

Update: Horticulture Invasives Prevention



Presented By Alex Simmons, Program Manager



To promote the use of noninvasive plants for gardening and landscaping in California.



Collaborative

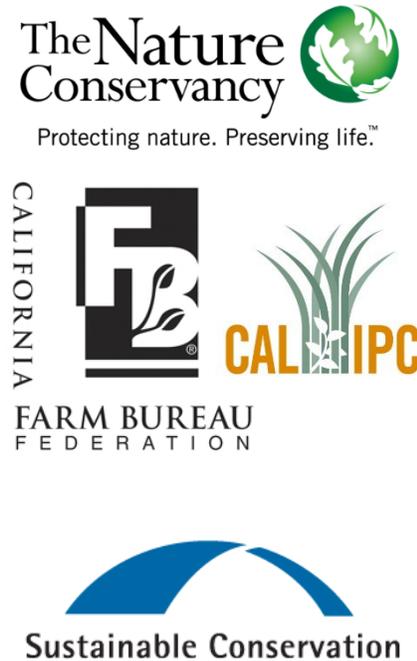
Voluntary

Science-based

Industry



Nonprofits

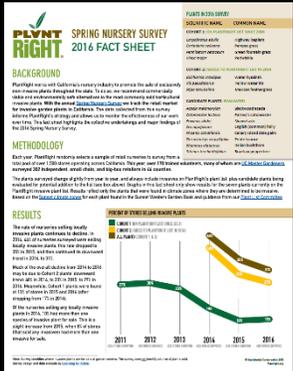


Government



Science





Nursery Survey

Suggested Alternatives for Invasive Garden Plants

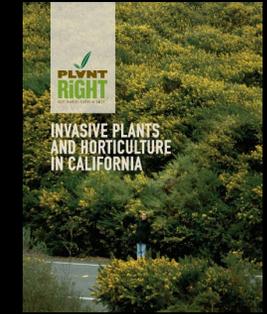
Plant Right's 2017 list of suggested alternative plants, identifies the highest priority invasive plants available for sale in California. Focus on these plants to reduce the sale of invasive species. They should not be used as a substitute for native plants. Thank you for doing your part to protect California's environment by Planting Right!

| Invasive Species | Suggested Alternative | Native Alternatives |
|---|---|---|
| Coreopsis Coreopsis grandiflora Coreopsis lanceolata | Suggested Alternative: <i>Physalis peruviana</i> <i>Physalis</i> (various species) <i>Physalis</i> (various species) | Native Alternatives: <i>Physalis</i> (various species) <i>Physalis</i> (various species) <i>Physalis</i> (various species) |
| Verbena Verbena officinalis Verbena stricta | Suggested Alternative: <i>Verbena stricta</i> <i>Verbena stricta</i> <i>Verbena stricta</i> | Native Alternatives: <i>Verbena stricta</i> <i>Verbena stricta</i> <i>Verbena stricta</i> |
| Verbena Verbena officinalis Verbena stricta | Suggested Alternative: <i>Verbena stricta</i> <i>Verbena stricta</i> <i>Verbena stricta</i> | Native Alternatives: <i>Verbena stricta</i> <i>Verbena stricta</i> <i>Verbena stricta</i> |

Plant List



Retail Nursery Partners



Continuing Education



Plant Risk Evaluator



Other Outreach

Plant List



Suggested Alternatives for Invasive Garden Plants

PlantRight's 2018 list of horticultural invasive plants identifies the highest priority invasive plants available for sale in California. If one of these plants is invasive in your climate zone, they should not be used in gardens or landscaping. Instead, consider one of the beautiful, non-invasive alternatives below.

Thank you for joining us to protect California's environment by Planting Right!

Legend

- Sierra & Coastal Mtns. (Sunset Zones 1-3)
- Central Valley (Sunset Zones 7-9)
- Desert (Sunset Zones 10-13)
- North & Central Coast (Sunset Zones 14-17)
- South Coast (Sunset Zones 18-24)
- 💧 Low water
- 📍 CA native or cultivar



| Invasive Grasses | Suggested Non-invasive Alternatives | Featured Information | Suitable Climates |
|---|--|--|--|
|  <p>Green fountain grass (<i>Pennisetum setaceum</i>)</p> <p>Invasive in climate zones: ● ● ● ● ●</p> | <p>Oriental fountain grass (<i>Pennisetum orientale</i>)</p> <p>Pennisetum 'Fireworks', 'Skyrocket' & 'Fairy Tails' (<i>Pennisetum x advena</i>, often mislabeled as <i>P. setaceum</i> cultivars)</p> <p>Mendocino reed grass (<i>Calamagrostis foliosa</i>)</p> <p>California fescue (<i>Festuca californica</i>)</p> <p>Pink muhly (<i>Muhlenbergia capillaris</i> 'Regal Mist')</p> | <p>Compact, floriferous, cold hardy, very similar aesthetic and habit.</p> <p>Cultivars, similar aesthetic and habit. 'Fireworks' is magenta striped with green and white. 'Skyrocket' is green with white edges, and 'Fairy Tails' is solid green.</p> <p>Cool-season grass 1 ft. tall & 2 ft. wide. Arching flower heads spring through fall.</p> <p>Shade tolerant grass, needs good drainage, tolerates mowing.</p> <p>Fluffy pink cloud-like blooms, frost tolerant, needs drainage, good en masse.</p> | <p>Low water</p> <p>CA native or cultivar</p> <p>Suitable Climates: ● ● ●</p> |
|  <p>Mexican feathergrass (<i>Stipa/Nassella tenuissima</i>)</p> <p>Invasive in climate zones: ● ● ● ● ●</p> | <p>Blue grama grass (<i>Bouteloua gracilis</i> 'Blonde Ambition')</p> <p>Alkali sacaton (<i>Sporobolus airoides</i>)</p> <p>Purple three-awn (<i>Aristida purpurea</i>)</p> <p>White awn muhly (<i>Muhlenbergia capillaris</i> 'White Cloud')</p> <p>Autumn moor grass (<i>Sesleria autumnalis</i>)</p> | <p>Attractive flowerheads, best when cut back in early spring, cultivar of a CA native.</p> <p>Excellent for hot, dry areas. Fine-textured. Tolerates wide range of soil conditions.</p> <p>Fine-textured leaves that blow in the breeze. Thrives in sunny, dry locations.</p> <p>Fluffy white cloud-like flower heads. Great for mass plantings. Deer resistant.</p> <p>Neat clumper, good en masse. Can use under trees or in full sun as ground cover.</p> | <p>Low water</p> <p>Suitable Climates: ● ● ● ● ●</p> |
|  <p>Pampas grass (<i>Cortaderia selloana</i>) and cultivars</p> <p>Invasive in climate zones: ● ● ●</p> | <p>Foerster's reed grass (<i>Calamagrostis x acutiflora</i> 'Karl Foerster')</p> <p>Deer grass (<i>Muhlenbergia rigens</i>)</p> <p>Lomandra hystrix 'Katie Belles' and 'Tropicbelle'</p> <p>Lindheimer's muhly grass (<i>Muhlenbergia lindheimeri</i>)</p> <p>Giant sacaton grass (<i>Sporobolus wrightii</i>)</p> | <p>Stately golden plumes that grow tightly vertical, durable and showy.</p> <p>Smaller than <i>M. rigens</i> with simple, clean plumes. Easy to grow.</p> <p>Tidy, tough, 3-5 ft. with late spring/summer flowers. Will not reseed.</p> <p>Graceful plumes to 7 ft., 3-4 ft. foliage, tough, evergreen.</p> <p>Showy, feather-like seed heads. Deep rooted and good for dry, alkaline sites.</p> | <p>Low water</p> <p>Suitable Climates: ● ● ● ● ●</p> |
| Invasive Water Plants | Suggested Non-invasive Alternatives | Featured Information | Suitable Climates |
|  <p>Water hyacinth (<i>Eichhornia crassipes</i>)</p> <p>Invasive in climate zones: ● ● ●</p> | <p>King of Siam water lily (<i>Nymphaea</i> 'King of Siam')</p> <p>Pickering weed (<i>Pontederia cordata</i>)</p> <p>Cape pondweed (<i>Aponogeton distachyos</i>)</p> | <p>Large, double purple flowers, floating leaves, roots in bottom soil.</p> <p>Similar flowers, not free-floating, good in ponds, winter dormant, spreads vegetatively.</p> <p>Bright fragrant flowers, foliage floats on water, dormant in winter.</p> | <p>Suitable Climates: ● ● ● ● ●</p> |
|  <p>Yellow water iris (<i>Iris pseudacorus</i>)</p> <p>Invasive in climate zones: ● ● ●</p> | <p>Canna species (<i>Canna</i> hybrids)</p> <p>Japanese iris (<i>Iris ensata</i> and cultivars)</p> <p>Laevigata iris (<i>Iris laevigata</i> and cultivars)</p> | <p>Many colors and sizes available, robust in ponds, may need to be wintered indoors.</p> <p>Best on pond margins, not to be submerged, showy flowers.</p> <p>Grows in shallow water, available flower colors are purple, red or white; poisonous.</p> | <p>Suitable Climates: ● ● ● ● ●</p> |

Find your **Sunset** climate zone: <http://www.sunset.com/garden/climate-zones>. Water needs information from **WUCOLS**. Depends on region.

Photo credits | Top to bottom: John Randall, The Nature Conservancy, Flickr user: a2ka2k, Flickr user: Arthur Chapman, Flickr user: Andreas Kay, Bill Welch.

www.PlantRight.org

Spring Nursery Survey



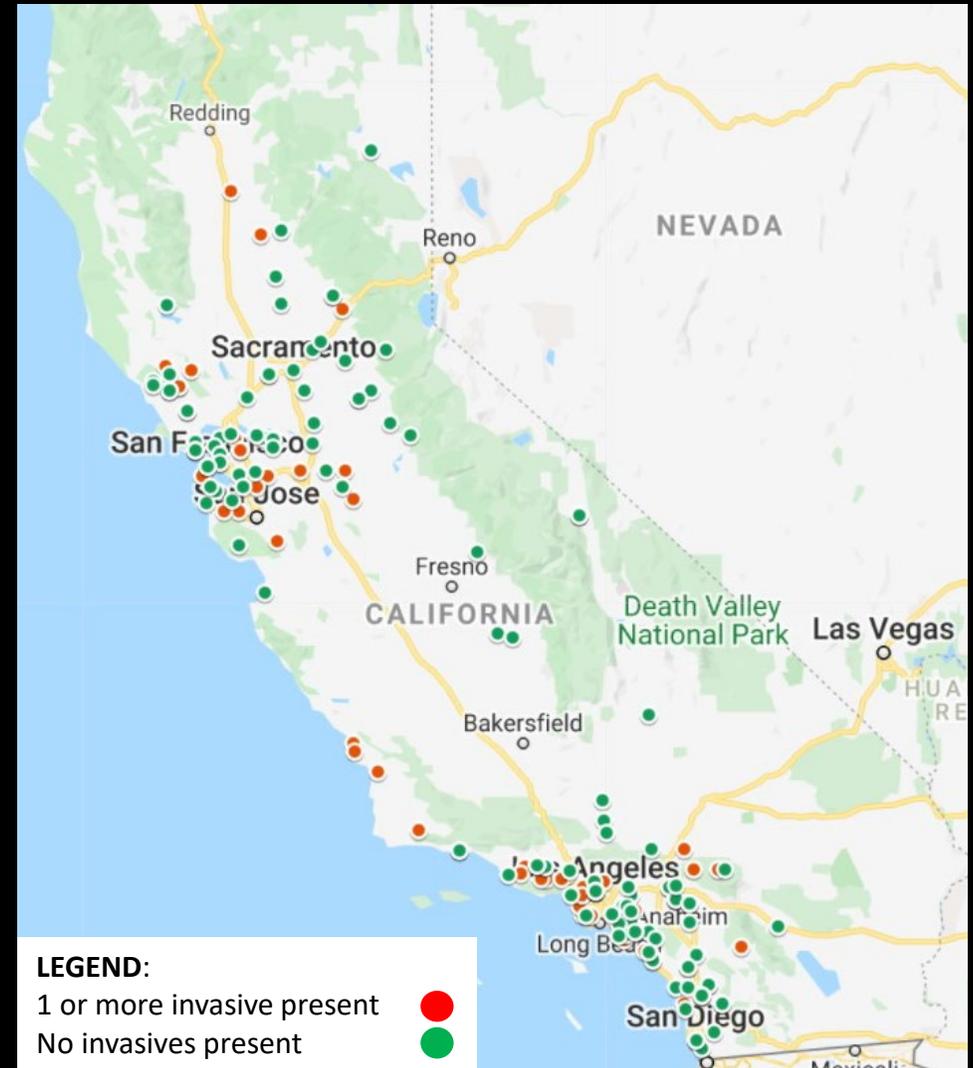
Hedy Zikratch-Tyson

- ✓ Track retail market
- ✓ Update plant list
- ✓ Inform strategy



2021 Nursery Survey

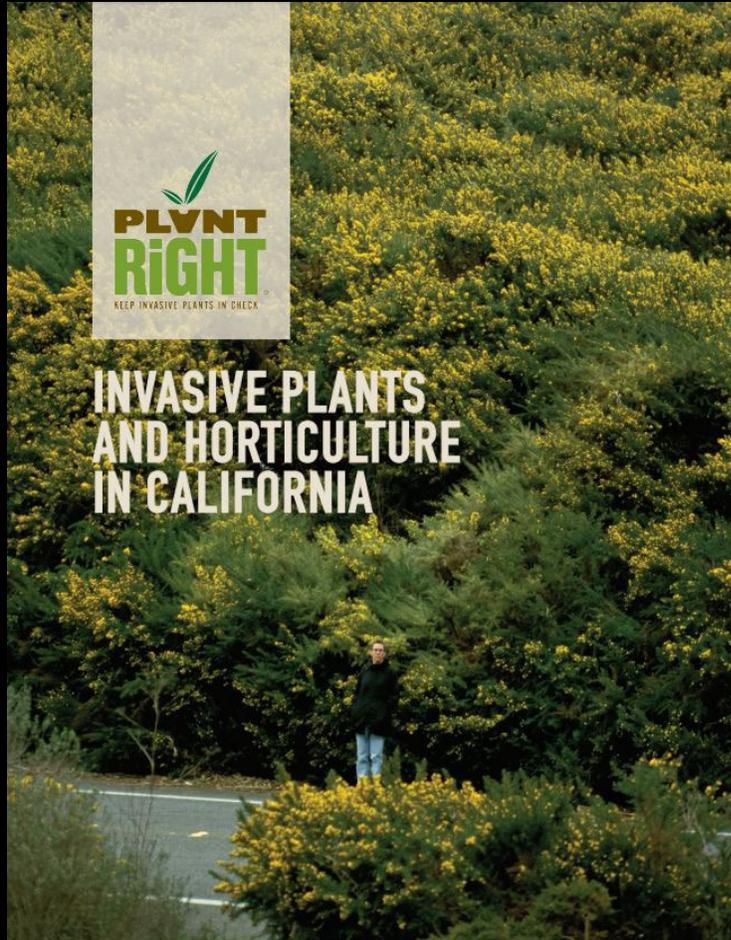
- ✓ 9th year
- ✓ 85 volunteers
- ✓ 190 stores
- ✓ 38 counties



Map 1. Distribution of Surveyed Stores



Continuing Education

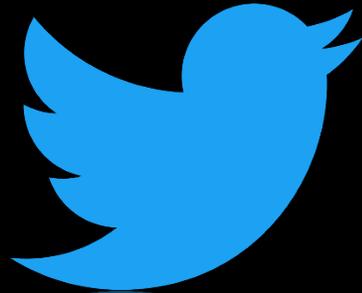


- ✓ Nursery and landscape trade
- ✓ Video and study guide
- ✓ Certificate and CE credits

Social Media



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@_PlantRight



facebook.com/PlantRight



Score Legend

| | |
|---------|----------|
| 1 – 12 | Low |
| 13 – 15 | Moderate |
| 15 – 25 | High |

- Ornamental terrestrial plants
- 20 questions
- 97% accuracy rating
- Evaluation content:
 - ✓ Answers and sources
 - ✓ Climate match map
 - ✓ Reviews
 - ✓ Low-to-high potential risk rating
- Collaborative platform & database

PRE Training funded by Western IPM Center



PRE

Plant Risk Evaluator



BUILDING CONTINUITY ACROSS STATE
PLANT LISTS: PREDICTING INVASION RISK
OF HORTICULTURAL PLANTS

Looking Forward

- ✓ Applying for funding to continue PlantRight survey & outreach
- ✓ Continuing the WIPM working group Year 3
- ✓ Updates to the PRE website (new version)

Contact



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A Program of:



PLANT
CALIFORNIA
ALLIANCE