

REPLACE YOUR THIRSTY LAWN WITH



CALIFORNIA NATIVES

Deva Luna, Earthcare Landscaping
May 1, 2010

WHY NATIVES?

- California has a very unique flora
- Plants and pollinators interdependent
- Ecological - use less chemicals
- Economical - use less water
- Smart gardening - use less labor

SANTA MONICA DEMONSTRATION “garden/garden”



Conventional Landscaping



California Natives

Deva Luna, Earthcare Landscaping

CONVENTIONAL GARDEN ESTABLISHED



CALIFORNIA NATIVE GARDEN ESTABLISHED



"garden/garden" Comparison

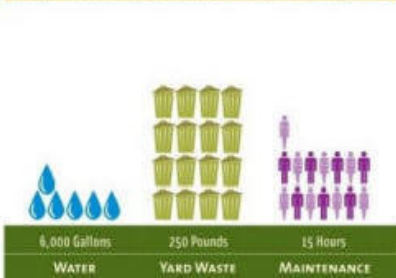
- 1/10 of the water
- 1/4 of the maintenance labor
- 3/5 of the green waste
- Increased habitat
- Lowered pollution

To view online:

http://www.smgov.net/Departments/OSE/Categories/Landscape/Demonstration_Gardens.aspx

Annual Comparison

Sustainable Landscape



Traditional Landscape



Photo and Design: Stephanie Morris



Design: Annaloy Nickum Photo: Deva Luna



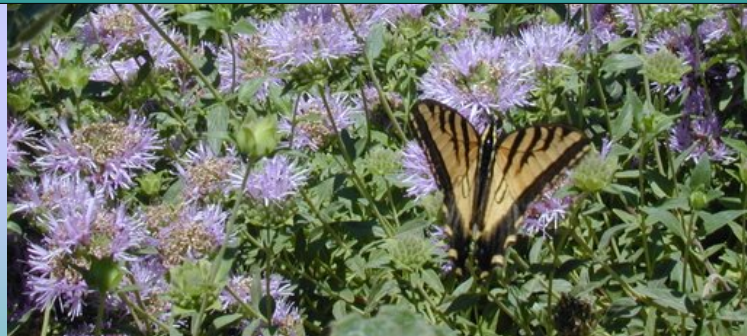
Photo: Laura Schaub



Design: Annaloy Nickum Photo: Deva Luna



Support habitat



Birds, bees and butterflies, oh my!

- No pesticides or herbicides
- Plant natives that bloom at different times
- Some evergreen, some deciduous
- Don't prune off seeds and berries
- Provide shelter and places to raise young
- Provide water



Pipevine (*Aristolochia*) &
Pipevine Swallowtail



Monarch caterpillar on Showy Milkweed



Just add water to attract birds!

“LAWN” SUBSTITUTES



Herbs, Groundcovers, Meadows



Design: Cheryl Renshaw

MIXED HERB LAWN



“NO MOW” GRASSES

- Seasonal changes
- Flowers sway in the breeze
- Can be weed whacked once or twice a year
- Provide habitat for birds, butterflies
- Can be interplanted with wildflowers



Design: Agi Kehoe Photo: Deva Luna

Wildflowers in a meadow



Photo: Deva Luna

RED FESCUE

Festuca rubra



Design: Middlebrook Gardens Photo: Stephanie Morris

WESTERN FESCUE

Festuca occidentalis





Design: Middlebrook Gardens Photo: Deva Luna

CALIFORNIA FESCUE

Dry creek in a parking strip



DUNE SEDGE

Carex pansa

Design: Agi Kehoe

Installation: EarthCare Landscaping



NATIVE SOD NOW AVAILABLE



Chaparral, Grassland, and Desert Plants



Sun, dry or occasional deep watering





MANZANITA

Arctostaphylos 'Dr. Hurd'



Cleveland Sage (with Monkey Flower)

Salvia clevelandii



SAGE

Salvia 'Dara's Choice'



DWARF COYOTE BUSH

Baccharis pillularis 'Twin Peaks'



ISLAND BUSH POPPY
Dendromecon harfordii



MATILIJ POPPY
Romneya coulteri



WOOLY BLUE CURLS

Trichostema lanatum



CALIFORNIA FUCHSIA

Epilobium 'Select Mattole'



CEANOTHUS 'CONCHA'

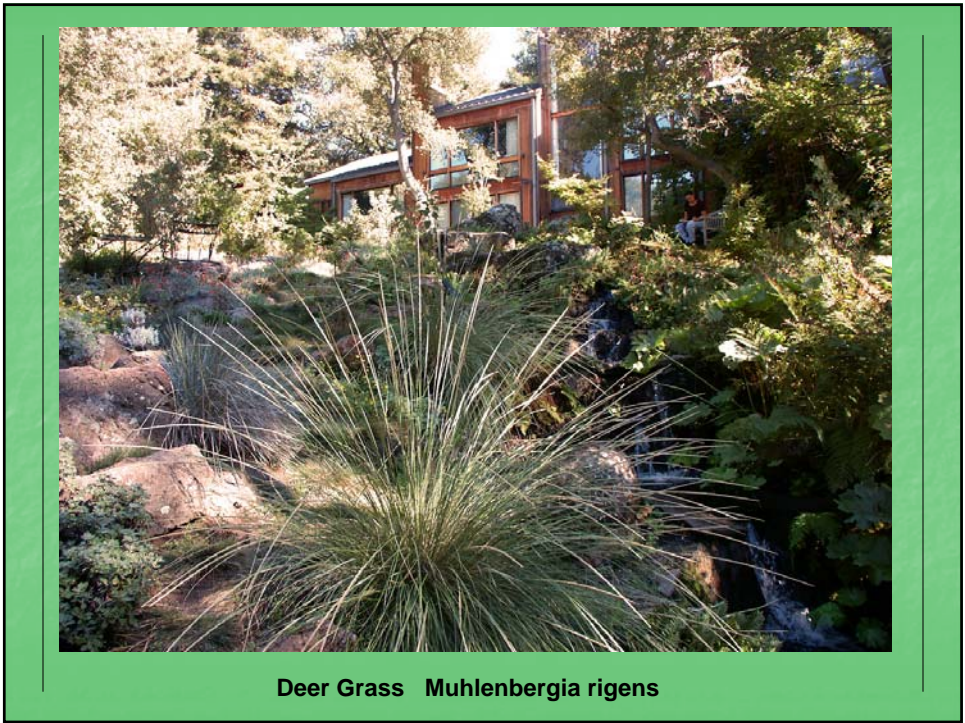


ROSY BUCKWHEAT
Eriogonum grande var. rubescens



FOOTHILL PENSTEMON

Penstemon heterophyllus



Deer Grass *Muhlenbergia rigens*



**Monkey Flower
Mimulus aurantiacus 'Valentine'**



**Western Redbud and Ceanothus
in a garden setting**




Yarrow


Achillea millefolium 'Pink Island Form'





Poppy, Penstemon & Buckwheat



Riparian and Coastal Plants



Part sun, watered regularly
Afternoon shade, moderate water



Sandhill Sagebrush

Artemesia pynocephylla 'David's Choice'

Design: Sherri Osaka Installation: EarthCare Landscaping



Idaho Fescue
Festuca idahoensis



Design: Sherri Osaka Photo: Deva Luna

Beach Strawberry *Fragaria chiloensis*



Vine Maple
Acer circinatum



Design & Photo: Sherri Osaka

California Lilac
Ceanothus hearstiorum



Cedros Island Verbena

Verbena lilacina 'De La Mina'



Beach Aster

Erigeron glaucus 'Wayne Roderick'

Oak Woodland



Shade or part shade, dry or occasional deep watering



Pacific Coast Hybrid Iris



Design: Fran Adams Photo: Deva Luna

Arctostaphylos uva-ursi - Manzanita
Heuchera 'Old La Rochette - Alum Root



COYOTE MINT
Monarda villosa



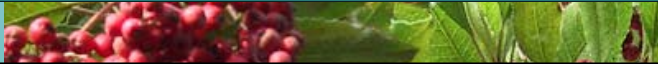
Hummingbird Sage
Salvia spathacea



California Coffeeberry
***Rhamnus californica* 'Eve Case'**



Toyon
Heteromeles arbutifolia



California Grape
***Vitis californica* 'Roger's Red'**

Redwood Forest



Shade, watered regularly



Wild Ginger
Asarum caudatum



Western Bleeding Heart
Dicentra formosa



Western Columbine
Aquilegia formosa



Flowering Currant
Ribes sanguineum



Western Azalea
Rhododendron occidentale



Western Sword Fern
Polystichum munitum



Wax Myrtle
Myrica californica



Spicebush
Calycanthus occidentalis

HOW TO



REMOVE YOUR LAWN

THIRSTY LAWN -- BEFORE



AFTER: *NATURAL FRONT YARDS*



SUSTAINABLE GUIDELINES

Natural processes will aide you

- Prohibit photosynthesis
- Keep materials on site
- Be persistent & patient
- Keeping old lawn creates compost



Scalped lawn



**Cut back the edges near hardscape
Make a mound**

SMOTHER

- **Newspaper (5 layers)**
 - Avoid glossy sections
 - Black & white, colored okay
 - Dampen to avoid blowing away, cover w/mulch
- **Cardboard, overlapped**
- **Compost**
- **Natural fiber carpet**
- **Mulch**

IF IT MUST BE REMOVED

- For small areas, use pick & shovel
- Rent a sod cutter for high grade or noxious weeds
- Remove to landfill or other location to dry out thoroughly
- Two passes may be necessary
- Then rototill lightly, and rake out the Bermuda Grass
- Follow up by spot weeding anything that re-sprouts

Dig it out by hand



Rent a Sod Cutter



SHEET COMPOSTING

- Similar to Lasagna Gardening
- Plant directly into layers of organic matter
 - Annual weeds, smashed down
 - Newspapers
 - Thick arbor chips
 - Thin layer of purchased mulch
- Make a planting pocket of good soil



Planting "pocket" in mulch



Three kinds of mulch



Drip irrigation



Dry creek rough grading



Dry creek and two colors of mulch

REBATES

Santa Clara Valley Water District offers rebates to replace your lawn with appropriate plants, drip irrigation and permeable surfaces.

\$.75/sft up to \$2,000, material costs reimbursed

Commercial properties up to \$20,000

Palo Alto and Morgan Hill will match funds

www.valleywater.org

Remember “garden / garden”?



The choice is yours!

RESOURCES

www.goingnativegardentour.org
Going Native Garden Tour – April

www.cnps.org
California Native Plant Society

www.yerbabuenanursery.com
Yerba Buena Demonstration Garden

www.naturalfrontyards.com
Inexpensive professional lawn replacement

www.landscapestandards.com
**A wiki site for Sustainable Landscaping with lists
of professionals and pictures**



REPLACE YOUR THIRSTY LAWN WITH CA NATIVES

Presented by BAWSCA & City of Mountain View May 1, 2010

DEVA LUNA – EARTHCARE LANDSCAPING – 408-871-2792

WHY NATIVES?

- California has a very unique flora
- Plants and pollinators interdependent
- Ecological - use less chemicals
- Economical – use less water
- Smart gardening – use less labor

Garden/garden comparison (Santa Monica)

- 1/10 of the water
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NO MOW GRASSES / MEADOWS

- Seasonal changes
- Flowers sway in the breeze
- Can be weed whacked annually
- Provide habitat for birds, butterflies
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Clumping Grasses for Meadows

- California Fescue *Festuca californica*
- June Grass *Koeleria macrantha*
- Purple Needle Grass *Nasella pulchra*
- Leafy Reed Grass *Calamagrostis foliosa*
- Berkeley Sedge *Carex divulsa (non-native)*

Spreading Grasses for Meadows

- Red Fescue *Festuca rubra*
- Dune Sedge *Carex pansa*
- Foothill Sedge *Carex praegracilis*
- Idaho Fescue *Festuca idahoensis*

ESTABLISHING A MEADOW

- Relaxed attitude around perfection/change
- Decide on type of grass
- Mixed with flowers?
- Transplants or seed?
- Pre-germination of existing weed seeds
- Weeding important until established

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HERBAL “LAWNS”

- Wooly Thyme, Creeping Thyme, Elfin Thyme
- Chamomile
- Yarrow
- Sweet Woodruff
- Corsican Mint
- Yerba Buena

ECO-LAWN: Mixture of clover, yarrow & dwarf fescues

ARTIFICIAL LAWN: never needs mowing or watering – but can’t recycle it and doesn’t cool or give anything back to the Earth

DROUGHT TOLERANT GROUND COVERS

Manzanita, Dwarf Coyote Bush, Dwarf Ceanothus, Strawberry,
(non-natives:) Dymondia, Lowfast Cotoneaster, Rosemary

SUNNY & DRY: CHAPPARAL, GRASSLAND & DESERT PLANTS,
Manzanita, Sage, Ceanothus (some), Coyote Bush, Matilija Poppy, Woolly Blue
Curls, California Fuchsia, Buckwheats, Deer Grass, Monkey Flower, Foothill
Penstemon, Yarrow

SHADY & DRY: OAK WOODLAND

Coffeeberry, Toyon, Hummingbird Sage, Coral Bells, Douglas Iris, California
Grape, Coyote Mint,

SUNNY WITH MODERATE WATER: RIPARIAN & COASTAL PLANTS

Sandhill Sagebrush, Vine Maple, Beach Strawberry, Beach Aster, Siskyou Blue
Fescue, Cedros Island Verbena, Ground cover Manzanita

SHADE WITH REGULAR WATER: REDWOOD FOREST

Wild Ginger, Bleeding Heart, Flowering Currant, Western Columbine, Western
Azalea, Sword Fern, Wax Myrtle, Spicebush

RESOURCES

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