



## NON-CHEMICAL WEED CONTROL TECHNIQUES BMP TRAINING – SOUTHERN CALIFORNIA

4 MAY 2021

ONLINE

### AGENDA

- 1:00 – 1:15 Welcome and Introduction** – Jutta Burger, Cal-IPC and Cheryl Wilen, UC ANR
- 1:15 – 1:35 Pulling Them Out by Their Roots: Manual removal with hand tools** – Henry DiRocco, Laguna Canyon Foundation  
-Live and video-recorded presentation of key tools and methods for manual whole plant removal, with demonstration. Optimal conditions, most suitable target plants, risks, and costs will be described.
- 1:35 – 1:45 Severing their Lifeline: Severing Roots** – Shani Pynn, Riverside Corona Resource Conservation District  
-Live and video-recorded presentation of key tools and methods for controlling weeds by severing roots, with demonstration. Optimal conditions, most suitable target plants, risks, and costs will be described.
- 1:45 – 2:00 Getting them Early: Scuffle Hoes and Grub Hoes** – Chris McDonald, UC ANR  
-Live and video-recorded presentation of key tools and methods for hoeing weeds both with scuffle hoes and grub hoes, with demonstration. Optimal conditions, most suitable target plants, risks, and costs will be described.
- 2:00 – 2:15 Killing Them Softly While Keeping the Soil Intact: Bladed Hand Tools** – Sandy DeSimone, Audubon Starr Ranch  
-Live and video-recorded presentation of key tools and methods for controlling plants by cutting them above ground, with demonstration. Optimal conditions, most suitable target plants, risks, and costs will be described.
- 2:15 – 2:30 Mechanizing Removal: String Trimmers and Brush Cutters** – Collin Raff and Isaac Ostmann, Irvine Ranch Conservancy  
-Live and video-recorded presentation of motorized string trimmers and brush cutters as tools to control weeds, with demonstration. Optimal conditions, most suitable target plants, risks, and costs will be described.
- 2:30 – 2:45 Turning Up the Heat: Steaming** – Cheryl Wilen, UC ANR  
-Live and video-recorded presentation of steaming as a technique to locally control weed seedlings, with demonstration. Optimal conditions, most suitable target plants, risks, and costs will be described.
- 2:45 – 3:00 Stewing Seedlings: Solarizing** – Robert Freese, Irvine Ranch Conservancy

-Live and video-recorded presentation of solarizing as a technique to control a weed seed bank prior to restoration seeding or planting, including a demonstration of materials and process. Optimal conditions, most suitable target plants, risks, and costs will be described.

3:00 – 3:20 *Break (and Review Quiz)*

**3:20 – 3:40 Evening out the Playing Field: Competitive Planting** – Chris McDonald, UC ANR  
Powerpoint presentation of competitive planting as a technique to reduce weed cover and enhance habitat. Highly competitive native plants will be highlighted, as will planting and maintenance techniques to improve chances of success. Optimal conditions, most suitable target plants, risks, and costs will be described.

**3:40 – 4:00 Serving Them Up: Grazing** – Theresa Becchetti, UC ANR  
Powerpoint presentation of targeted grazing as a technique to reduce target weed species and thatch at scale and maintain site diversity. Cow, sheep, and goats will be covered, with emphasis on goats, a more commonly used species in southern California. Optimal conditions, most suitable target plants, risks, and costs will be described.

**4:00 – 4:20 The Enemy of My Enemy: Biocontrol** – Patrick Moran, USDA  
Powerpoint presentation of biological control as a technique to reduce target weed species and thatch at scale. The process of developing a biocontrol agent will briefly be described. General biological control principles will be covered as well as site conditions that can improve biocontrol agents' efficacy. At least one case study will be presented of an agent that is active in the southern California region but not permitted for release due to sensitive species concerns.

**4:20 – 4:45 Panel Discussion**  
-Speakers will rejoin and take questions and input from the audience.

**4:45** *End. Final Examination + Exit survey*

***Thank you for attending!***  
**3 hr DPR OTHER credit submitted**