

Measure to Monitor

(a sub-project of Smarter Irrigation in SA)
South East, South Australia

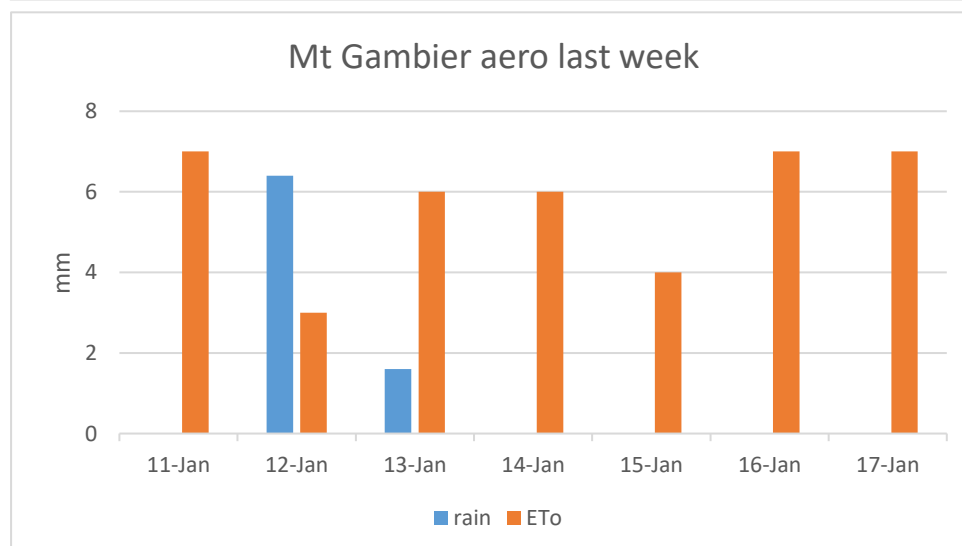
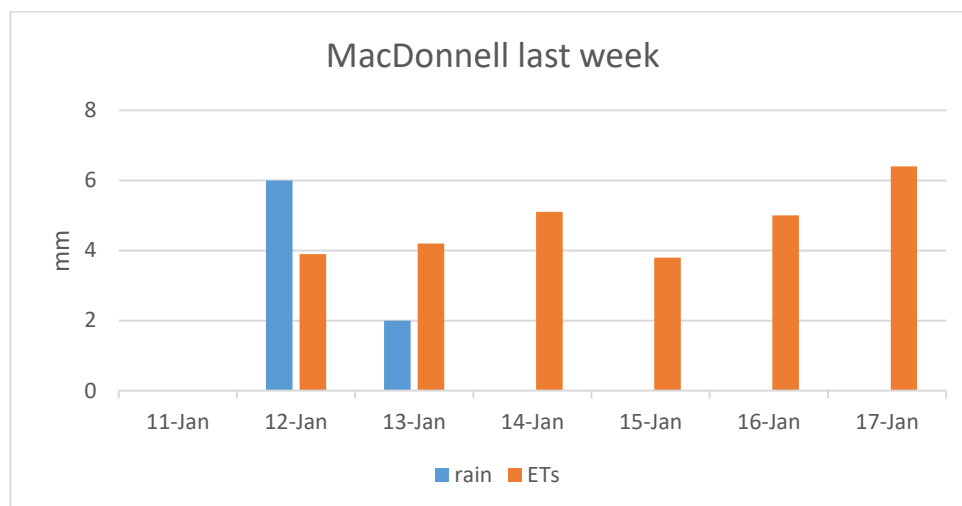
A weekly review of irrigation sensor and pasture growth data to improve irrigation scheduling throughout the year.

18 January 2018

Brought to you by DairySA

Previous 7 days ~ average Evapotranspiration & Rainfall

	ETo's (mm/day)	Rainfall (mm)
MacDonnell	4.1	8
Mt Gambier aero	5.7	8



Again a pretty dry week, with some rain last Friday, more even Eto for the week.

What are the irrigation sensors telling us:

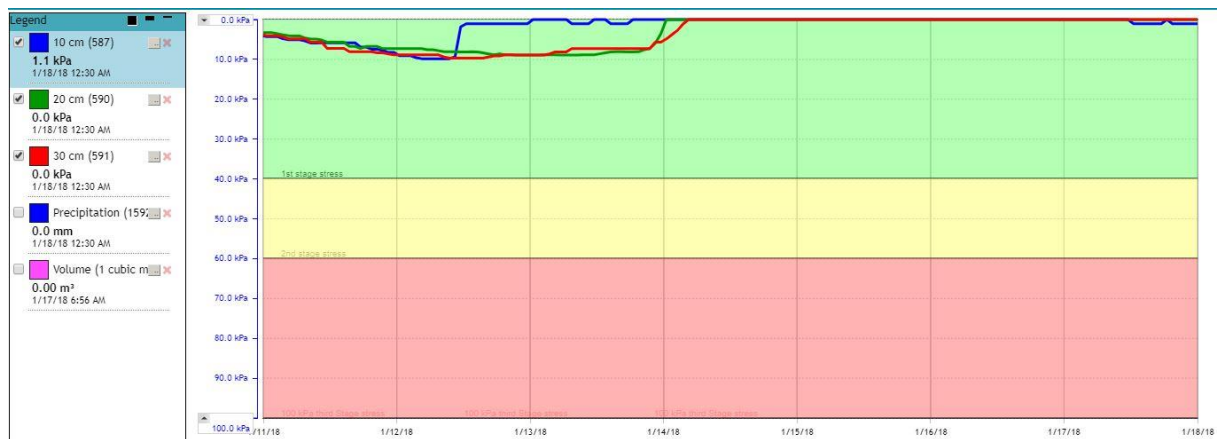
Allendale East:

Sensors are tracking nicely - all within the desired moisture range.



Mt Schank

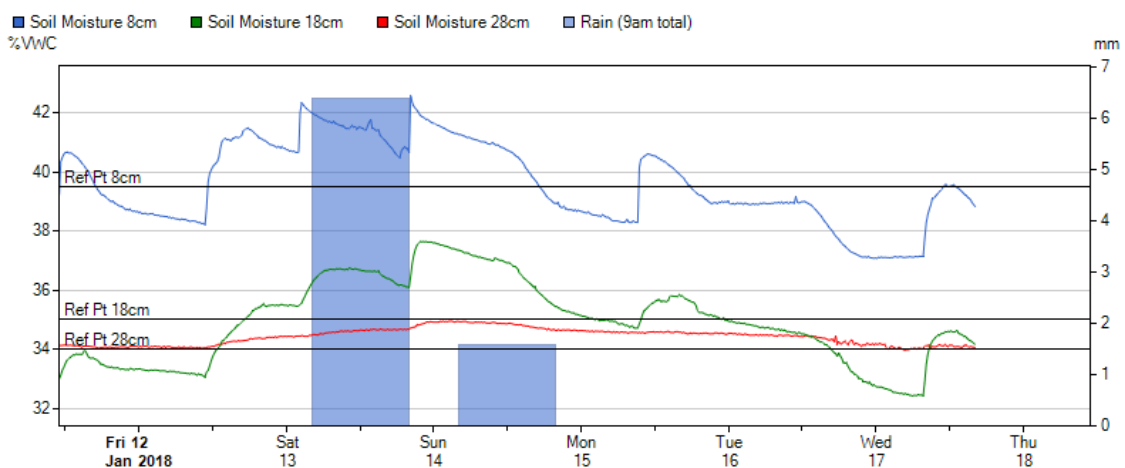
The sensors are tracking similarly to last week.



Eight Mile Creek (pivot 6)

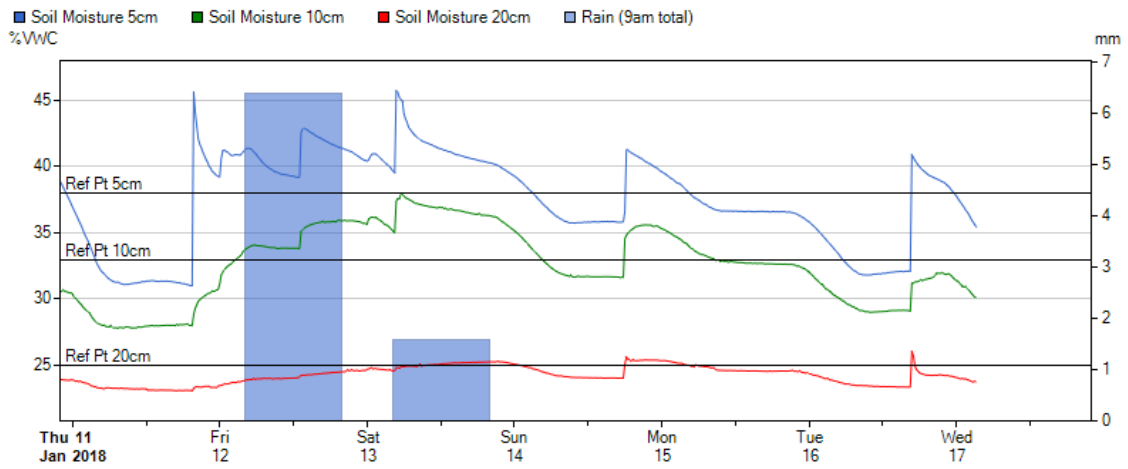
Dry Area

Data looks good, irrigation water is not getting past the root zone. The Pivot stopped on Monday night so the dry and normal area skipped an irrigation. Hence the drying down on the graph.



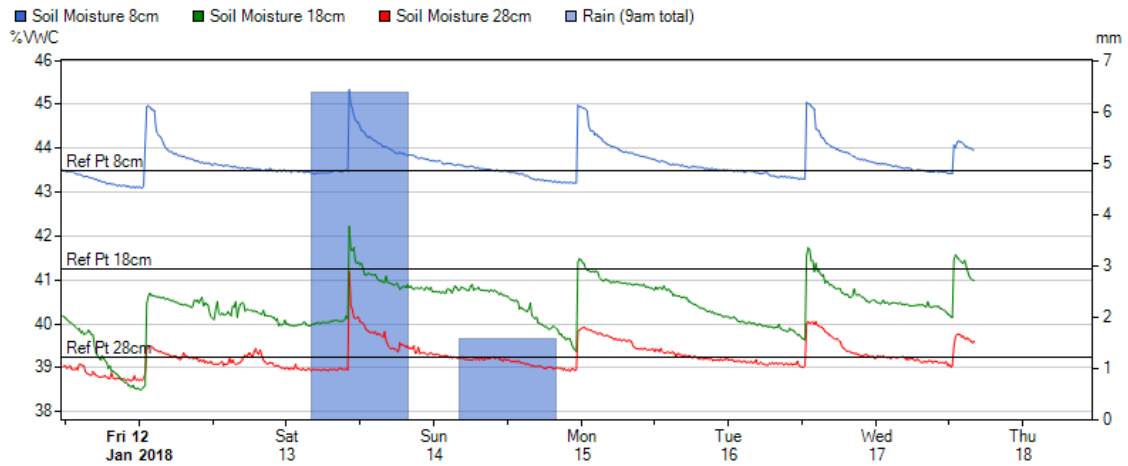
Normal Area

Sensors are reading OK, producing smooth lines of soil moisture. Slight drying due to the pivot stopping on Monday night



Wet Area

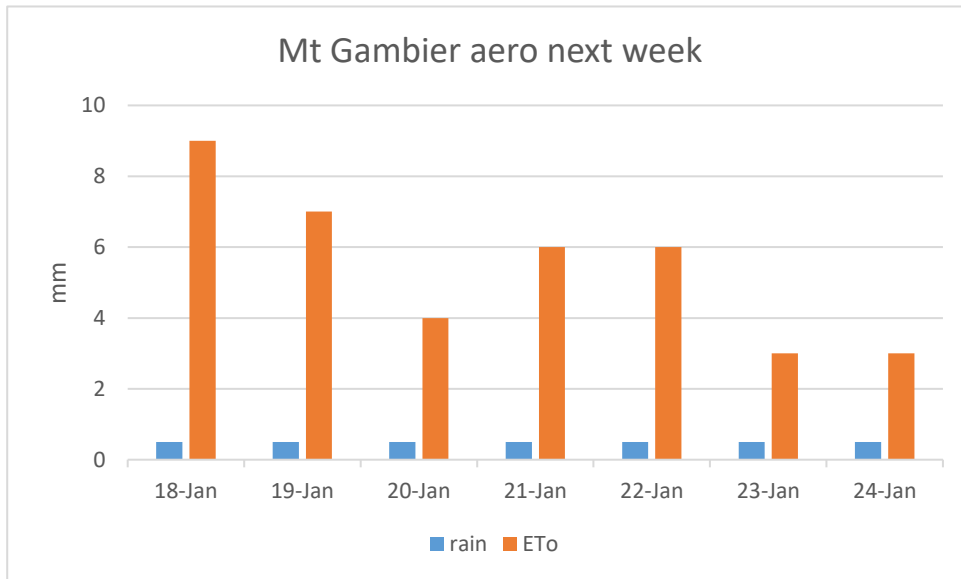
Continue to track the same as last week.



Next 7 days ~ average Evapotranspiration & Rainfall

	ETo (mm/day)	Rainfall (mm)
Mt Gambier aero	5.4	3.5

Traces of rain predicted for the week. Highest temperature today at predicted to be 41°. Predicted ET falling from 9mm today to around 3 – 4 mm next Tuesday/ Wednesday.



Summary for the coming week

Hot today (max of 37°), low 20's for the next couple of days, then gradually rising to low 30's next Wednesday. Maximum ET of 7mm/day today, then reducing through the week. Light rain expected for the next few days.

Irrigators needed to have applied on average 32mm of irrigation water for last week

The predicted weekly pasture water use (ET minus rainfall) for the Mt Gambier area in the next week is 34.5mm

* These figures are approximate and do not take into account rainfall on farm*

The intention of this service is not for the information to be used in isolation when making decisions about irrigation scheduling. ETo provides a relatively objective estimate of plant water use and provides another handy 'tool in the irrigation scheduling tool box.' Information in this email is only a guide and should only be used in conjunction with other tools including updated weather information.

For improved accuracy, the collection and use of individual farm rainfall measurements is advised.

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