# **Watch It Burn**

Using fire as a tool to address reinvasion of juniper trees after initial treatment and promote healthy sagesteppe ecosystems

### **Laura Snell**

University of California Cooperative Extension Modoc County

University of California Agriculture and Natural Resources

# Background Over 3 Million Acres in Northern California Affects Habitat, Forage, and Hydrologic Function Perils of the Chipping Market University of California Agriculture and Natural Resources

# Background

### Partners in Research

- David Lile UCCE Lassen
- Tom Getts UCCE Lassen
- Janyne Little UC Davis



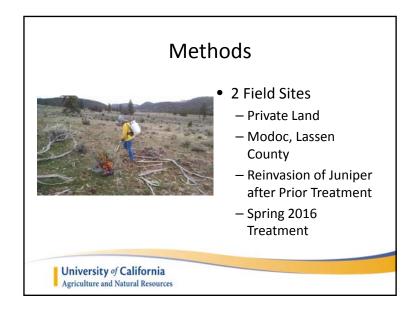
University of California Agriculture and Natural Resources

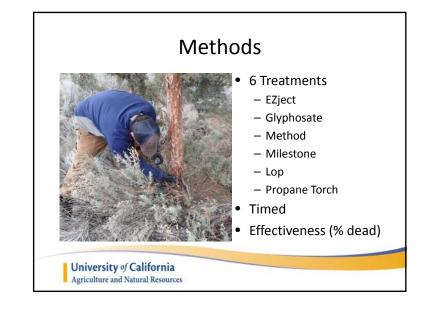
# Background – Research Holes

- fargeting re-invasion
- Trials for fast and efficient juniper control
- Private land verse public land control methods
- Field test Miller et. al. resilience and resistance
- Quantify forage production changes

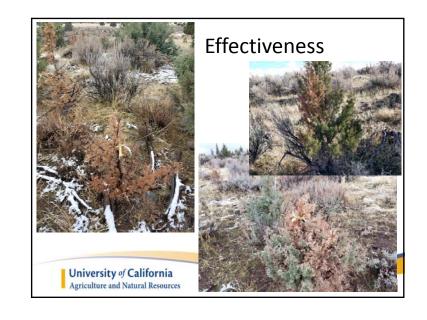






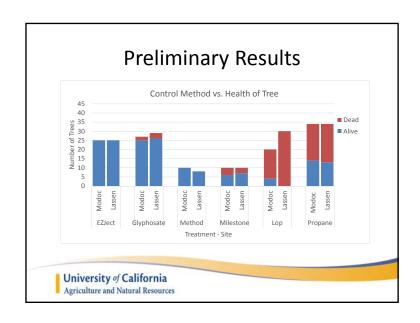


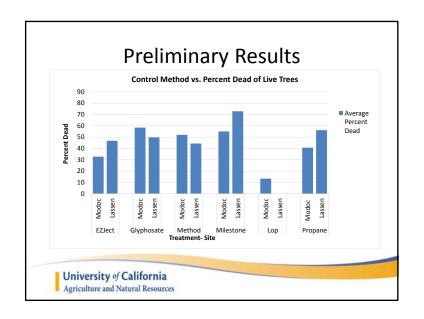


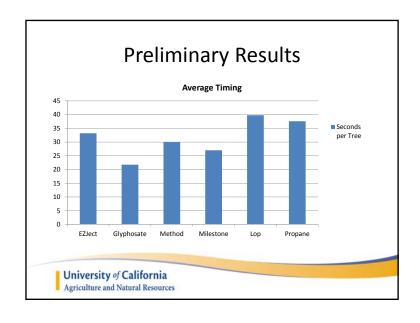












## **Conclusions**

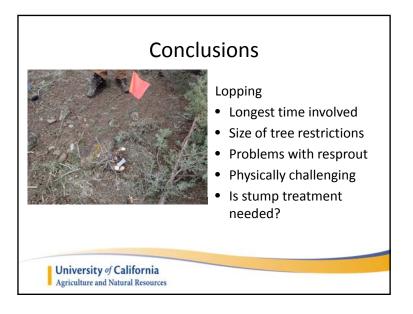
### Ezject

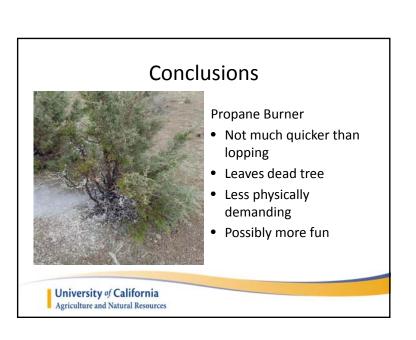
- Expired herbicides do not work
- 22 shells are not as economically viable as once were

### Hack and Squirt

- Very quick application
- Not as effective on conifers
- Timing may be a factor
- · Hack around the tree?
- More herbicide?

University of California Agriculture and Natural Resources





# Conclusions We have not solved the problem. Good thing there are plenty of juniper trees out there. We have learned some important lessons though.





University of California Agriculture and Natural Resources