

Completing the knowledge cycle: Deriving IPM knowledge directly from practitioners on working landscapes

L.M. Roche^{1,2}, T.K. Schohr², J.A. Shaw¹, K.W. Tate^{1,2}, E.S. Gornish³

University of California¹, Davis; UC Cooperative Extension²; University of Arizona Cooperative Extension³



Completing the knowledge cycle...

Purpose:

Leverage the largely untapped weed management knowledge of land managers via synergistic activities (workshops, surveys, interviews).

Goals:

1. Understand how practitioners make decisions about weed management approaches.
2. Identify factors contributing to success or failure.
3. Understand how to strengthen linkages between academic research and field application.



Deriving knowledge from managers... "Knocking Out Noxious Weeds on Rangelands"



>300 participants, 7 workshops

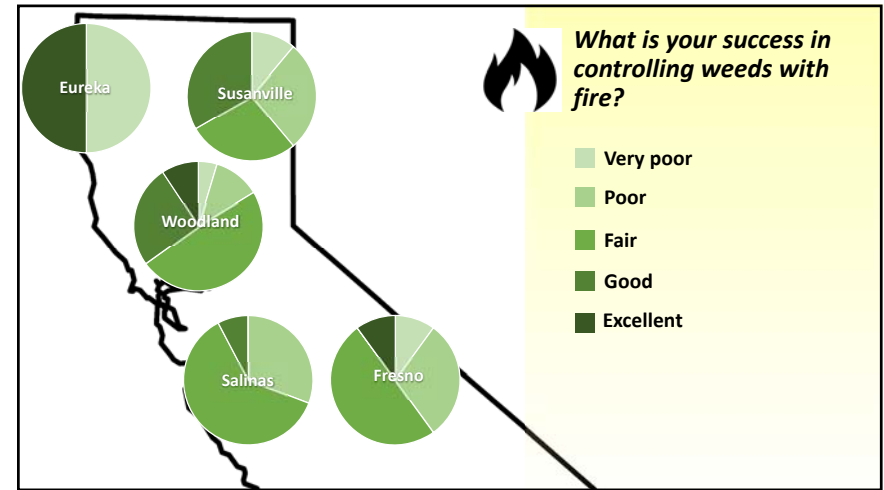
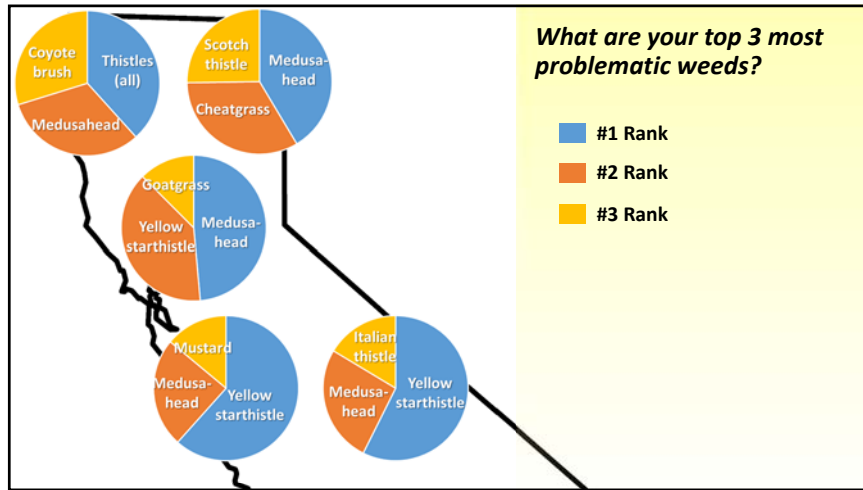
- Ranchers, Private landowners
- Rangeland Professionals
- State and Federal Agencies
- Non-governmental Organizations

Land Management Decision-Making

Approximate acres of land you have direct management on...

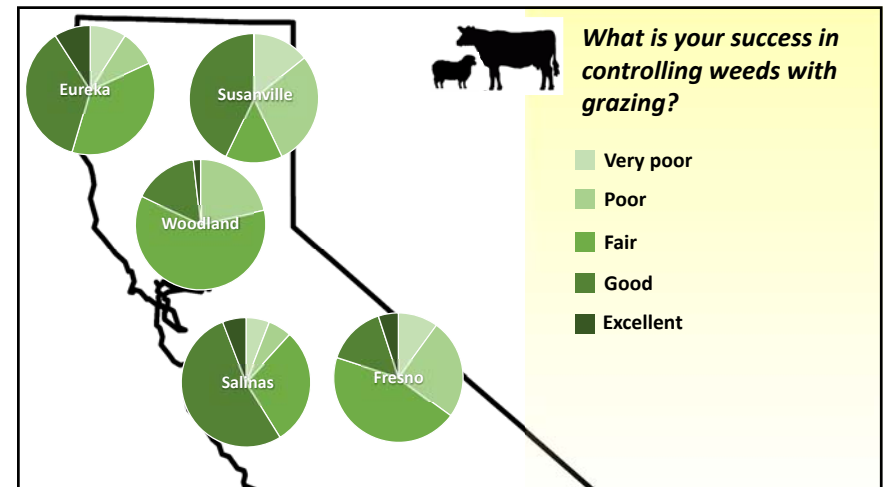
	Min acres	Mean acres	Max acres
Eureka	0	79,944	1,900,000
Susanville	0	576,672	4,032,000
Woodland	0	13,860	200,000
Salinas	10	20,516	330,000
Fresno	20	31,502	448,000


(n=155)



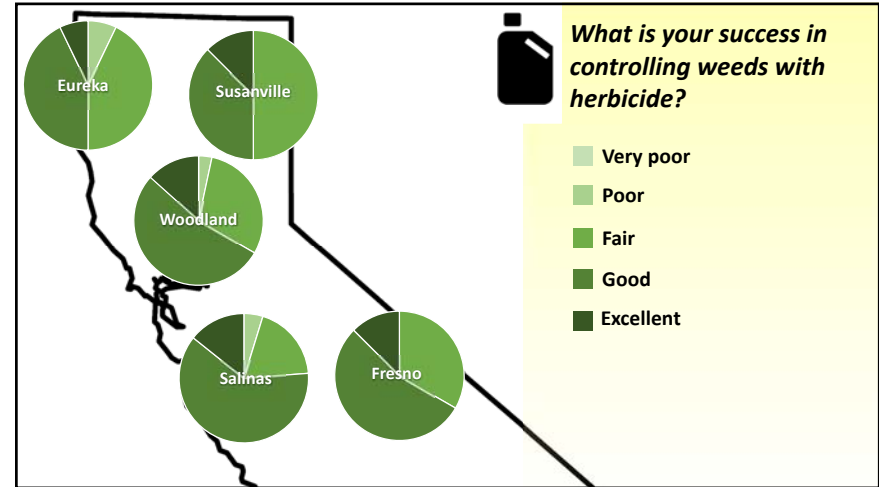
What are your main concerns about using prescribed fire to manage weeds?


	Eureka	Susanville	Woodland	Salinas	Fresno
#1	Permitting	Loss of control	Permitting	Permitting	Permitting
#2	Public perception	Other	Loss of control/Public perception	Loss of control	Loss of control
#3	Loss of control	Weeds not adequately controlled	Lack of experience	Public perception	Public perception




 **What are your main concerns about using grazing to manage weeds?**

	Eureka	Susanville	Woodland	Salinas	Fresno
#1	Poor palatability-toxic weeds	Water availability	Weeds not adequately controlled	Poor palatability-toxic weeds	Weeds not adequately controlled
#2	Other	Weeds not adequately controlled	Poor palatability-toxic weeds	Weeds not adequately controlled	Poor palatability-toxic weeds
#3	Unintended effects/ Predators	Poor palatability-toxic weeds/ Forage quality	Water availability	Access to animals/Other	Water availability/ Other

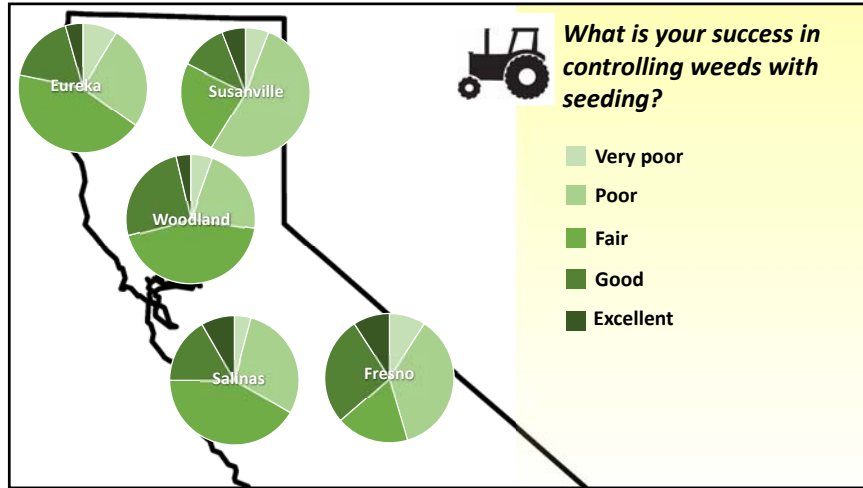


 **Which herbicides do you use most often?**

	Eureka	Susanville	Woodland	Salinas	Fresno
#1	Glyphosate (Roundup)	Glyphosate (Roundup)	Glyphosate (Roundup)	Glyphosate (Roundup)	Glyphosate (Roundup)
#2	Imazapyr	Telar/ Milestone	Telar/ Milestone	Milestone	Milestone
#3	2, 4-D	2, 4-D	Garlon	2, 4-D	Transline

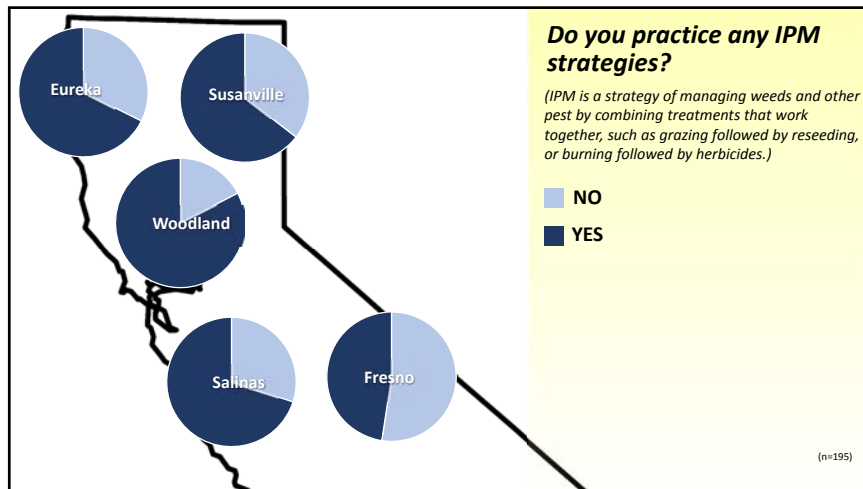
 **What are your main concerns about using herbicide to manage weeds?**

	Eureka	Susanville	Woodland	Salinas	Fresno
#1	Effects on non-target plants	Effects on non-target plants/ Cost	Effects on non-target plants	Effects on non-target plants	Cost
#2	Other	Public perception	Cost	Public perception	Effects on non-target plants
#3	Cost/ Public perception	Permitting	Public perception	Cost	Permitting



What are your main concerns about using seeding to manage weeds?

Reason	Eureka	Susanville	Woodland	Salinas	Fresno
#1	Cost	Cost	Establishment	Cost	Cost
#2	Establishment	Establishment	Cost	Establishment	Establishment
#3	Terrain	Availability of water/Terrain	Water availability	Water availability	Lack of experience



Next steps....

- Complete data analyses for all 7 workshops
- Transcribe and analyze in-depth, semi-structured interviews
- Identify emerging UC research and Extension priorities

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All 357 participants!



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