



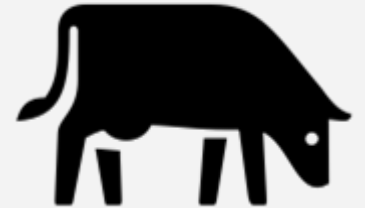
How to Implement Grazing into a Vegetation Management Plan

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Vegetation Management Options

Considerations:

- Cost
- Availability
- Access
- Practicality
- Policy
- Social Acceptability
- Environmental Impact



How prescribed grazing can achieve your goals

Range & Forest Lands

- What are your land goals?
- What do you want your land to look like after grazing?
- What resources do you have – fencing, water, etc.?
- What type of vegetation are you wanting to control?
- How long will you use prescribed grazing?
- In which order to use grazing with the other practices?



Previously Funded CalFire Projects

- Los Angeles, contracted free-range goat grazing, brush cleared along to expand defensible space
- Created fuel breaks to be maintained w/ goat grazing, for 4 years fuels reduction in WUI, \$900/acre – mastication, grazing, chipping
- GHG benefits, goat grazing to clear brush, inaccessible by hand clearing or machine
- Reduce GHG through forest thinning, mastication, chipping and grazing.



Cal Fire Wildfire Prevention Grants

- Applicants need to work with their Regional Offices and Local CAL FIRE Unit foresters on budget questions to ensure they are including the data the Region and Unit prefers.
- Applicants should be working with the Units and Regions during the application process anyway, it's a critical relationship for the best chance for a successful application.
- Maximum award amount for the FY22-23 Grants is \$5 million. This cap is per grant, not per applicant.
- Projects are evaluated on what is needed in that county, consistent with local fire plans, evacuation plans, prevention plans, safety plans, viability, reasonable project costs, "biggest bang for our buck" i.e. greatest protection of people, structures, and communities.
- Local CAL FIRE Unit grant reviewers will be reviewing and evaluating the projects based on their forestry and fire knowledge of what will work best for the areas under their responsibility. The applications are also reviewed by Regions, Sacramento HQ staff, and executives, using the same criteria.
- Cal Fire grant program has always included grazing as an eligible fuels reduction activity, and nothing is different this year. It is business as usual for our Unit foresters, Regions, and Wildfire Prevention Grants.
- Possibility a grazing plan will be required; applicants need to budget for that in their application

Choosing the right animal for the job

GOATS



SHEEP



BEEF



Which Vegetation Do You Want to Manage?



Grass



Forb



Browse



Conifer

What 's your short and long term plans to manage the vegetation?

Grazing- A Breakdown

Why Graze?

Grazing can be more cost-effective on landscapes that are too steep, rocky, or remote for conventional vegetation management (like mowing or chemical treatment), or in the urban-wildland interface where burning is not an option.

Targeted Grazing

Utilizing a specific type of livestock to impact invasive weeds, enhance habitat restoration efforts, and/or reduce fine fuels and ladder fuels to lessen wildfire hazard.

Choosing Livestock

Consideration of the site characteristics and vegetation management goals is paramount when selecting the appropriate species for the job, every piece of land is unique!

3-Grazing Tiers - Multiple Scales

Community

Small-scale livestock grazers use their animals to graze a community of small-scale properties. Properties can range from $\frac{1}{4}$ acre to several acres, animals graze one parcel then are moved to a neighboring parcel. Usually no money is exchanged; grazers received free forage.

Contract / Targeted Grazing

Targeted or contract grazing is the application of a specific kind of livestock at a determined season, duration and intensity to accomplish defined vegetation or landscape goals. Usually the grazer is paid for their service or no money is exchanged.

Commercial Grazing

Commercial / Traditional grazing is where livestock producers pay landowners to graze their properties, seasonally or year round; to meet nutritional and production goals of the livestock.

Economic Breakdown on Grazing

Labor

Managing grazing animals from pasture to pasture takes skilled labor that can calmly work with animals, while also dealing with the landowners, public or other animals.

Hauling Animals & Equipment

Moving animals from pasture to pasture requires equipment (truck, trailer) along with moving fencing and water to different grazing sites.

Animals Graze Year Round

A yearly source of forage is needed to maintain animal health. “Home” sites are not always available for contract/targeted grazers.

Animal Production Concerns

Nutrition / Toxic Plants

Timing for fuel reduction may not be when plants are most palatable. Novel plants, yard clippings, etc. can be a hazard when grazing different pastures or near urban settings.

Predation / Logistics

Moving to different pastures, neighborhoods or urban settings might not allow guarding animals with livestock. There could be increased predation pressure with the introduction of grazing animals.

Animal Welfare

Need for shade and shelter; manage animal health issues in a public setting, natural disasters, evacuations, etc.

Match.Graze

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<https://matchgraze.com>



Match.Graze- An Overview

Match.Graze is a **FREE** online platform that connects livestock producers and landowners throughout the state of California. Match.Graze can help you pair up with the animals or land base that you need! With this service, University of California Cooperative Extension (UCCE) aims to support the expanded use of grazing to achieve California's collective habitat enhancement and fuels reduction goals.



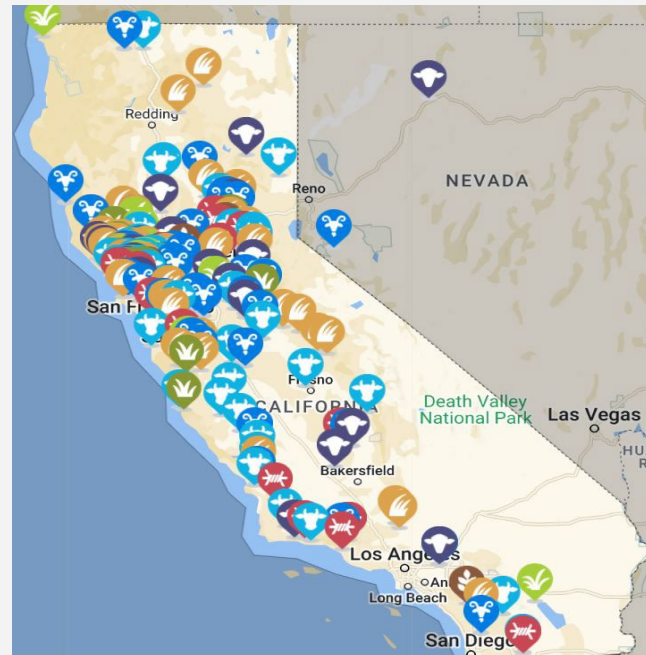
MatchGraze.com- Features

Match.Graze offers users tools which can help them find their best grazing match some of which include:

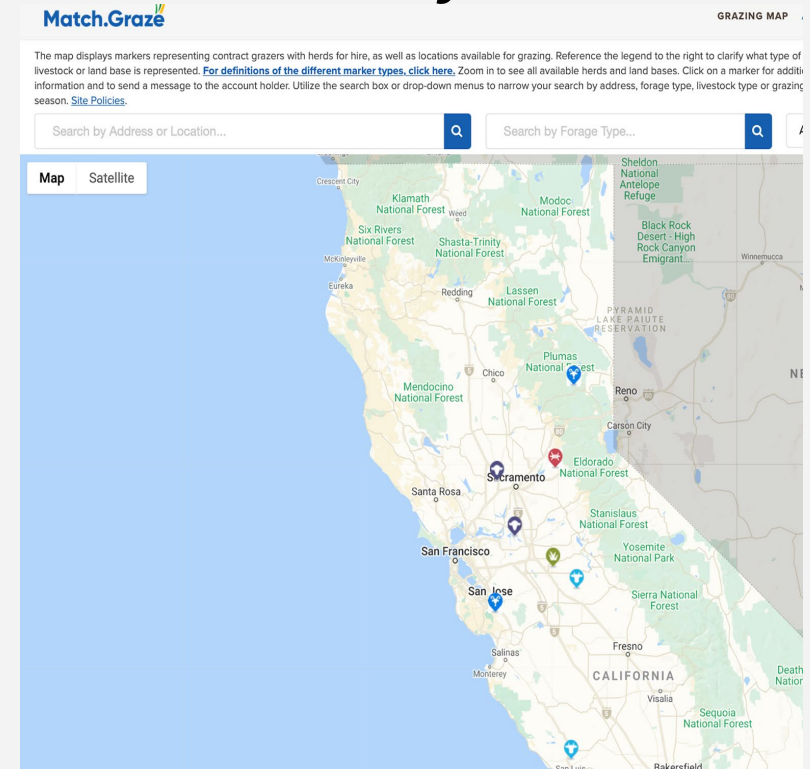
- Interactive Grazing Map
- Customizable Pins
- About Page
- Resources
- How-To Video

January 2023

Match.Graze

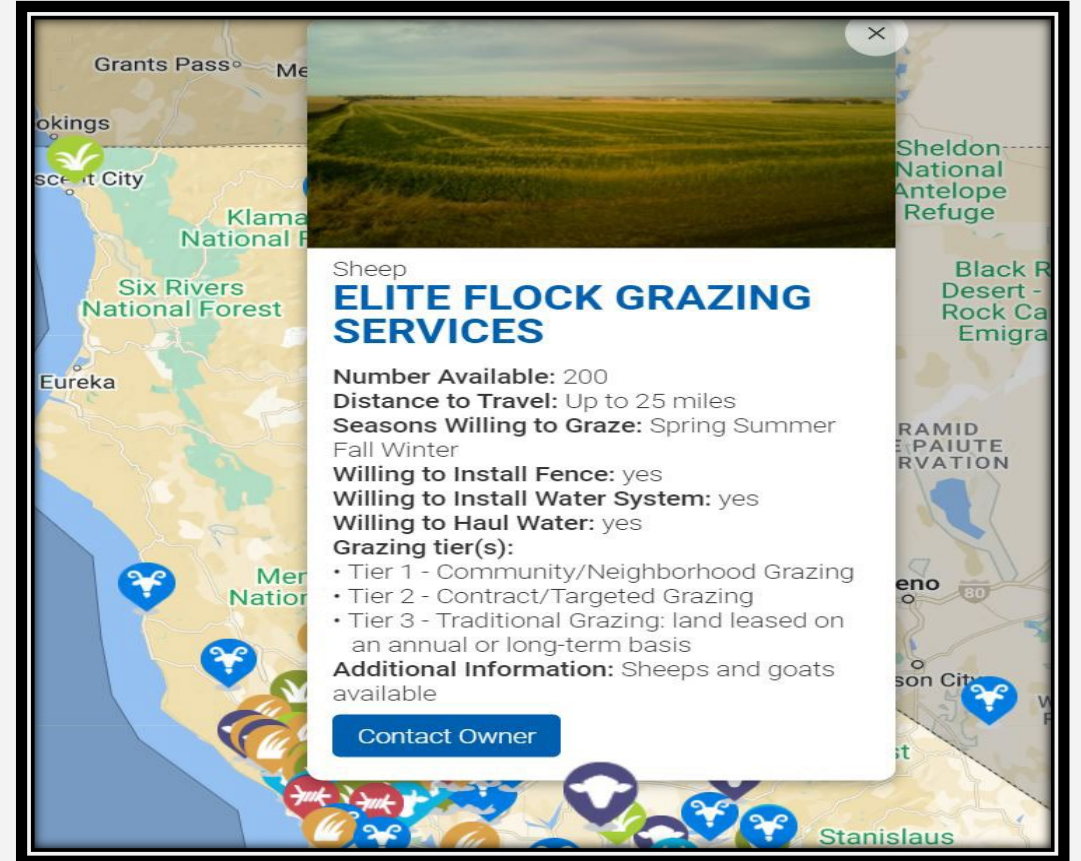


February 2021



Screenshots of the live map from
MatchGraze.com!

Match.Graze- Getting Started



Final Thoughts

Every property / project to be grazed is *different* and requires thoughtful consideration on how prescribed grazing can be implemented to managed vegetation to achieve fire fuels and other resource goals. When developing your Cal Fire grant application, use local resources, such as UCCE Farm Advisors, RCDs, and CRM consultants who can assist in the development of your grant that uses grazing to achieve the CAL FIRE Wildfire Prevention Grant objectives.

Thank you!

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