

Controlling medusahead  
with high rates of  
*Milestone*

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# Medusahead

(*Taeniatherum caput-medusae*)



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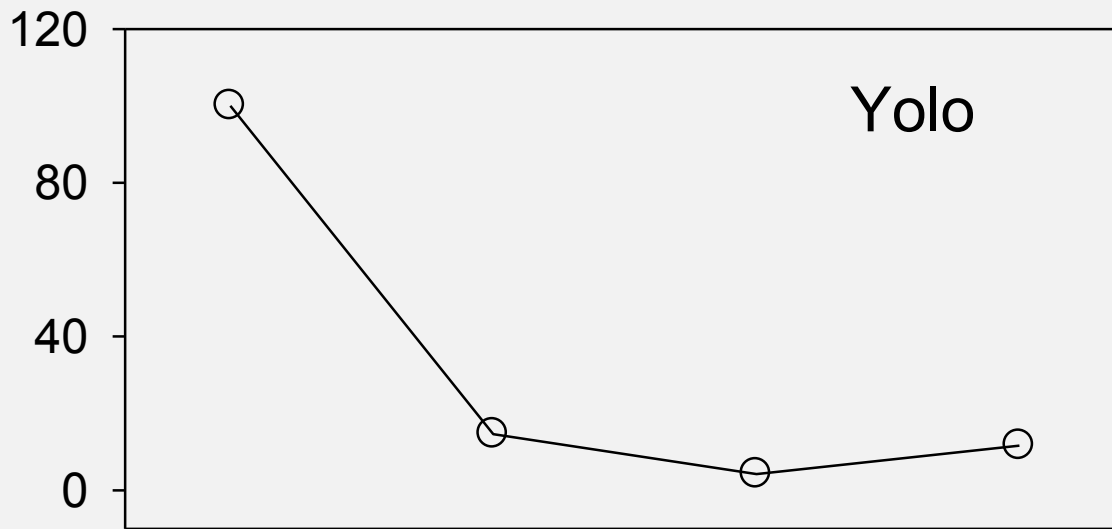
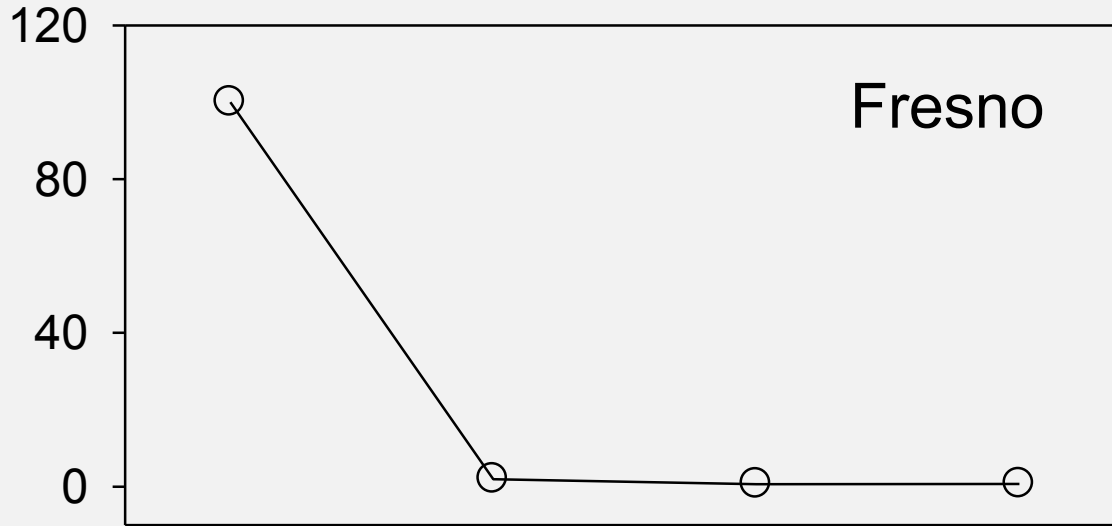


Control seed  
production

Burn it, eat it,  
spray it with *Plateau*



Medusahead cover  
(% relative to untreated)



Pre burn    One burn    Two burns    Followup



## *Milestone*®

(aminopyralid, 2 lb ae/gal)

- Broadleaf selective (auxinic)
- Mostly used for thistles
- Pre- and postemergence
- 3 to 7 oz/acre  
(14 oz for spot treatment)













Postemergence –  
14 oz *Milestone*





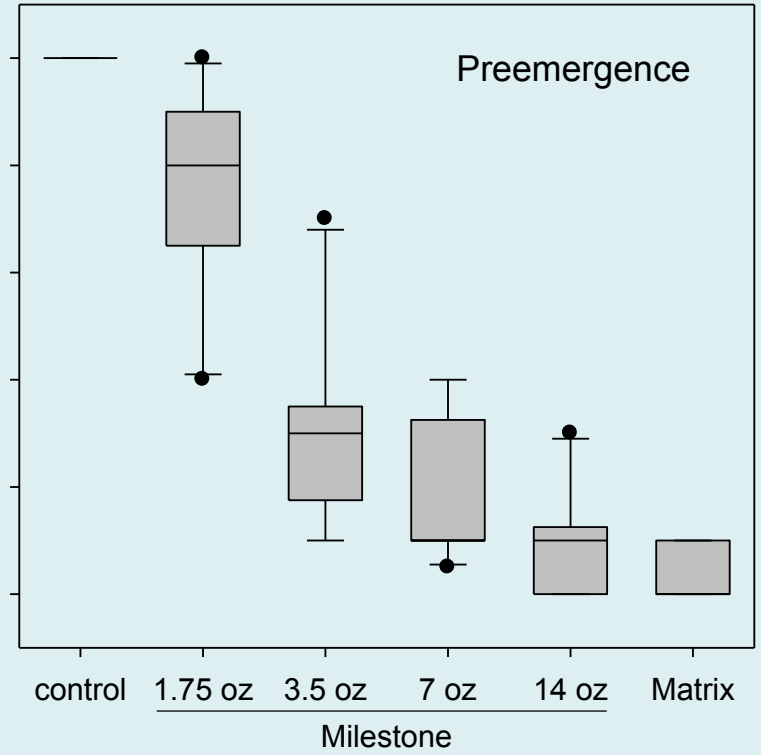
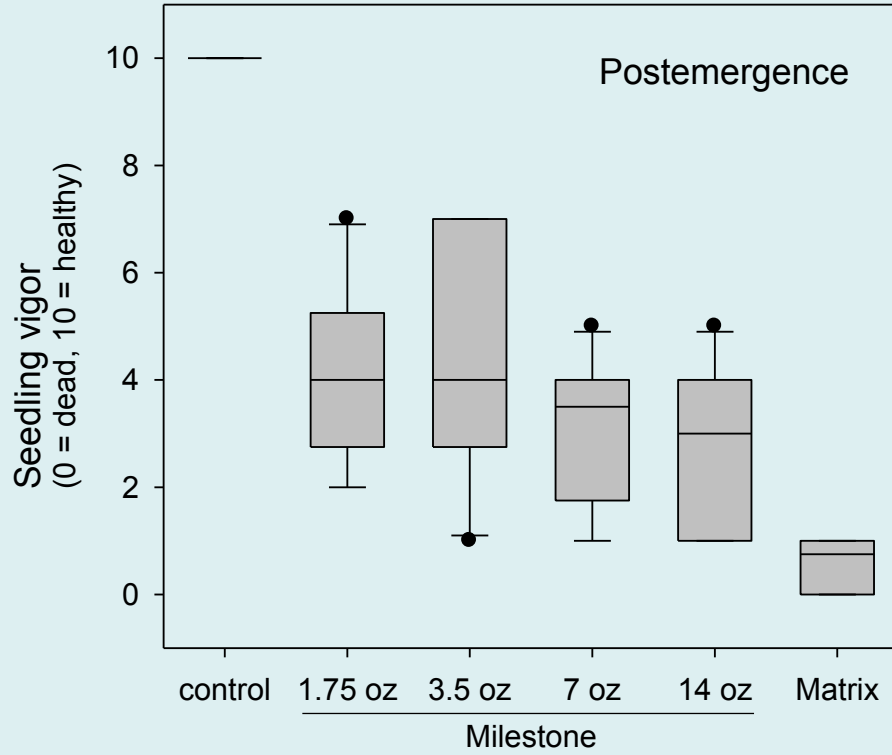
Preemergence –  
3.5 oz *Milestone*

Preemergence –  
7 oz *Milestone*



Preemergence –  
14 oz *Milestone*







Medusa / Milestone Red Bluff

Medusa / Milestone SFREC

Medusa / Milestone Winters

El Centro Blvd

Via Fazio Hwy

Lincoln Hwy

101

505

5 80

50

395

Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
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Data LDEO-Columbia, NSF, NOAA

lat 39.103037° lon -121.803827° elev 127 m



Google earth

Eye alt 323.96 km

# Preemergence treatments

late September to early October 2009

Herbicide	Active ingredient	Rates (oz / acre)
Milestone	aminopyralid (2 lb/gal)	0, 3, 5, 7, 14
Matrix	rimsulfuron (25%)	1, 2
Plateau	imazapic (2 lb/gal)	8

Plots 10 ft by 30 ft

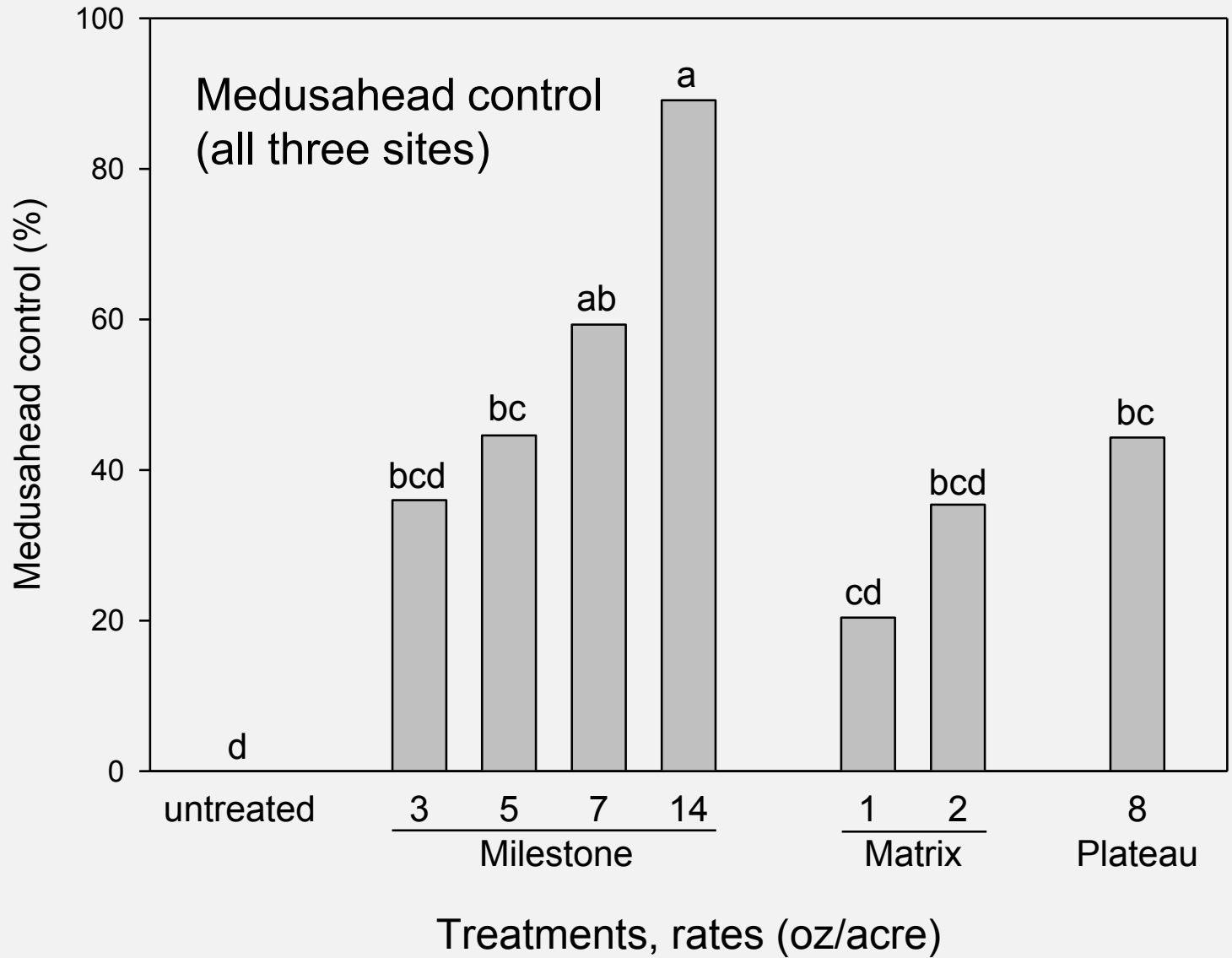
Treatments in four replications X three sites

CO<sub>2</sub> backpack sprayer, 10-ft boom with six  
8002 nozzles, 20 gpa

# Evaluations

<b>Data collected</b>	<b>Sampling units per plot</b>	<b>Timing</b>
Vegetative cover	Three 1-m <sup>2</sup> quadrats	Late May 2010
Biomass	Three 0.25-m <sup>2</sup> quadrats	Late May 2010
Medusahead seedheads for viability	10 heads → 50 seeds	Mid-June 2010



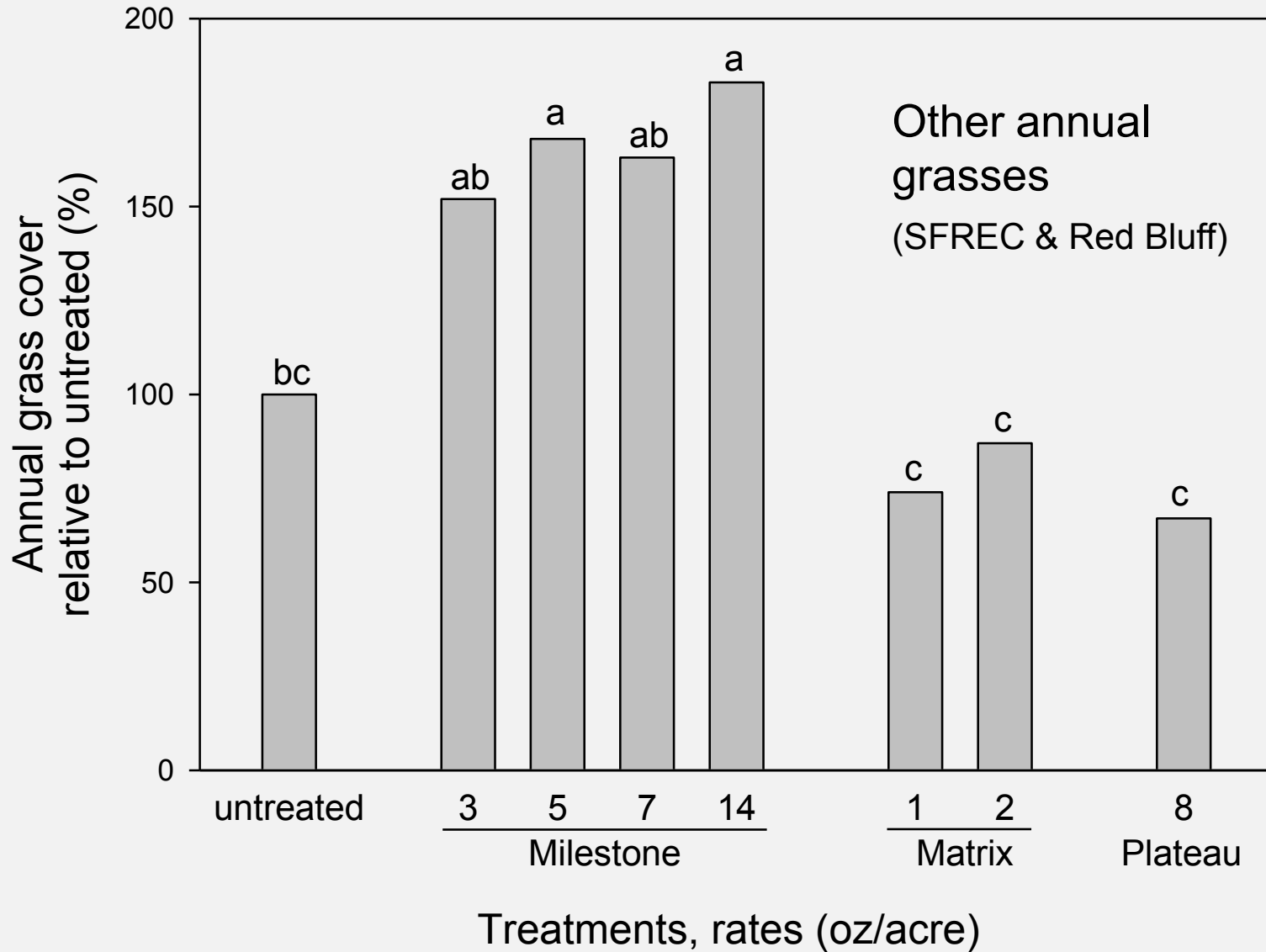




















2011 to 2012 – Red Bluff

14 oz *Milestone* in October – 80% control

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Split application (7 oz Oct, 7 oz Jan)

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14 oz *Milestone* in October – 80% control

Split application (7 oz Oct, 7 oz Jan) – 97% control

**Maximum Application Rate:** On all labeled use sites do not broadcast apply more than 7 fl oz per acre of *Milestone* per year. ... Spot treatments may be applied at an equivalent broadcast rate of up to 14 fl oz per acre per annual growing season; however, not more than 50% of an acre may be treated at that rate.



Large-scale test

14 oz/acre

*Milestone*

near Red Bluff



# Acknowledgements

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Red Bluff: thanks to the Gallatin Ranch.

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