



CREATING RESILIENT LANDSCAPES

Isabel Hernandez, Water Conservation Specialist
Saturday, February 08, 2025

Serving Highland, San Bernardino and Unincorporated San Bernardino County



WORKSHOP SUMMARY

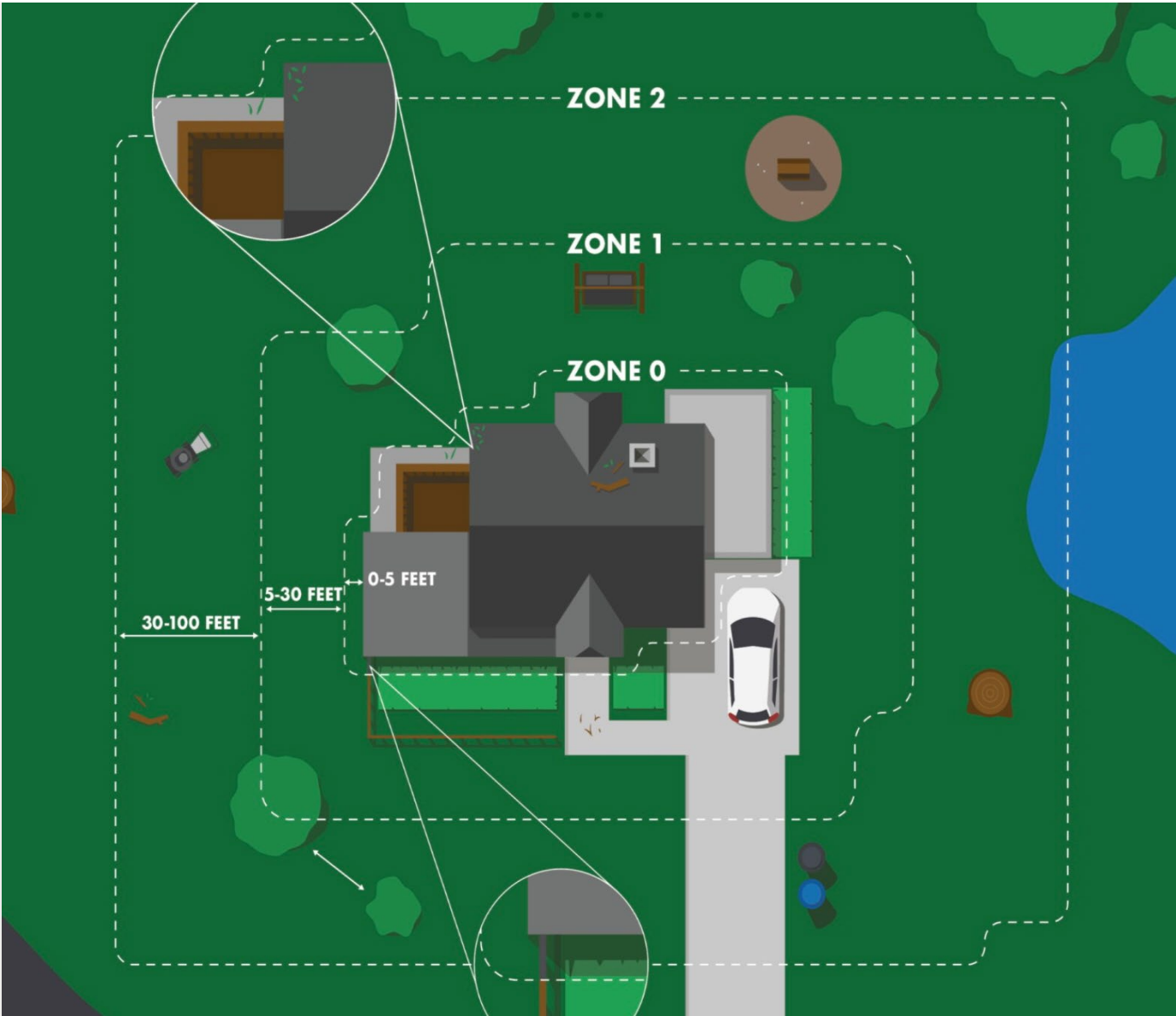
- Defensible zone guide
 - Zone 0
 - Zone 1
 - Zone 2
- Tree clearance
- Tips for clearing
- Firescape landscaping
 - Fire resistant plants
- Firescape landscaping
 - Fire hazard plants
- Plant list
- Resources



DEFENSIBLE ZONE GUIDE

Zone 0	0 - 5 Feet	Ember - Resistant Zone
Zone 1	5 - 30 Feet	Lean, Clean & Green Zone
Zone 2	30 - 100 feet	Reduce Fuel Zone

Source: CalFire



DEFENSIBLE GUIDE ZONE 0 EMBER: RESISTANT ZONE

- Do not use organic mulch
 - *Use rock, gravel, pavers, cement*
- Clear organic debris
 - *Remove leaves, branches, twigs, dead plants, unhealthy plants*

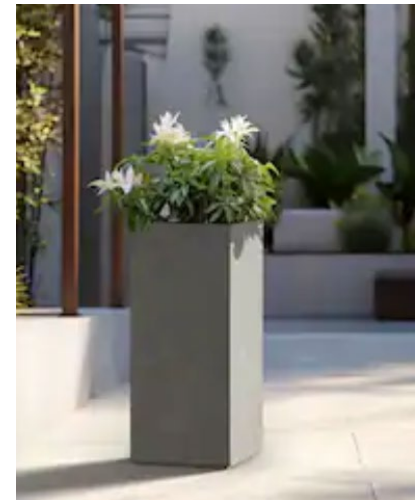
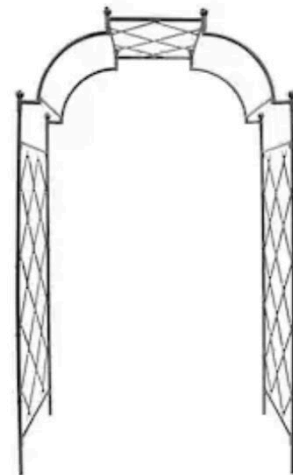
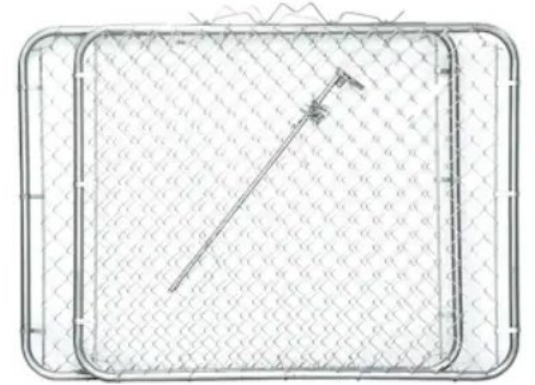
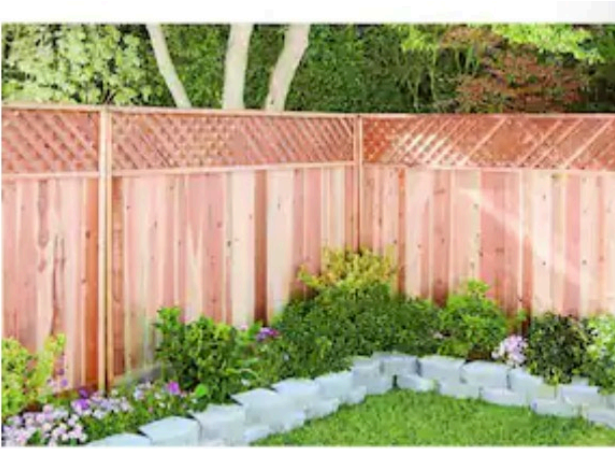


DEFENSIBLE GUIDE ZONE 0 EMBER:RESISTANT ZONE

- Keep branches trimmed away 10 feet from chimneys and stovepipes
 - *Trim or remove branches, within 10 feet of roof line*
- No combustible items on decks
 - *Integrate metal or cement furniture or nonflammable fencing*



DEFENSIBLE GUIDE ZONE: REPLACE COMBUSTIBLE ITEMS



DEFENSIBLE GUIDE ZONE 1: LEAN, CLEAN & GREEN

- No mulch
- No debris
- Keep branches trimmed away
 - *10 feet from each other*
- No combustible items in this zone
 - *No piles of wood piles, trash or recycle bins*
- Have 10 feet of clearance on sheds, structures and LPG tank



DEFENSIBLE GUIDE ZONE 2: REDUCE FUEL ZONE

- No mulch
- No debris
- In this zone, keep piles of wood, trash or recycle bins
- Keep boat, RVs and vehicles
- Grass must be under 4 inches tall
- Keep 10 feet minimum clearance space between wood piles, LPG tank, and outbuildings
- Create horizontal and vertical spacing between trees, shrubs, and flammables

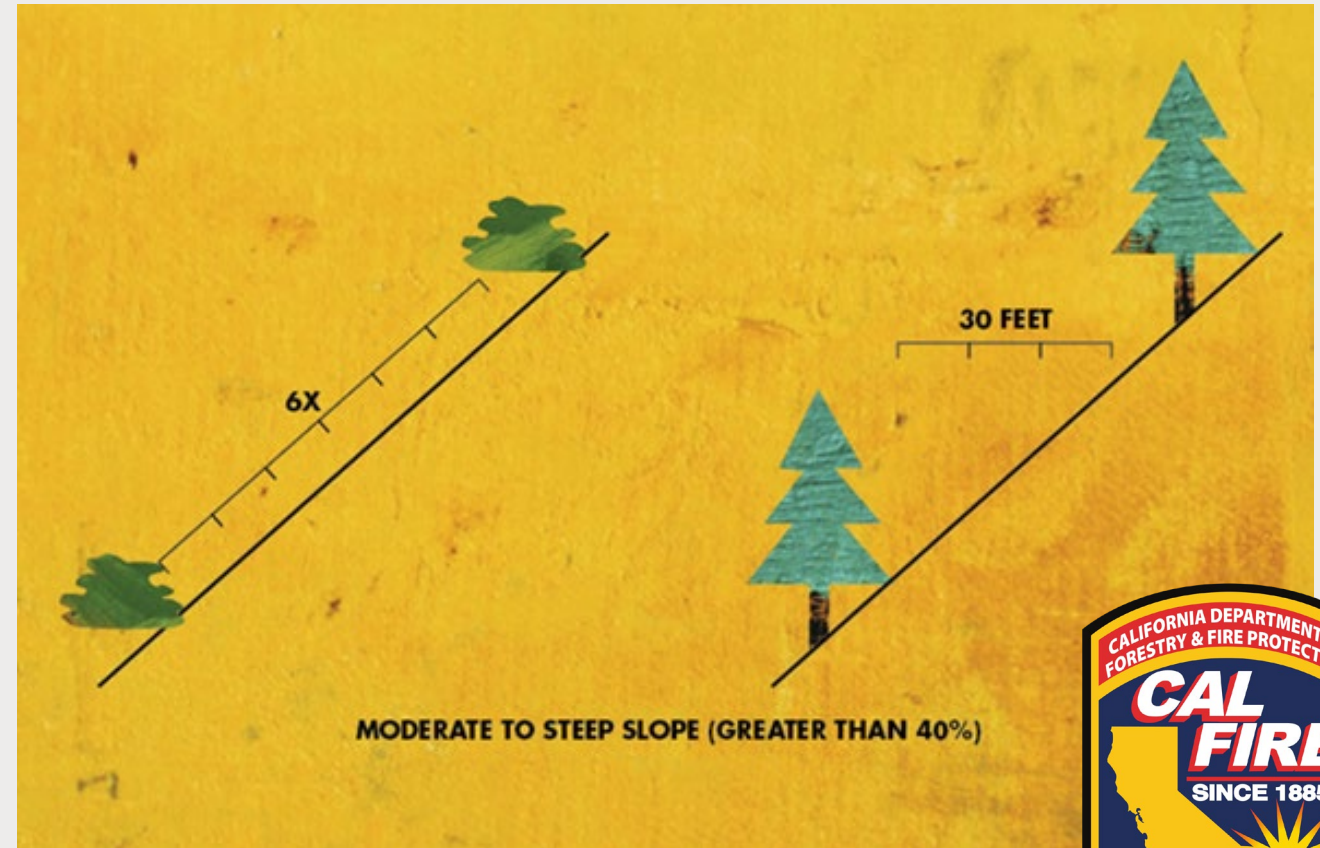
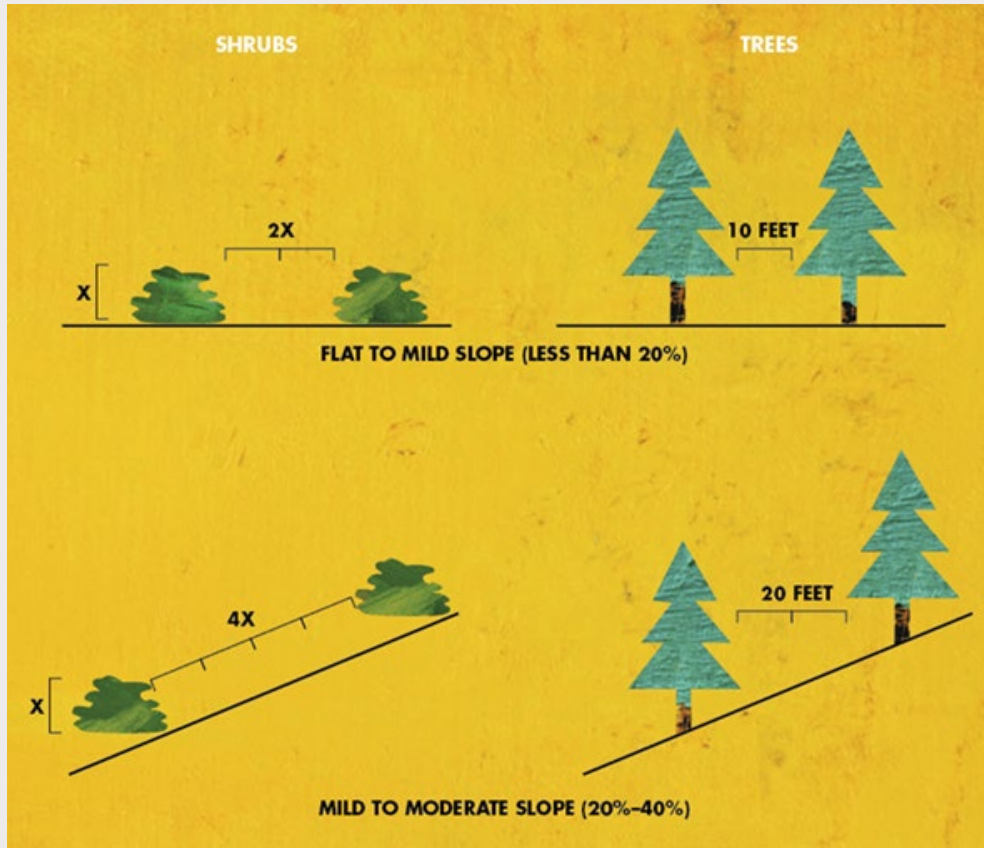


DEFENSIBLE SPACE: TREE VERTICAL CLEARANCE



Remember to sanitize tools with every tree or shrub trimming

DEFENSIBLE SPACE: TREE HORIZONTAL CLEARANCE



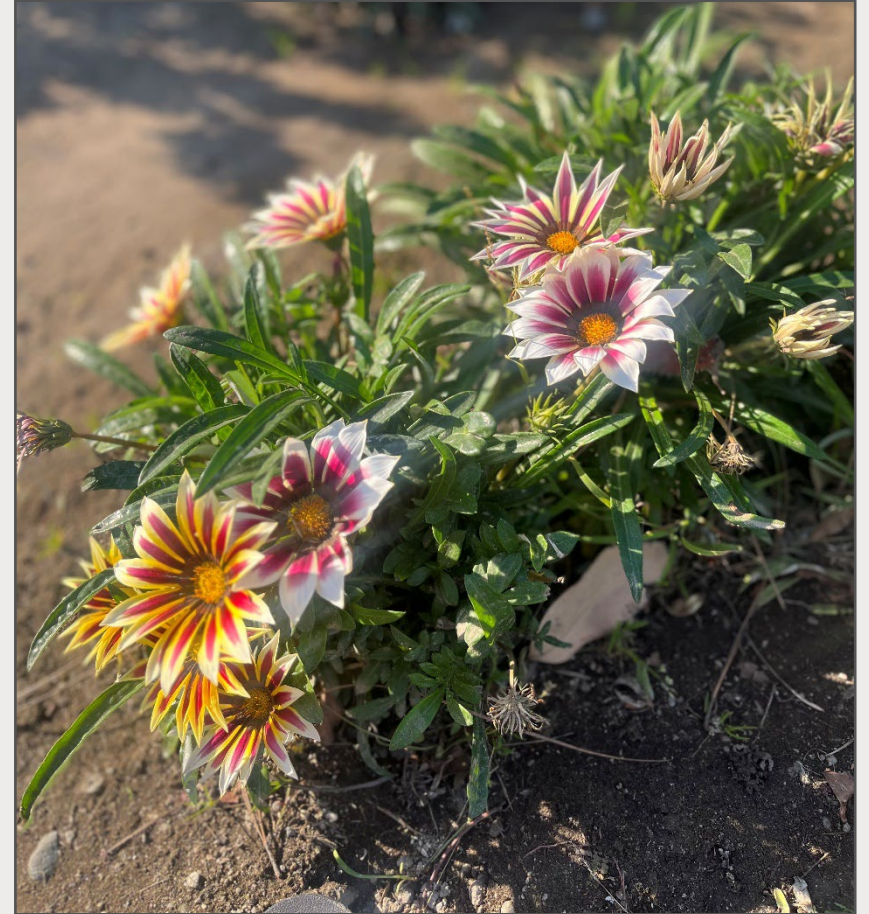
DEFENSIBLE GUIDE ZONE: TIPS FOR CLEARING IN DRY CONDITIONS

- Mow before 10 a.m.
- Never mow on a hot or windy day
- String trimmers are safer than lawnmowers for clearing vegetation
- When watering less during drought season, remove all dead or dying vegetation



FIRESCAPE LANDSCAPING: FIRE RESISTANT PLANTS

- Best plant characteristics
 - *Grow close to the ground*
 - *Plants with low sap or resin content*
 - *Plant with low dead leaf production*
 - *Plants with high moisture content*



Grazania rigens

FIRESCAPE LANDSCAPING: FIRE RESISTANT PLANTS

- Best plant characteristics
 - *Plants with leaves that bent easily*
 - *Plants with thick leaves*
 - *Plants with silver or gray leaves*
 - *Plants without trichomes (hair/fuzz)*
 - *Plants without fragrance*



Dusty Miller



Aloe

FIRESCAPE LANDSCAPING: FIRE HAZARD PLANTS

- Summer dormant plants
- Dry grasses in summer
- Dry leaf-litter plant producers
- Dry peeling bark trees or shrubs
- Dead plants clusters
 - *Leaves, branches, fronds*
- Dense shrubs
 - *Privacy or window hedges*
 - *Thick fencing vines*



Fountain Grass



Lavender

GROUND COVER

	Common Name	Botanical Name
1	Mexican Daisy	<i>Erigeron spp.</i>
2	Gazania	<i>Gazania spp.</i>
3	Lippia	<i>Phyla nodiflora</i>
4	Periwinkle	<i>Vinca spp.</i>
5	Strawberry & White Clover	<i>Trifolium spp.</i>
6	Wild & Sand Strawberry	<i>Fragaria spp.</i>
7	Zoysia	<i>Zoysia spp.</i>



**Wild and Sand
Strawberry**



Mexican Daisy

PERENNIALS

	Common Name	Botanical Name
1	Bear's Breech	<i>Acanthus mollis</i>
2	Blanket Flower	<i>Gaillardia spp.</i>
3	Garden Penstemon	<i>Penstemon spp.</i>
4	Poppy	<i>Papaver spp.</i>



Showy Penstemon



Poppy Assorted



Blanket Flower

HEDGES

	Common Name	Botanical Name
1	Fuchsia flowered gooseberry	<i>Ribes spp.</i>
2	Japanese mock orange, tobira	<i>Pittosporum tibia</i>
3	Jojoba	<i>Simmondsia chinensis</i>
4	Mock orange	<i>Philadelphus spp.</i>
5	Privet	<i>Ligustrum spp.</i>



**Fuchsia Flowered
Gooseberry**



Privet

ACCENT TREES

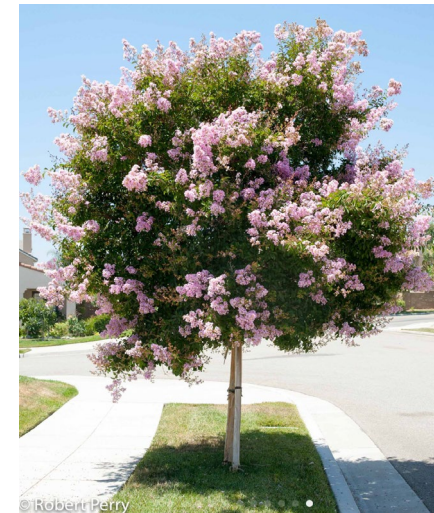
	Common Name	Botanical Name
1	Orchid Tree	<i>Bauhinia spp.</i>
2	Strawberry Tree	<i>Arbutus</i>
3	Crape Myrtle	<i>Lagerstroemia spp.</i>
4	Yellow Bells	<i>Tecoma stans</i>



Orchid Tree



Crape Myrtle



Strawberry Tree

FLOWERING SHRUBS

	Common Name	Botanical Name
1	Red Yucca	<i>Hesperaloe parviflora</i>
2	Rose	<i>Rosa spp.</i>
3	Sea Mallow	<i>Lavatera spp.</i>
4	Tropical Hibiscus	<i>Hibiscus spp.</i>



Red Yucca



Sea Mallow



Iceberg Rose

GRAY PLANTS

	Common Name	Botanical Name
1	Parrot's Beak	<i>Lotus berthelotii</i>
2	Artichoke	<i>Cynara scolymus</i>
3	Cooking Sage	<i>Salvia officinalis</i>
4	Dusty Miller	<i>Jacobaea maritima</i>
5	Maltese Cross	<i>Lychnis spp.</i>
6	Jerusalem Sage	<i>Phlomis fruticosa</i>
7	Texas Ranger	<i>Leucophyllum spp.</i>
8	Olive	<i>Oleaceuropaea</i>
9	Pineapple Guava	<i>Feijoa sellowiana</i>

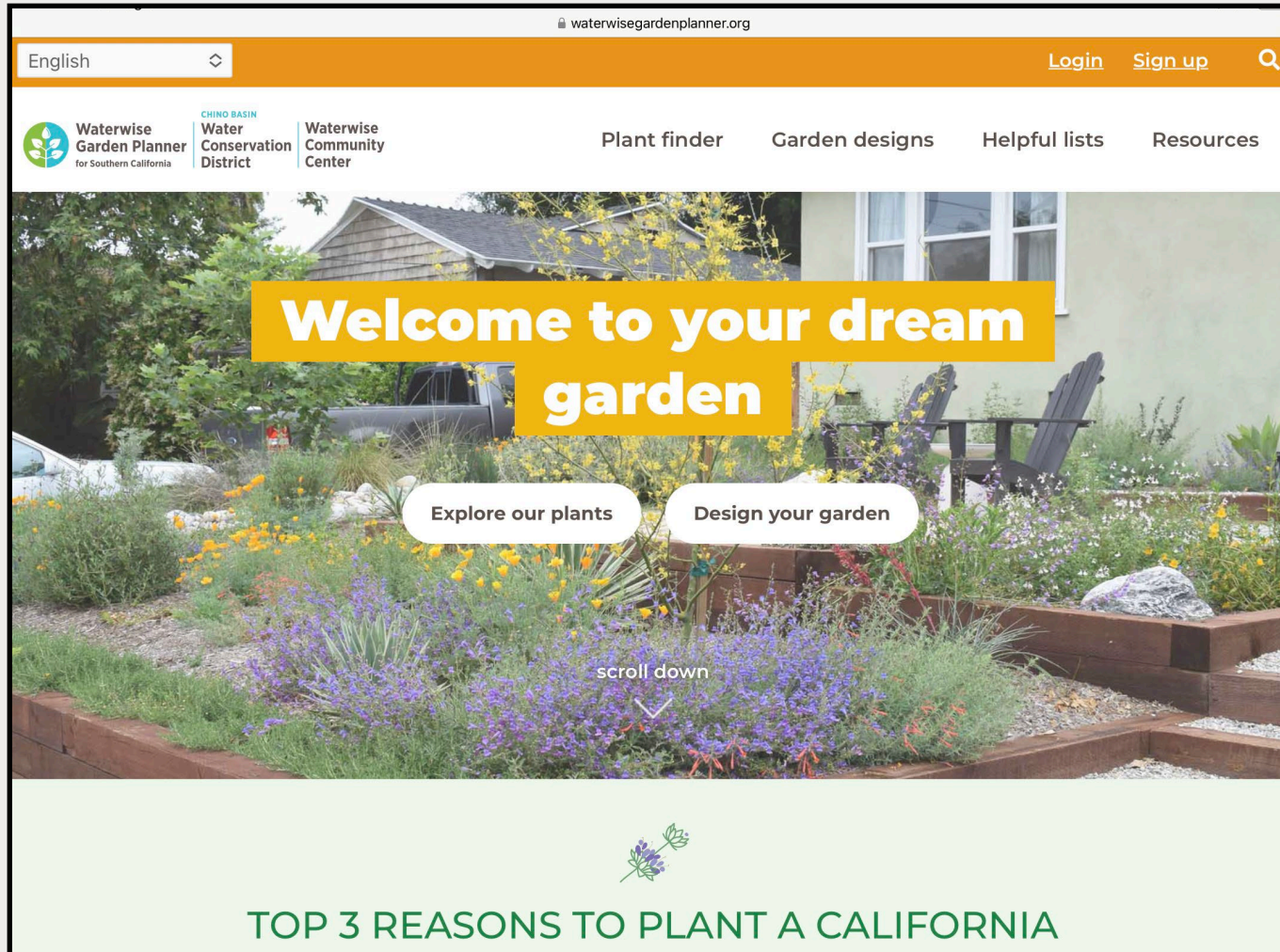


Pineapple Guava



Texas Range

RESOURCE WEBSITE



- Plant finder
 - *Search criteria for Inland Empire Climates*
- waterwisegardenplanner.org**

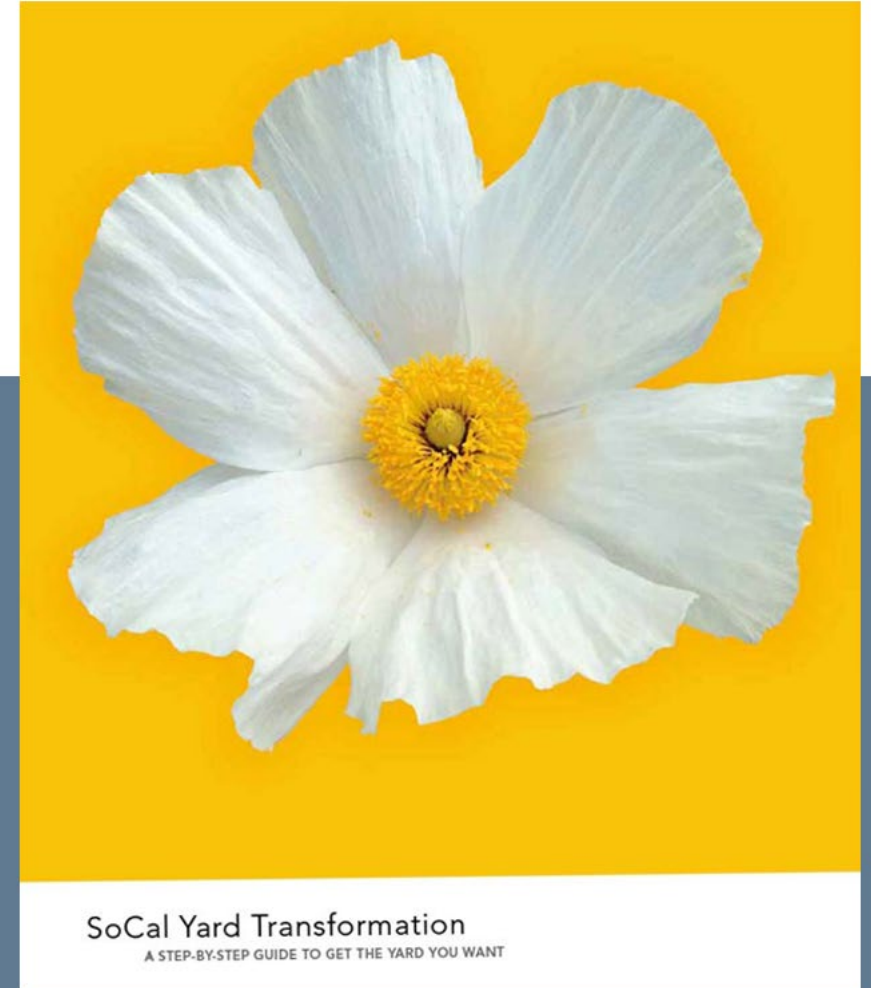
EAST VALLEY WATER DISTRICT

RESOURCE BOOK

- Available online
 - *English edition*
 - *Spanish edition*

Free Download!

STEP-BY-STEP GUIDE TO CREATING A WATER EFFICIENT LANDSCAPE



EASTVALLEYWATER.GOV/TRANSFORMATIONBOOK

RESOURCE WEBSITE AND APP

CREATE YOUR DEFENSIBLE SPACE



Create and maintain 100 feet of Defensible Space around your home.

GET MORE INFO

- CalFire
- [readyforwildfire.org](https://www.readyforwildfire.org)

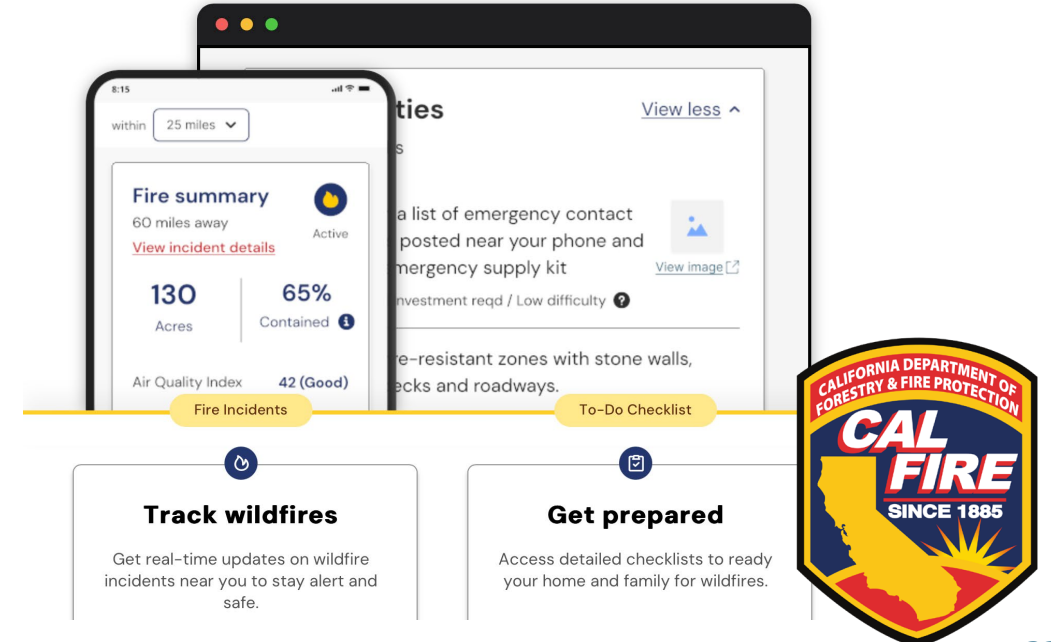
Stay Safe and Stay Informed with **firePLANNER**

Prepare your home and family for wildfires with personalized checklists, text alerts, and wildfire tracking.

Get Started

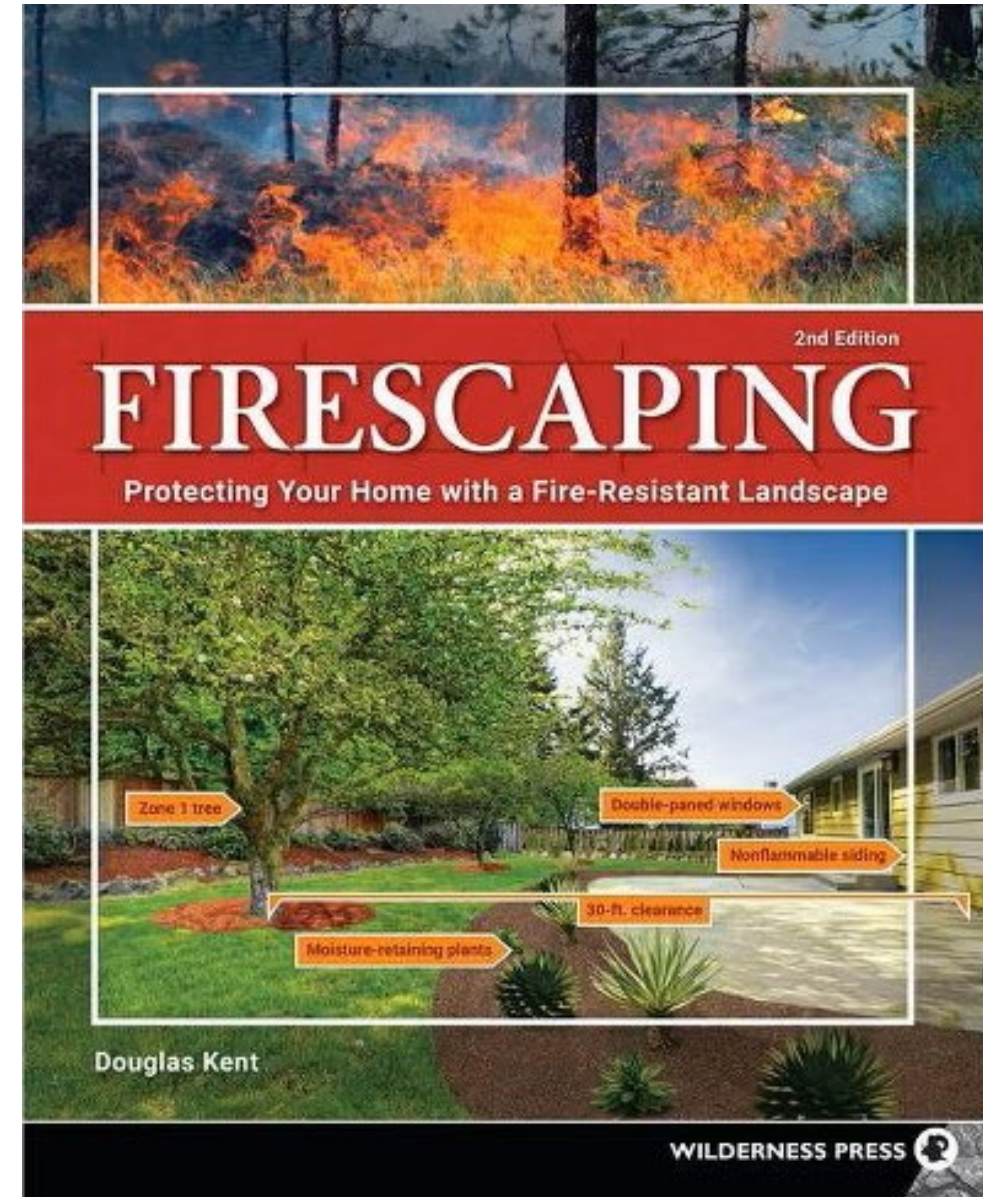
Learn More

Already have your checklist? [Log in](#)



RESOURCE BOOK

- Firescaping 2nd Edition
 - *Douglas Kent*



THANK YOU FOR JOINING US

