

Western Cape Government Agriculture

## The FruitLook website: promoting increased water use efficiency in irrigation

A S Roux Pr Eng Sustainable Resource Management Elsenburg 29 August 2013

























8 parameters Change over time Change in space		Fruitlook.co.za Parameter maps (weekly updated): • Actual evapotranspiration • Evapotranspiration deficit • Crop factor • Biomass production • Biomass water use efficiency • Leaf Area Index • Nitrogen content (plant) • Nitrogen content (top leaf) Forecasts: • Soil moisture content
Param	heter data is created without any inpu	t from the farmer!



































Table 2. Summary o available energy)	of SEBAL-I in grapes ar	oased estimates of e id comparisons to fiel	vaporative fi d measureme	action (lat	ent heat/ne
Grane type	Location	Date	Evanorative fraction		
and the			Measured	SEBAL	Difference (SEBAL- measured (%)
Rainfed wine grape	Spain	12 June 1991	0.25	0.32	24.6
Rainfed wine grape	Spain	29 June 1991	0.27	0.26	-3.8
Irrigated wine grape	Brazil	9 August 1998	0.81	0.84	3.6
Inigated wine grape	Brazil	24 November 1999	0.82	0.80	-2.5
Inigated table grape	Turkey	26 June 1998	0.52	0.48	-8.0
Irrigated table grape	Turkey	29 August 1998	0.77	0.73	-5.3
mignied more grupe			0.57	11 57	0.0











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