes lemonii

Where Can You Learn More?

- Virtual Library of Phoenix Landscape Plants (Dr. Chris Martin, ASU)
- ADWR Low Water Use Plant List
- AMWUA (www.amwua.org/plants)
- Sunset Western Garden Book
- Native Plants for Southwestern Landscapes (Judy Mielke)
- Mountain States Nursery (www.mswn.com)

Where Can You Find Native Plants?

- Get the most selection from local nurseries
- Arizona Nursery Association (www.azna.org)
 - Dig It Nursery (Phoenix, AZ)
 - Agave Farms (Phoenix, AZ)
 - Arcadia Color Garden (Phoenix, AZ)
 - Berridge Nursery (Phoenix, AZ)
 - Treeland Nurseries (Mesa, AZ)
- Desert Botanical Garden Plant Sales (Spring/Fall)

A photograph of yellow flowers, likely Black-eyed Susans, with a brown banner overlay. The banner contains the text "Thanks! Questions?". Below the banner, contact information for Kaylee Colter is provided.

Thanks! Questions?

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