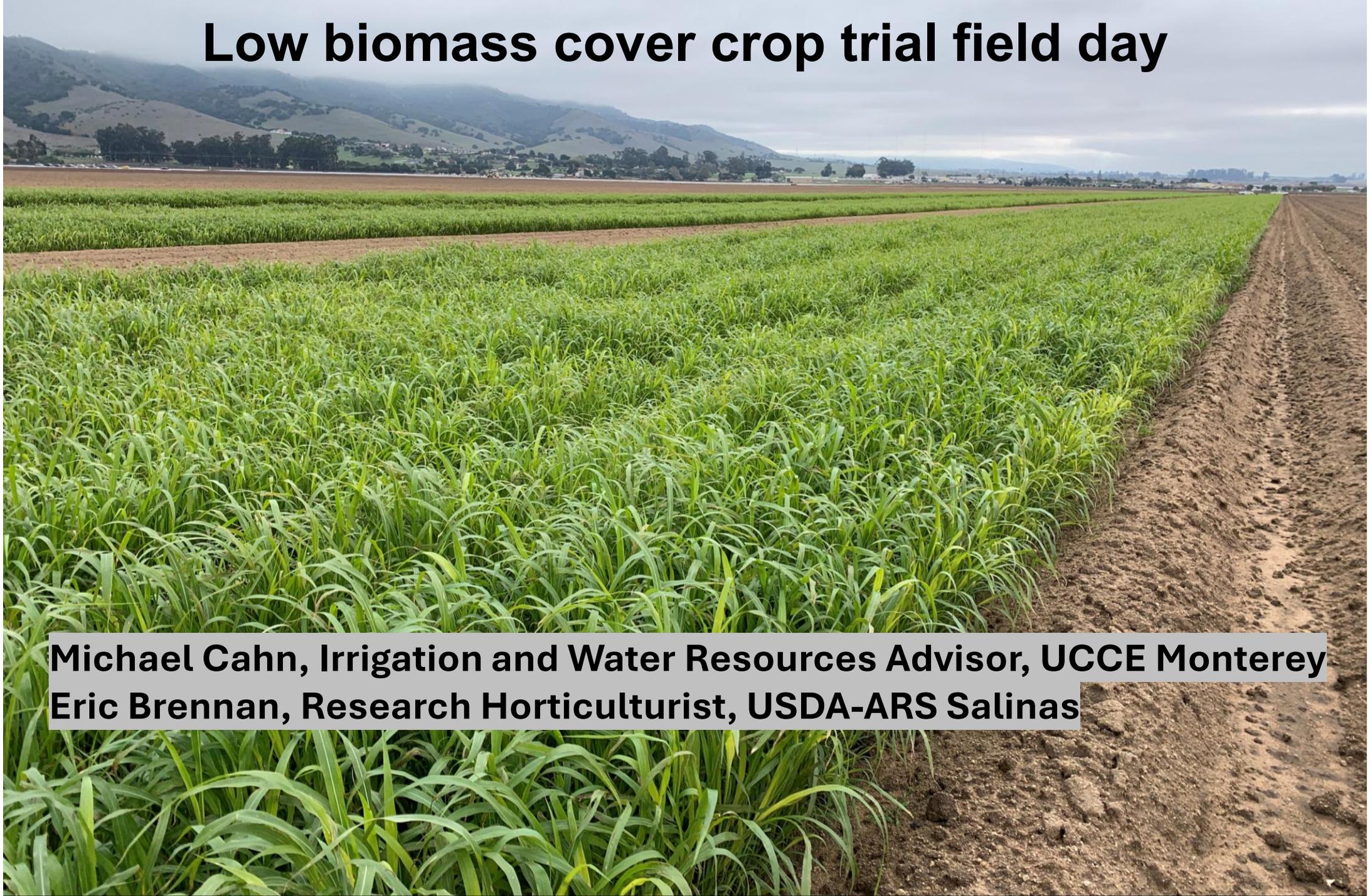


Low biomass cover crop trial field day

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Cover crop trial background information and cultural practices

Grower	D'Arrigo Bro.
Location	Ranch 22, Block 4
bed width	40-inches
soil	Gorgonio sandy loam
Previous Crop	Romaine hearts
Planting date	9/23/2025

Trial background information and cultural practices (continued)

trial treatments	sudangrass (<i>cv.</i> Piper), bare fallow
replications	3
seeding rate	88 lbs/ac
plot size	1.0 acre
field length	1665 ft

Trial background information and cultural practices (continued)

1st sprinkler date	9/26/2025
total germination water	2.3 inches
total rain during germination	1 inch
maestro/shark	10/22/2026
flail mowing	12/19/2025
Lilliston bare plots	12/22/2025
roundup herbicide by drone	1/16/2026

Before and after herbicide application

Oct 21



Oct 30



Nov 12



Nov 24



Sudangrass biomass

date	DAP	aboveground biomass	
		fresh	dry
		----- <u>tons/ac</u> -----	
11/7/2025	45	2.2	0.34
11/24/2025	62	4.1	0.56
12/16/2025	84	5.8	0.85

DAP = days after planting

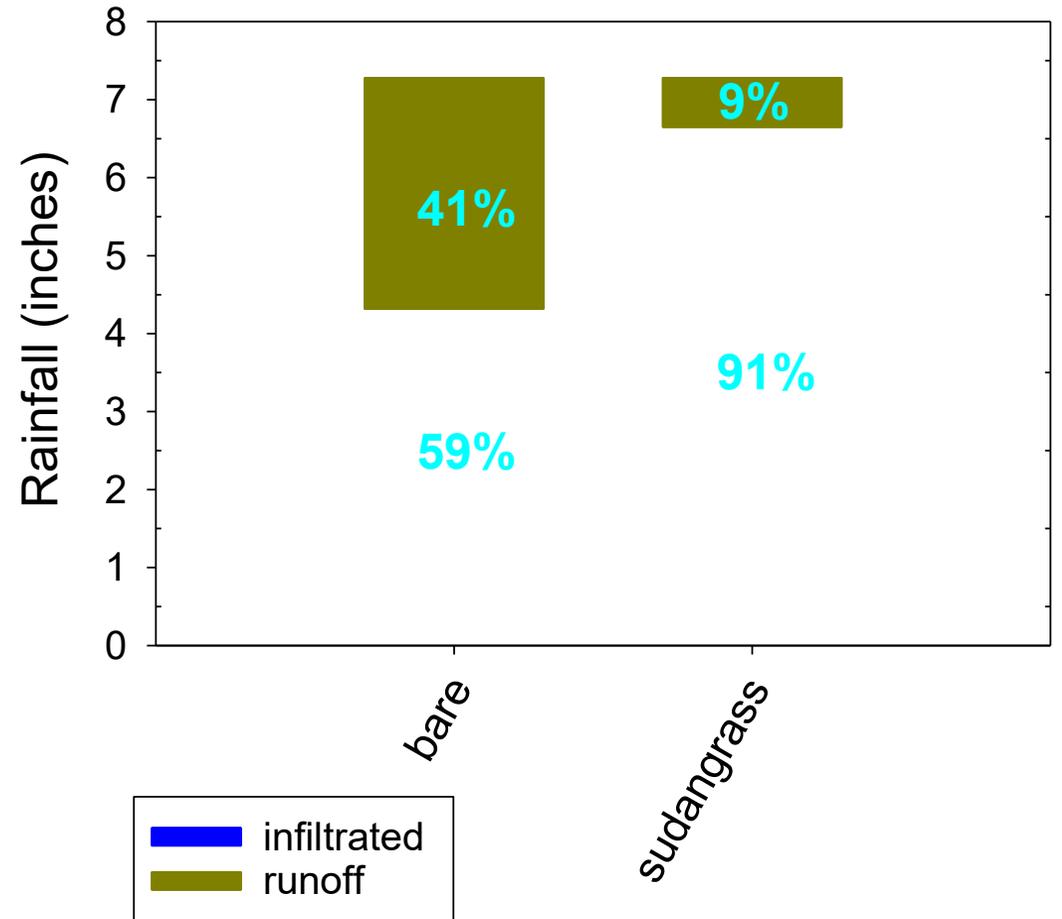
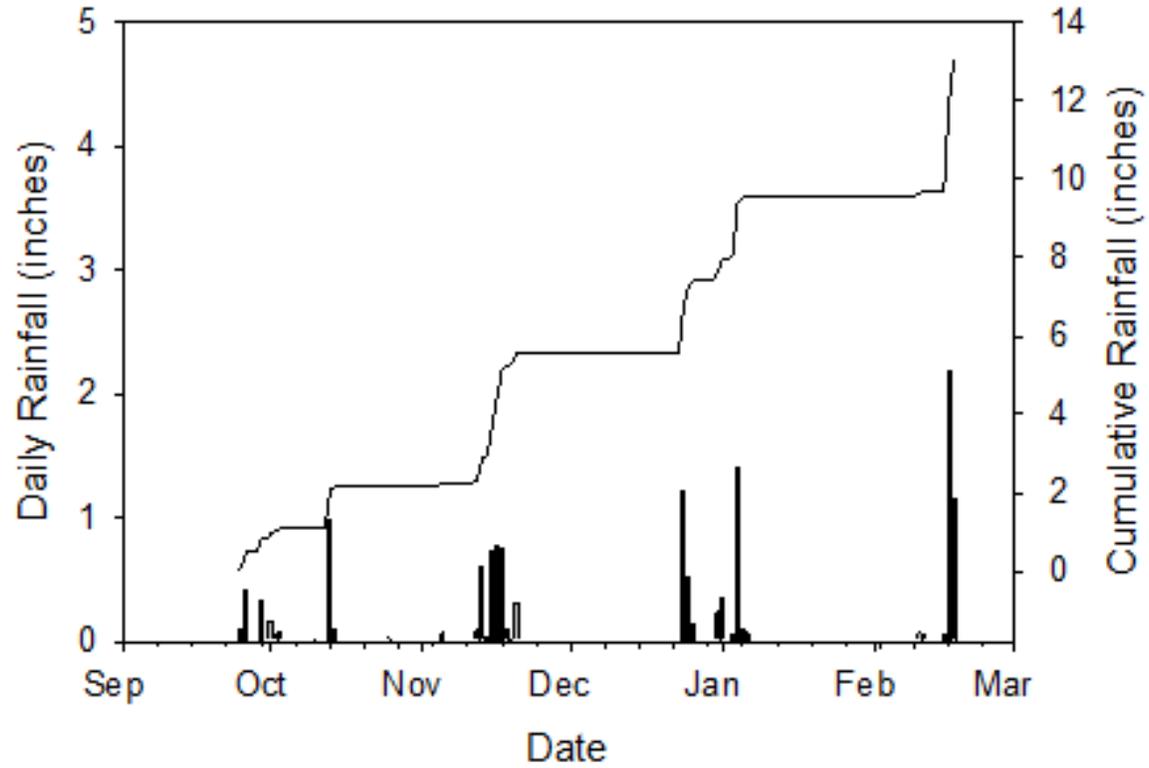
Dec 19



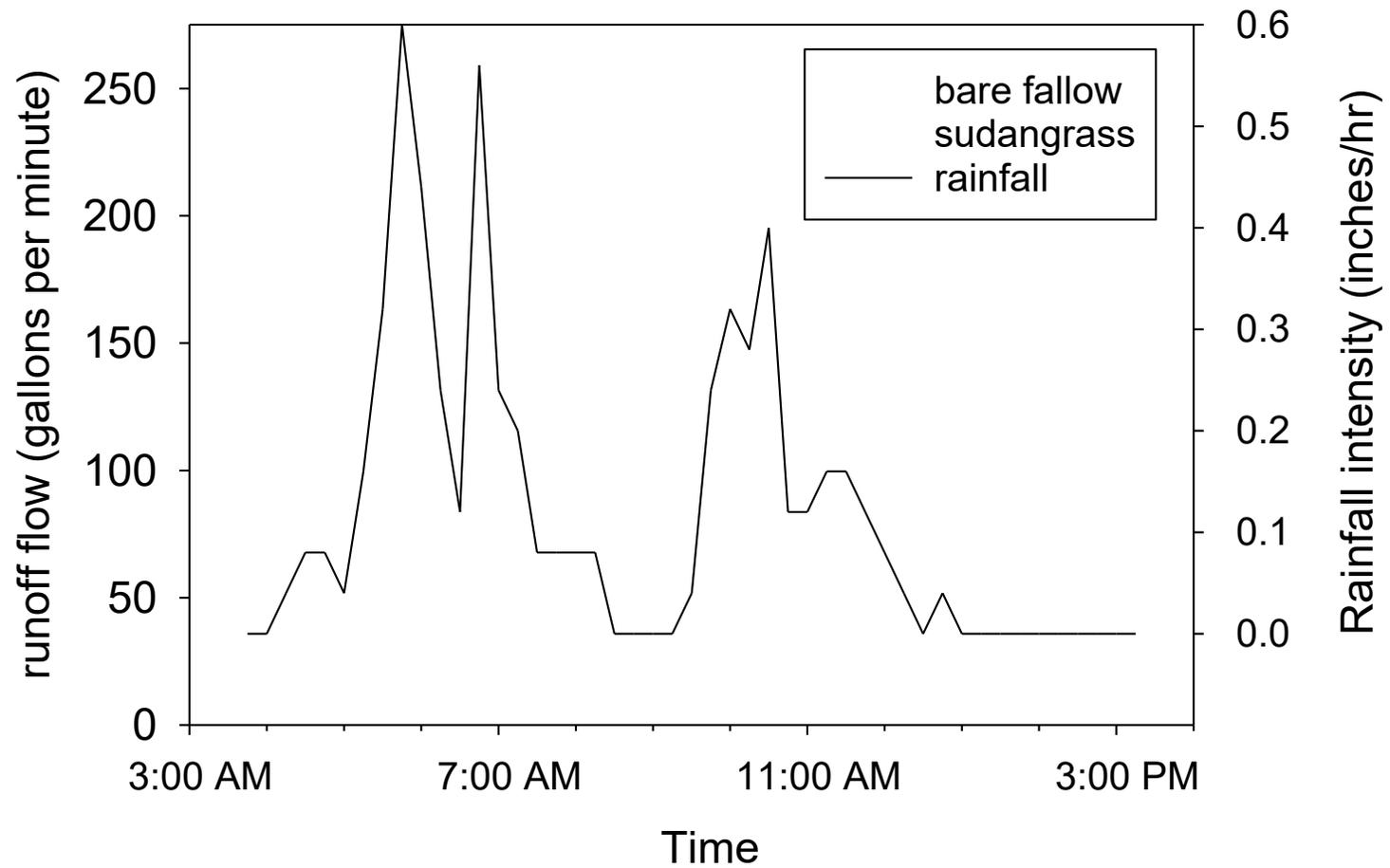
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Rainfall and Runoff Volumes



Runoff from cover crop treatments (Jan 4)





Composite runoff samples from January 2nd storm



Runoff summary for cover crop treatments (preliminary analysis)

Treatment	runoff volume	Total Suspended Solids	Soil loss
	inches	mg/L	lbs/acre
Bare fallow	2.96	3813	2555
Sudangrass	0.63	249	36
reduction (%)	79	93	99