





















			E	Block S	umma	aries				
SM	= Estimat P = Estimat	ed Soil Mo ated Leaf \	isture % Vater Poter	ntial (bars)	Vine Kc, Kcc = Vine, Cover Crop crop coefficient LWP Warning Colors: > 14 red,10 - 14 yellow					
500	September 13, 2013 - September 19, 2					Last irrg = Date of Last irrigation 013 Sentember 20, 2013 - Sentember 26, 2013 - forecast				
Pine Ck	Mean	Sum	Date	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Block	SM %	gal/vine	Lst Irrig	LWP, bars	SW Def	SM %	SW Def	LWP, bars	Vine Kc	Kcc
PC830	5.96	0.00	08-23	15.41	1.30	5.59	1.46	16.72	0.64	0.00
PC831A	7.28	7.20	08-23	11.93	0.75	6.52	1.08	13.79	0.71	0.00
PC831B	7.58	11.38	08-23	11.78	0.75	6.85	1.07	13.42	0.66	0.00
PC832	6.63	14.50	08-23	13.42	1.02	6.05	1.27	15.16	0.71	0.00
PC833	8.80	0.00	08-23	9.48	0.15	7.93	0.51	10.84	0.57	0.00
PC834	10.80	0.00	08-23	9.49	0.21	9.88	0.59	10.53	0.63	0.00
PC835	12.14	0.00	08-23	9.04	0.02	11.15	0.43	9.95	0.63	0.00
PC836	5.89	11.00	08-23	16.13	1.45	5.49	1.62	17.61	0.73	0.00
PC837	7.19	22.29	08-23	13.31	1.13	6.60	1.38	14.85	0.71	0.00
	0.00	21.54	08-23	13.35	1.07	6.34	1 3 2	14 94	0.68	0.00







Water

Budget

Issues.....

Input Data •Satellite imagery – Clouds •Weather – Extrapolation from station to block •Soils – County-wide surveys vs. Block-scale •Irrigation Data – Quality, Timeliness •Rooting Depth – time-consuming to measure

Model •Simple, single canopy and soil layer •Estimating LWP from Soil Moisture

But.... Still useful? Relative vs. Absolute Values?

VSIM/TOPS combines several different datasets that influence vine water needs in order to assist growers in ...

Irrigating to vine water needs
Responding to annual weather variations
Comparing, Evaluating irrigation schedules





