Green Gardening to Protect Biodiversity

This brochure was produced by the Humboldt Weed Management Area
www.cdfa.ca.gov/go/HumboldtWMA

Alternatives for escaped garden plants of Humboldt and Del Norte Counties

Butterfly bush (Buddleja davidii)

Plant:
Camellia (Camellia spp.)
Pink-flowering currant (Ribes sanguineum)
Rhododendron (Rhododendron maculatum)

Instead of planting:
English holly (Ilex aquifolium)

Plant:
Barberry (Berberis aquifolium)

Instead of planting:
Cotoneaster (Cotoneaster franchettii , Cotoneaster pannosa)

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Instead of planting:
English ivy (Hedera helix) infestation in a California natural area.

Gardener’s actions can have a direct effect in the control of invasive weeds. Carefully consider the invasiveness of any plant you put in your garden. Contact your local nursery or the organizations on this brochure for more information on non-invasive species.

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Forsythia x intermedia

Bush monkey flower (Mimulus aurantiacus)
Primrose jasmine (Jasminum mesneyi)
Japanese rose (Kerria japonica)

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Horticultural and invasive plants have similar life history characteristics, that may make an attractive garden plant invade natural areas disrupting native ecosystems.

<table>
<thead>
<tr>
<th>Garden Plants</th>
<th>Invasive Plants</th>
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<tbody>
<tr>
<td>Easy to propagate</td>
<td>Broad germination</td>
</tr>
<tr>
<td>Establish rapidly</td>
<td>Colonizer</td>
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<tr>
<td>Mature early</td>
<td>Mature early</td>
</tr>
<tr>
<td>Abundant flowers</td>
<td>Prolific seeds</td>
</tr>
<tr>
<td>Pest/disease tolerant</td>
<td>Few natural predators</td>
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</tbody>
</table>

**Why worry about invasive weeds?**

- Invasive weeds are the second most important reason for the loss of biodiversity after habitat destruction.
- Invasive weeds in agriculture and natural areas cost our country billions of dollars per year.

For more information about invasive plants visit:
- [www.northcoast.com/~cnps](http://www.northcoast.com/~cnps)
- [www.cal-ipc.org](http://www.cal-ipc.org)
- [http://tncweeds.ucdavis.edu](http://tncweeds.ucdavis.edu)
- [www.cnps.org/conservation/exotics.htm](http://www.cnps.org/conservation/exotics.htm)
- [www.cdfa.ca.gov](http://www.cdfa.ca.gov)

**How to use this brochure:**

This brochure suggests native and non-native alternatives to invasive species. Because plants can adapt over time, there is no guarantee that one of the suggested alternatives won’t become invasive. Take care with plants that disperse their seeds by animals or the wind, as they may have the ability to become invasive in a natural area.

- **Low water**
- **Moderate**
- **Regular water**
- **Full sun**
- **Part shade**
- **Shade**

**Instead of planting:**

**Foxglove**  
(Digitalis purpurea)

**Plant:**

- **Larkspur**  
(Delphinium spp.)
- **Fireweed**  
(Epilobium angustifolium)
- **Bearb—tongue**  
(Penstemon spp.)

**Douglas’ spiraea**  
(Spiraea douglasii)

**Instead of planting:**

**Pampas grass**  
(Cortaderia spp.)

**Plant:**

- **Tufted hairgrass**  
(Deschampsia cespitosa)
- **Native sedges**  
(Carex spp.)
- **Pacific reedgrass**

**Instead of planting:**

**Iceplant**  
(Carpobrotus spp.)

**Plant:**

- **Strawberry**  
(Fragaria chiloensis)
- **Liveforever**  
(Dudleya spp.)
- **Stonecrop**  
(Sedum spp.)

**Instead of planting:**

**Pig-a—back plant**  
(Tolmiea menziesii)
- **Inside-out flower**  
(Vancouveria planipetala)
- **Island alumroot**  
(Heuchera maxima)
- **Bearberry**  
(Arctostaphylos uva ursi)

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