

Biochar Coalition

Boots on the Ground



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Risen from Ash

2018 - 2022

43,843 wildfires burned

8.7 million acres in California

Char Awareness

Biochar Eco-Restoration

Fostering Responsibility

Simplifying Participation



P.R.C DIVISION 13 ENVIRONMENTAL QUALITY [21000 - 21189.91]

(e) Every citizen has a responsibility to contribute to the preservation and enhancement of the environment.

Amended 1979



EMPOWERING CITIZENS



10,000 cubic yards of wood chips



Forest Management

Future:
Conservation
Biochar
Prescribed Burns



Past: Mastication - Herbicides
Slash to Ash - Chipping - Hauling



Engagement Opportunities

Portable technology

Accessibility

Stable carbon for ecosystem support

Carbon market awareness & stimulation



Igniting Education



Educational workshops



Community engagement



Professional training programs



Top-Down Burning

Produce Biochar with or without kilns

Explain the benefits of top-down burning

Stop slash turned to ash, minimizing environmental impact



Workforce Training & Development

Workforces dedicated to biochar production

**It's not man power its willpower
training and skill development**

Mobile Kilns role in increasing awareness, production, and utilization of biochar

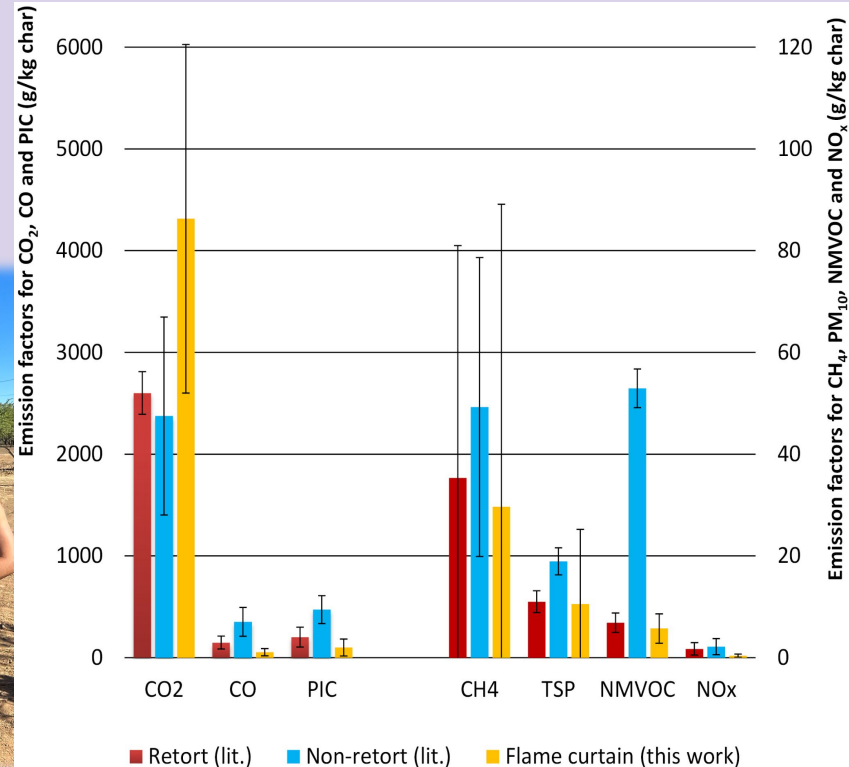


Issues Resolved and Continuing

Path to compliance is a battlefield.

Volatile Organics Compounds
Life Cycle Assessments
Air Control Boards
Preconceived Notions

*Cornelissen G, Pandit NR, Taylor P, Pandit BH, Sparrevik M, et al.
(2016) Emissions and Char Quality of Flame-Curtain "Kon Tiki"
Kilns for Farmer-Scale Charcoal/Biochar Production*



Economic and Environmental Benefits

- Mobile biochar production
- Job creation and value-added woody products
- Reduced Emission to normal practices
- Enhance communities to increase ecological resilience
- Fortify ecological systems
- Reduce threats by implementation to forest practices
- Highly skilled burn crews
- All-Inclusive
- Fire is stimulating

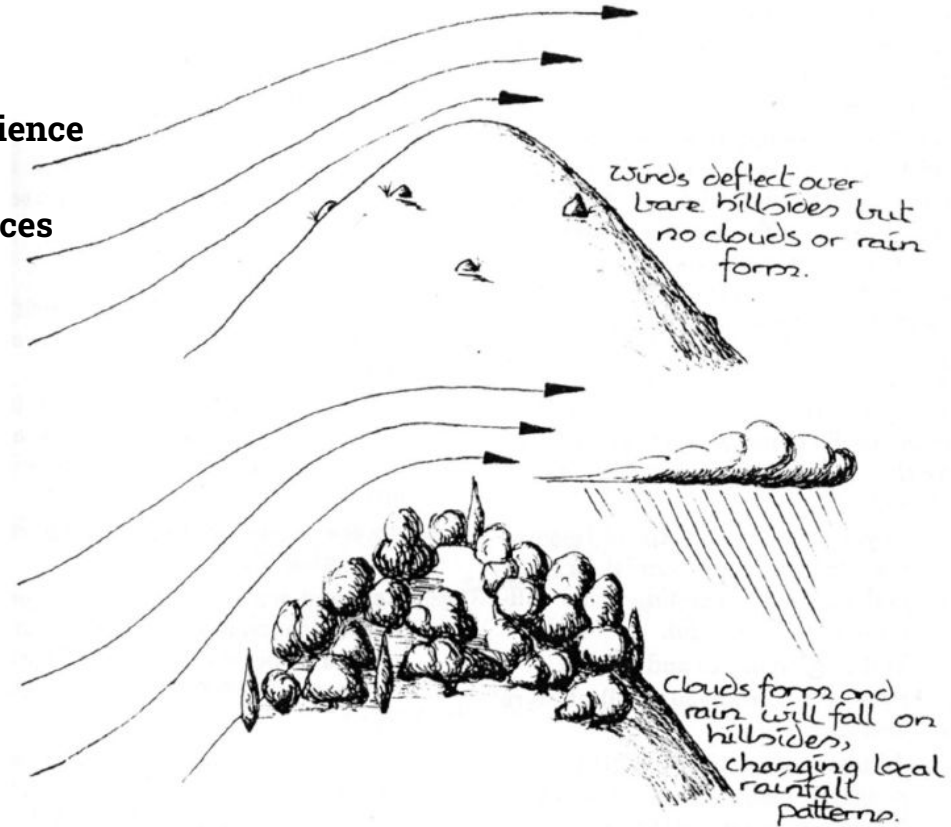
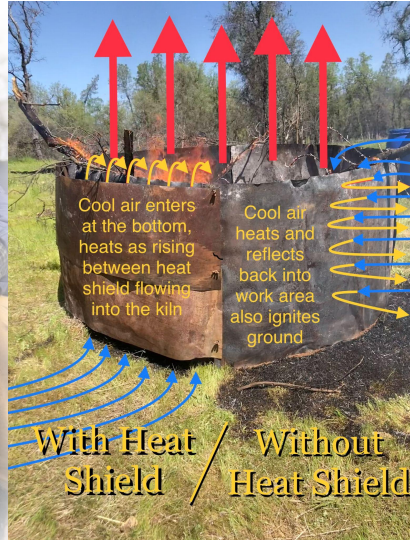


Figure 7.4 Wind deflects over bare hilltops but no cloud or rain is produced. Clouds will form and rain will fall on forested hillslopes, changing local rainfall patterns.

More Success Will Happen

Increasing biochar projects and initiatives
Together we make a greater impact





Join Us!
Get Involved!
**There is much
work to do**

