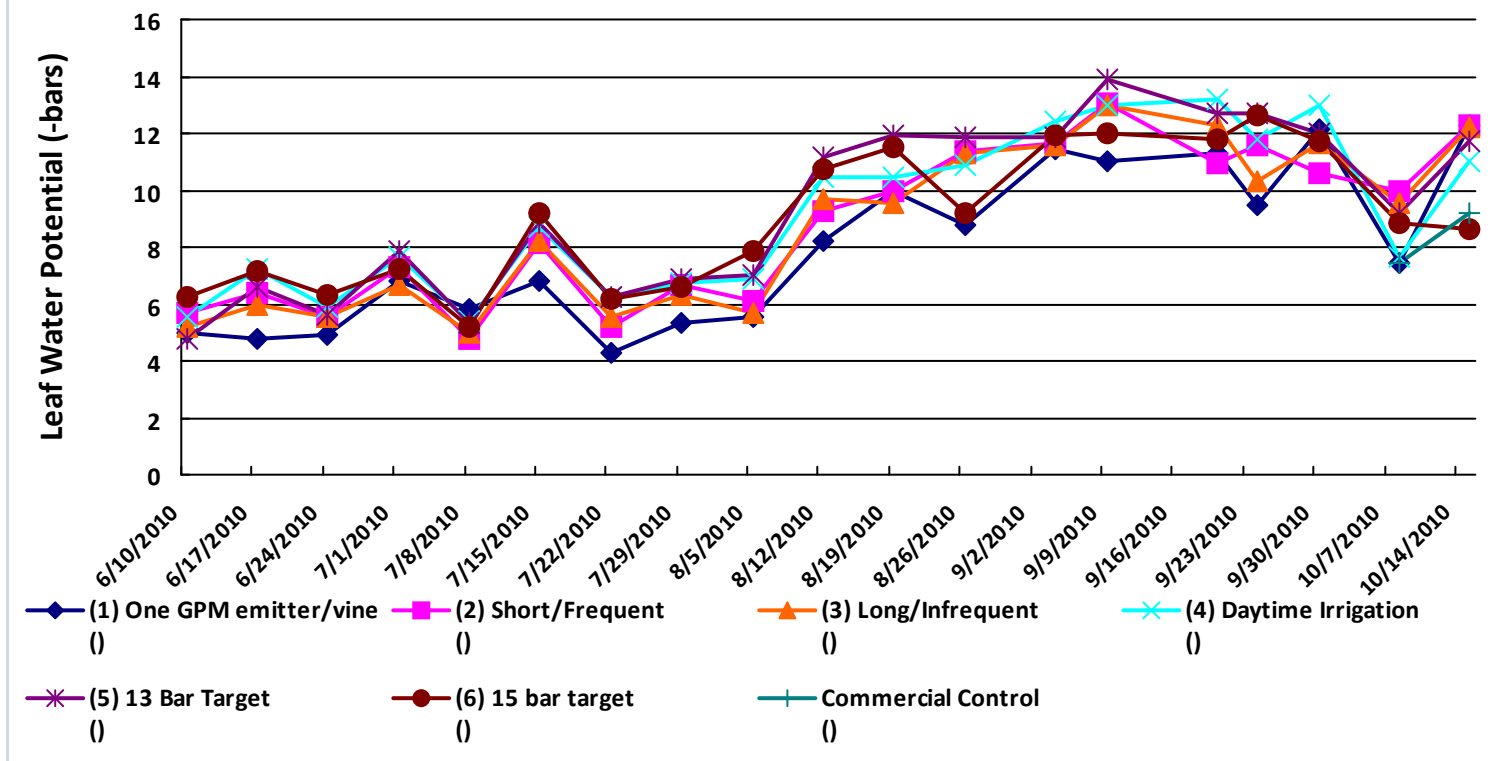


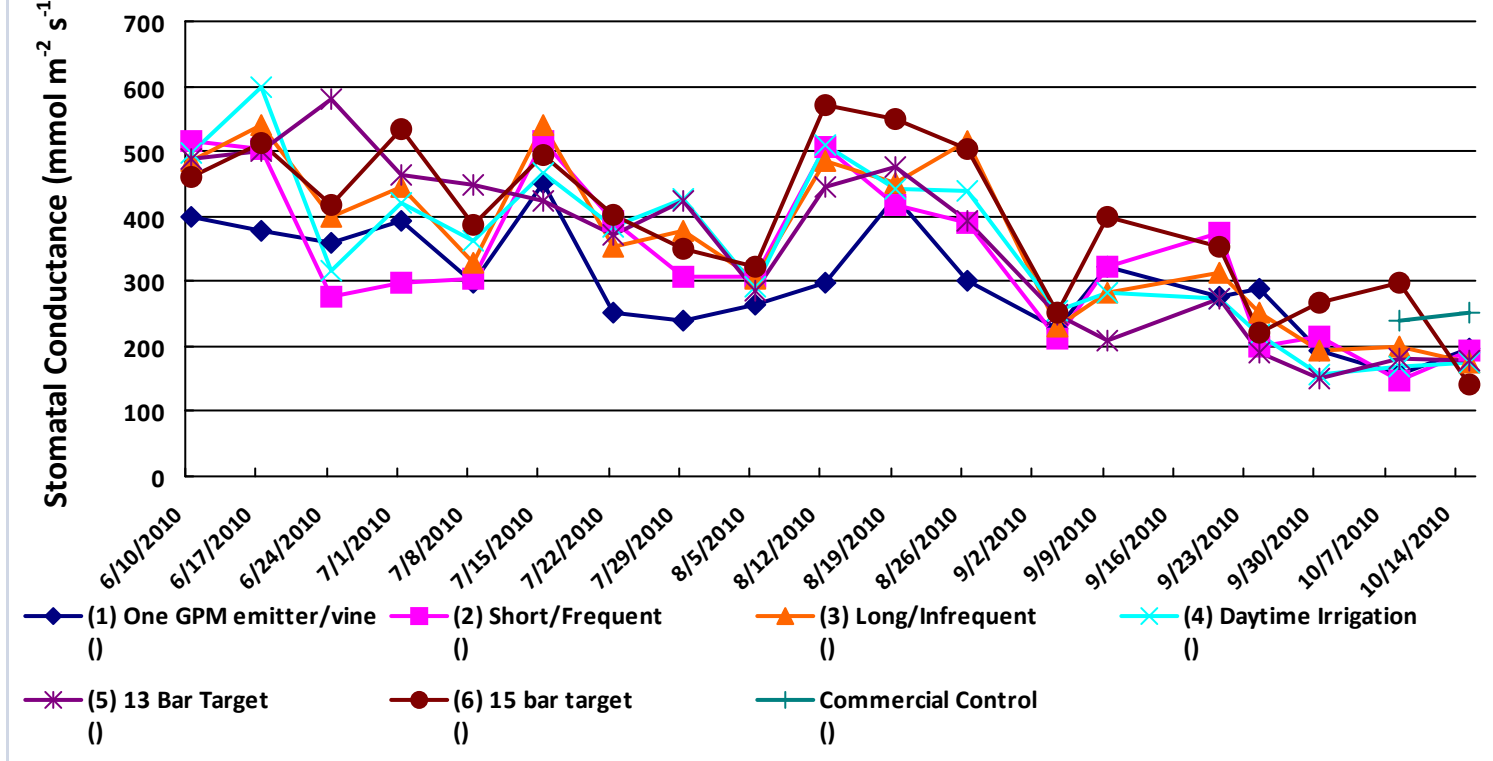


SCWA Demo at Hoot Owl

Leaf Water Potential



Stomatal Conductance



MEASURED VINE WATER STATUS



ADVANCED VITICULTURE, LLC WWW.ADVANCEDVIT.COM 707.838.3805

Vineyard	Block	Sub Block	Variety	Date	Gs	LWP
SCWA Demo at Hoot O						
(1) One GPM emitter/vine ()		Cabernet sauvignon				
				6/10/2010	398	-5.0
				6/17/2010	378	-4.8
				6/24/2010	358	-4.9
				7/1/2010	392	-6.8
				7/8/2010	296	-5.8
				7/15/2010	450	-6.8
				7/22/2010	252	-4.3
				7/29/2010	238	-5.4
				8/5/2010	265	-5.5
				8/12/2010	299	-8.2
				8/19/2010	429	-9.9
				8/26/2010	301	-8.7
				9/4/2010	228	-11.4
				9/9/2010	322	-11.0
				9/20/2010	277	-11.3
				9/24/2010	289	-9.5
				9/30/2010	193	-12.2
				10/8/2010	156	-7.5
				10/15/2010	196	-12.3
(2) Short/Frequent ()		Cabernet sauvignon				
				6/10/2010	515	-5.7
				6/17/2010	505	-6.4
				6/24/2010	275	-5.6
				7/1/2010	299	-7.3
				7/8/2010	305	-4.8
				7/15/2010	516	-8.2
				7/22/2010	394	-5.2
				7/29/2010	307	-6.6
				8/5/2010	308	-6.1
				8/12/2010	507	-9.3
				8/19/2010	419	-10.0
				8/26/2010	390	-11.4
				9/4/2010	212	-11.6
				9/9/2010	323	-13.1
				9/20/2010	375	-11.0
				9/24/2010	201	-11.6
				9/30/2010	214	-10.6
				10/8/2010	147	-10.0
				10/15/2010	194	-12.3

Gs is stomatal (leaf pore) conductance and its units are $\text{mmol m}^{-2} \text{s}^{-1}$. LWP is leaf water potential (water column tension) and its units are bars. Green numbers indicate potentially luxurious moisture levels, while yellow indicates pending stress and red indicates stressed levels.

MEASURED VINE WATER STATUS

ADVANCED VITICULTURE, LLC WWW.ADVANCEDVIT.COM 707.838.3805



Vineyard	Block	Sub Block	Variety	Date	Gs	LWP
(3) Long/Infrequent ()		Cabernet sauvignon				
				6/10/2010	485	-5.2
				6/17/2010	539	-6.0
				6/24/2010	400	-5.6
				7/1/2010	446	-6.7
				7/8/2010	330	-5.0
				7/15/2010	541	-8.2
				7/22/2010	353	-5.6
				7/29/2010	378	-6.3
				8/5/2010	303	-5.7
				8/12/2010	484	-9.7
				8/19/2010	452	-9.6
				8/26/2010	515	-11.3
				9/4/2010	231	-11.6
				9/9/2010	283	-13.0
				9/20/2010	315	-12.3
				9/24/2010	253	-10.3
				9/30/2010	193	-11.6
				10/8/2010	199	-9.5
				10/15/2010	176	-12.2
(4) Daytime Irrigation ()		Cabernet sauvignon				
				6/10/2010	497	-5.5
				6/17/2010	598	-7.2
				6/24/2010	315	-5.9
				7/1/2010	421	-7.6
				7/8/2010	363	-5.4
				7/15/2010	468	-8.7
				7/22/2010	385	-6.2
				7/29/2010	426	-6.7
				8/5/2010	291	-6.9
				8/12/2010	509	-10.5
				8/19/2010	441	-10.5
				8/26/2010	438	-10.9
				9/4/2010	254	-12.5
				9/9/2010	283	-13.0
				9/20/2010	273	-13.2
				9/24/2010	218	-11.8
				9/30/2010	157	-13.0
				10/8/2010	170	-7.6
				10/15/2010	174	-11.0

Gs is stomatal (leaf pore) conductance and its units are $\text{mmol m}^{-2} \text{s}^{-1}$. LWP is leaf water potential (water column tension) and its units are bars. Green numbers indicate potentially luxurious moisture levels, while yellow indicates pending stress and red indicates stressed levels.

MEASURED VINE WATER STATUS



ADVANCED VITICULTURE, LLC WWW.ADVANCEDVIT.COM 707.838.3805

Vineyard	Block	Sub Block	Variety	Date	Gs	LWP
(5) 13 Bar Target ()		Cabernet sauvignon				
				6/10/2010	489	-4.8
				6/17/2010	500	-6.6
				6/24/2010	580	-5.6
				7/1/2010	465	-7.8
				7/8/2010	447	-5.3
				7/15/2010	423	-8.8
				7/22/2010	371	-6.2
				7/29/2010	425	-6.8
				8/5/2010	286	-7.0
				8/12/2010	445	-11.1
				8/19/2010	476	-11.9
				8/26/2010	392	-11.8
				9/4/2010	250	-11.9
				9/9/2010	209	-13.9
				9/20/2010	275	-12.7
				9/24/2010	192	-12.7
				9/30/2010	151	-12.0
				10/8/2010	182	-9.2
				10/15/2010	177	-11.7
(6) 15 bar target ()		Cabernet sauvignon				
				6/10/2010	459	-6.3
				6/17/2010	513	-7.2
				6/24/2010	418	-6.3
				7/1/2010	534	-7.3
				7/8/2010	387	-5.2
				7/15/2010	495	-9.2
				7/22/2010	403	-6.2
				7/29/2010	349	-6.6
				8/5/2010	321	-7.9
				8/12/2010	570	-10.7
				8/19/2010	550	-11.5
				8/26/2010	504	-9.2
				9/4/2010	251	-11.9
				9/9/2010	398	-12.0
				9/20/2010	352	-11.8
				9/24/2010	221	-12.6
				9/30/2010	267	-11.7
				10/8/2010	299	-8.9
				10/15/2010	140	-8.6
Commercial Control ()		Cabernet sauvignon				
				10/8/2010	240	-7.4
				10/15/2010	251	-9.2

Gs is stomatal (leaf pore) conductance and its units are $\text{mmol m}^{-2} \text{s}^{-1}$. LWP is leaf water potential (water column tension) and its units are bars. Green numbers indicate potentially luxurious moisture levels, while yellow indicates pending stress and red indicates stressed levels.