

# Willamette Valley Ecology Research Q's

## ① Importance of native plants

- "Important" means a lot of different things
- WILDLIFE
- Aesthetics
- Adapted to local conditions - less susceptible to extremes like drought, flooding, etc.

## ② Importance of non-native plants

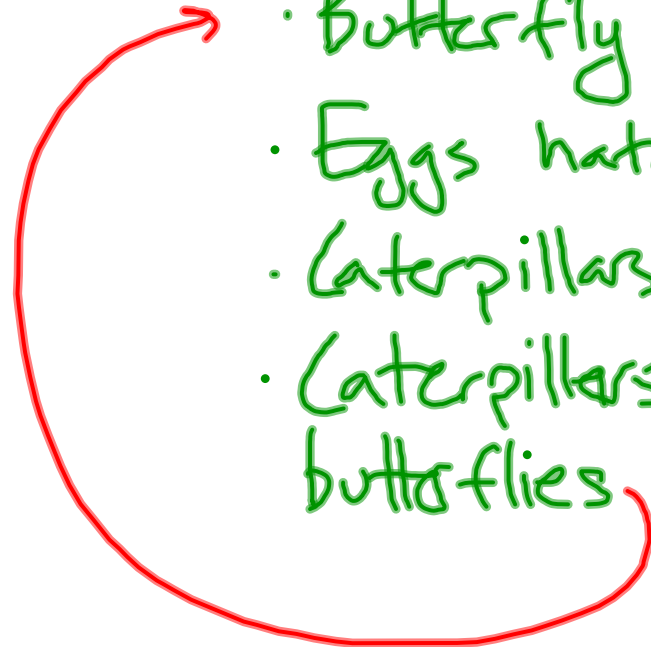
- Aesthetically displeasing
- A few non-native plants can outgrow and crowd out native species
  - ex. him. blackberry
  - ex. english ivy

### 3. Rarity of oak savannah landscapes

- Replaced by agriculture
- Housing and other development
- Replaced through natural processes by Douglas Fir forests. (Fires are much less common now than 200+ years ago.)

more,  
later.

#### 4. Kincaid's lupine $\longleftrightarrow$ Fender's blue

- Butterfly lays eggs on lupine \*exclusive
  - Eggs hatch into caterpillars
  - Caterpillars eat lupine \*exclusive leaves
  - Caterpillars metamorphose into butterflies
- 

## 5. Pros & cons of fire as a management tool

+	-
<ul style="list-style-type: none"><li>• generally effective at changing landscapes</li><li>• usually is not harmful to native species</li><li>• quick &amp; easy</li></ul>	<ul style="list-style-type: none"><li>• requires extra work if you wait too long</li><li>• needs to be done every 1-5 years</li><li>• can promote growth of certain non-native plants</li><li>• not compatible with most human activities</li></ul>