

Myrtle Spurge



Tom Getts UCCE
Lassen County

University of California
Agriculture and Natural Resources

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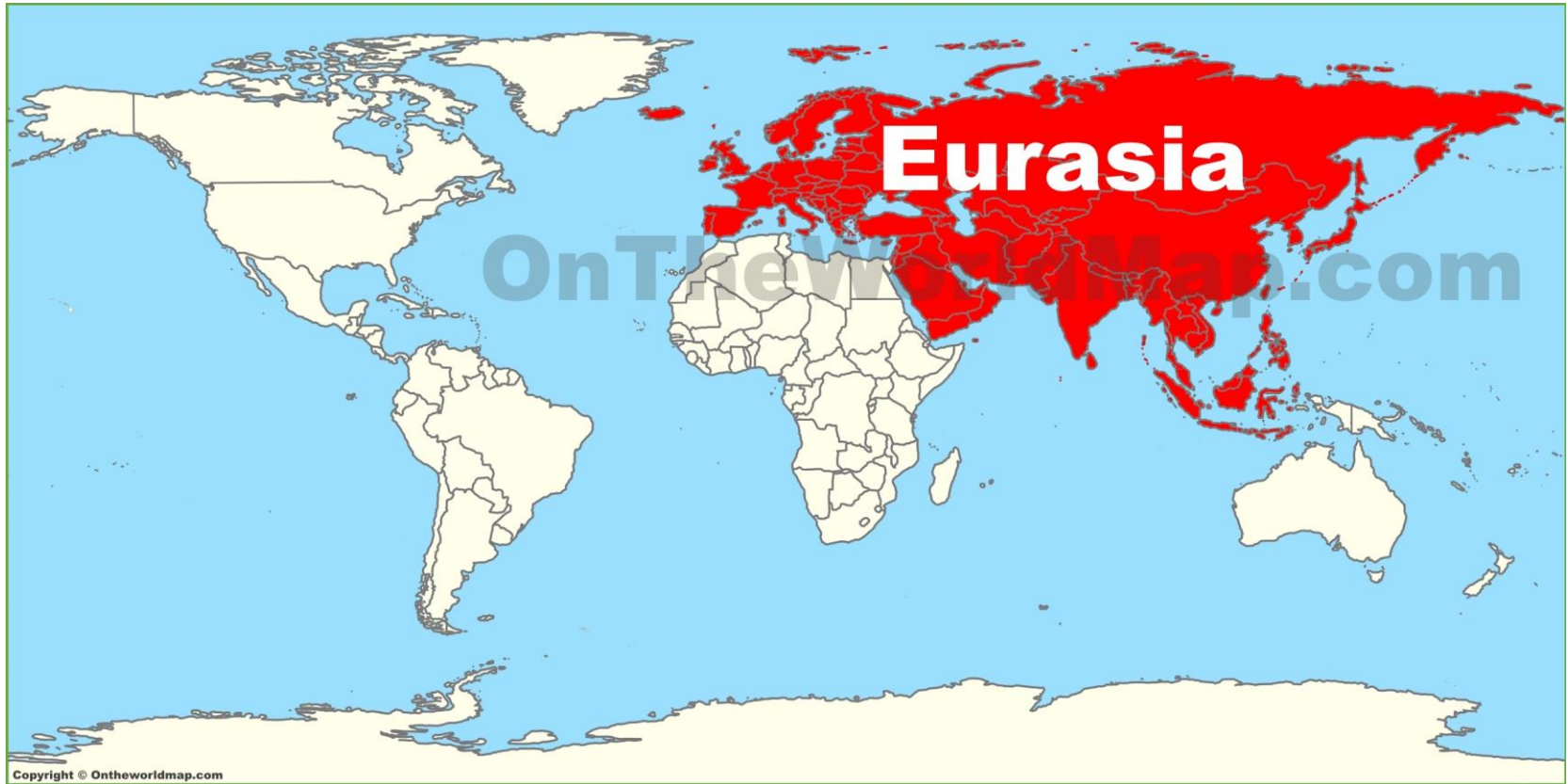


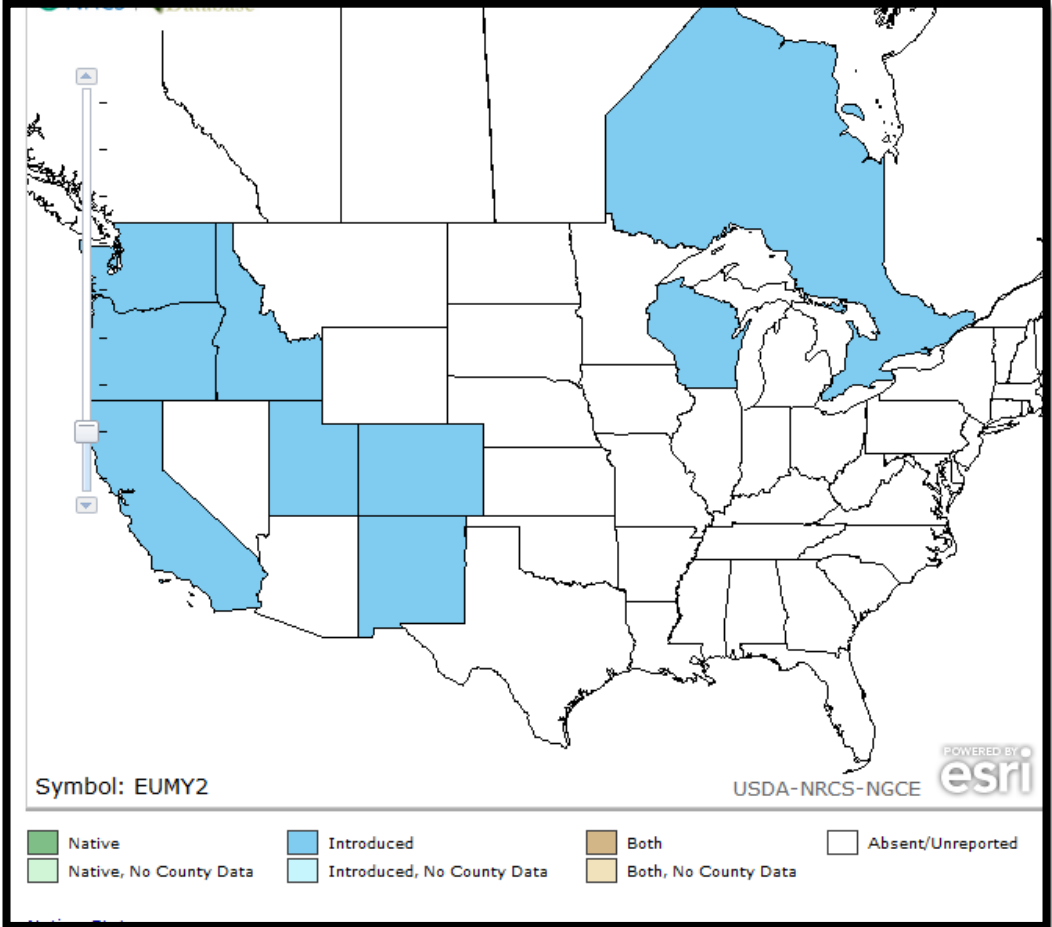
Euphorbia myrsinites

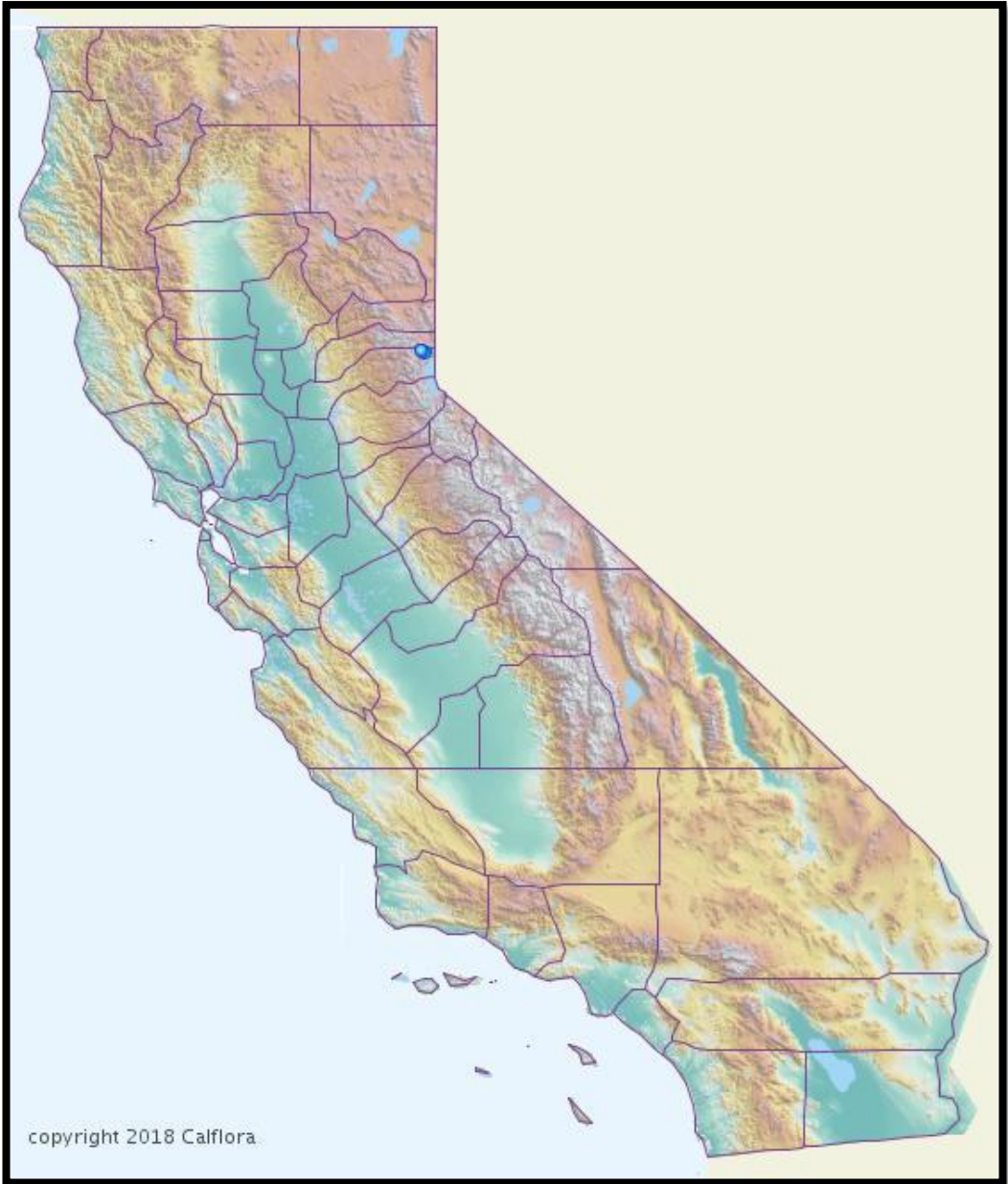
- Myrtle Spurge
- Donkey Tail
- Blue Spurge
- Broad Leafed Glaucus Spurge



Native to Eurasia







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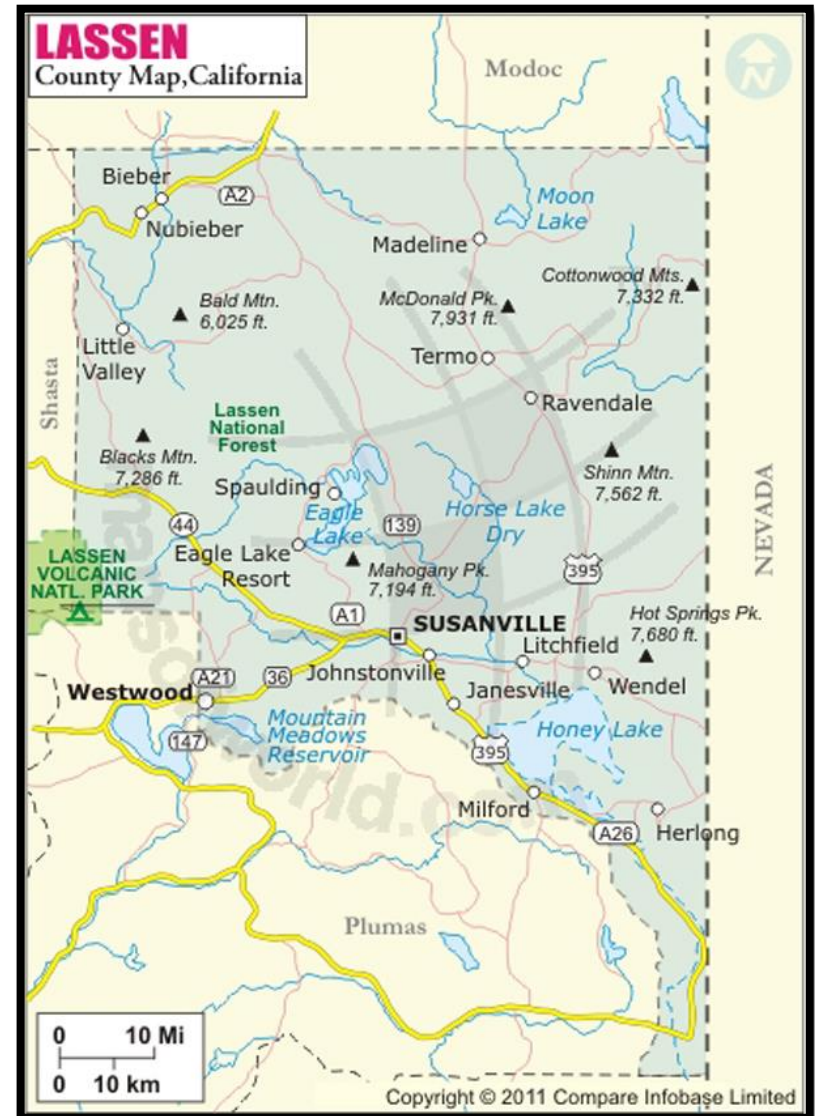
Noxious?

- Colorado- A list
- Washington- B list
- Oregon- B list
- Utah- P
- California-??



Lassen County

- Expanding Population by Stones Landing (Eagle Lake)
 - In neighborhood
 - Along road
 - Spreading into sagebrush/natural system
- BLM contacted
- Lassen Ag Department Contacted
 - Samples collected and submitted to CDFA
 - Species put on Quarantine
 - Q list
 - Evaluated for Noxious Status



Listing Process

- Current Distribution Assessed
 - Two spreading populations
 - Two isolated populations
- Invasiveness Elsewhere Assessed
 - Colorado, New Mexico, Utah, Wyoming, etc., all deemed invasive



Consequence of Establishment

- Suitable Habitat
 - Medium (high elevation/dry sagebrush)
- Dispersal
 - Medium
- Economic Impacts
 - Yield, other state quarantines, production
- Environmental Impacts
 - Endangered species, treatment needed, alter horticultural plantings



Result- A list Weed Species in CA

- Low population level
- High potential for negative impact
 - Ecological
 - Economical
- Deems-ERADICATION!!!
 - Limited populations
 - Potential for success!!!!



Five Other Invasive Spurges in California

- *Euphorbia terracina*- **Carnation spurge-B**
- *Euphorbia virgate*- **Leafy Spurge-A**
- *Euphorbia oblongata*- **Oblong spurge-B**
- *Euphorbia serrata*- **Toothed Spurge-A**
- *Euphorbia dendroides*- **Tree Spurge-B**

Characteristics

- Pretty looking plant
 - Showy yellow bracts
 - Small flowers
 - Blueish green foliage
- Deer tolerant
- Drought tolerant
- Cold tolerant
- Full sun
- Sandy soils/rocky areas



Biology

- Ornamental- Escaped!
- Creeping perennial
- Spread by roots and seed
 - Seed “projected” 5 feet
 - Seed life unknown
 - Estimated at 8 years
- 8-12 inches tall
- 12-18 inches wide



Dermatitis!

- Poisonous when eaten!
- (Sheep and goats - possible grazing?)
- Milky latex sap -
 - Contact dermatitis



Control

- Mechanical
 - Hand pulling
 - Wet soil
 - Get root
 - Multiple times
 - Gloves!
 - Protective eyewear!
 - Cultivation
 - Suppression
 - Can spread population
 - Plant desirable species



Control

- Biocontrol
 - Grazing goats- suppression
 - Insects?
 - Diseases?
- Chemical
- Spring or fall applications
 - 2,4-D (hardball)
 - Dicamba
 - Roundup
 - Across state lines-Tordon
- Surfactant needed- waxy leaves



Spread the Word!

- Purge the Spurge! (*Phase Stolen from Utah and Colorado)



Questions?

