

Measure to Monitor

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

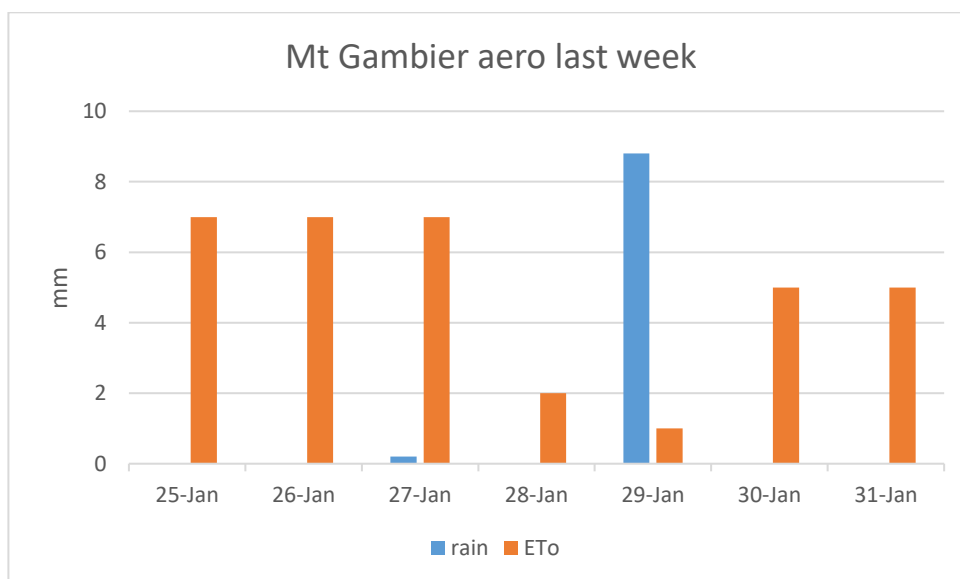
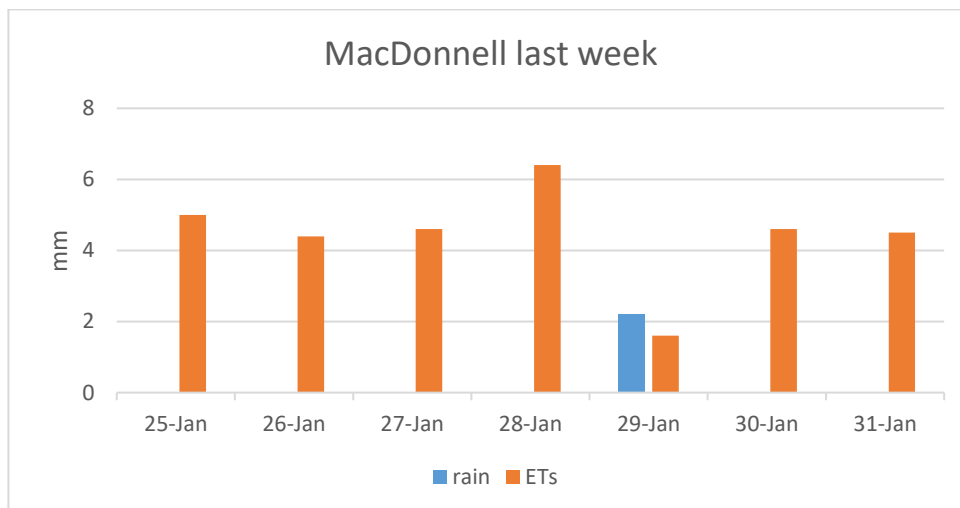
A weekly review of irrigation sensor and pasture growth data to improve irrigation scheduling throughout the year.

1st February 2018

Brought to you by DairySA

Previous 7 days ~ average Evapotranspiration & Rainfall

	ETo's (mm/day)	Rainfall (mm)
MacDonnell	4.4	2.2
Mt Gambier aero	4.9	9.0



A little rain last week. ETo highest leading into the weekend where Sunday was around 40 degrees, then consistent for the rest of the week. This gave the overall average of 4.9mm/day at Mt Gambier which was slightly higher than MacDonnell at 4.4mm/day.

What are the irrigation sensors telling us:

Allendale East:

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



Mt Schank

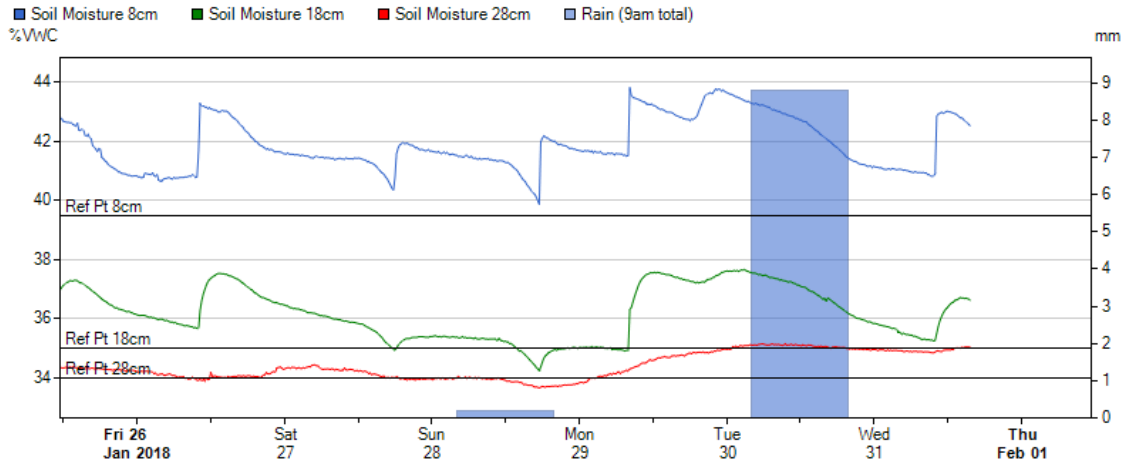
The sensors are tracking similarly to last week.



Eight Mile Creek (pivot 6)

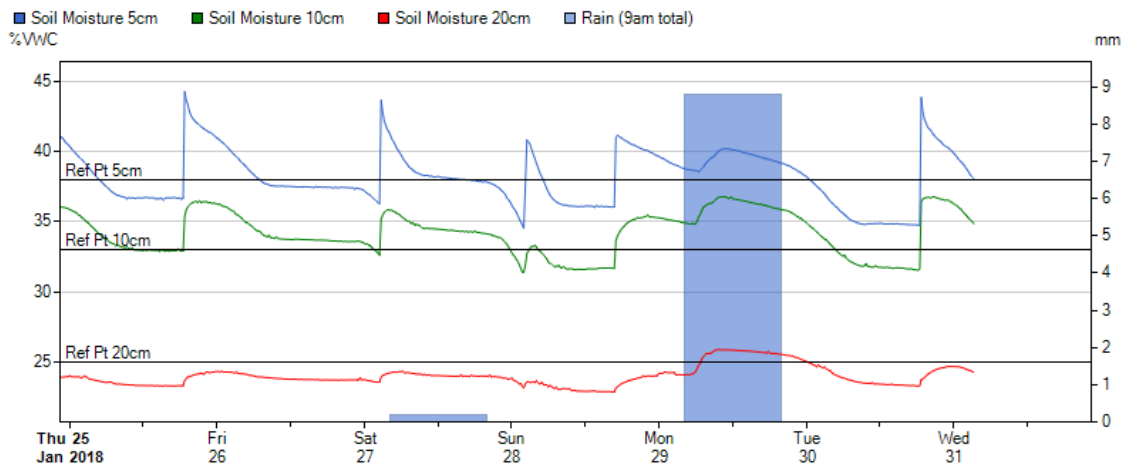
Dry Area

Data looks good. Soil has become wetter with the rainfall event assisting with this.



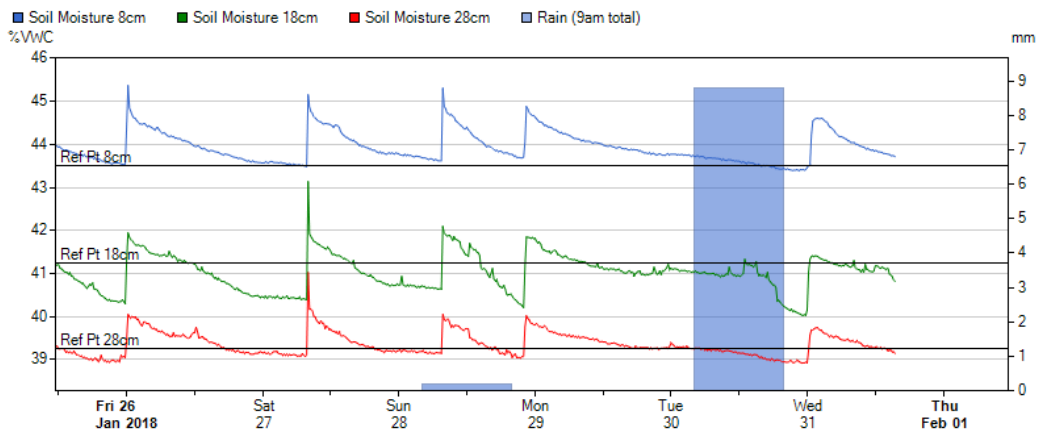
Normal Area

Similar trend to the Dry area, with the rainfall event assisting with recovery.



Wet Area

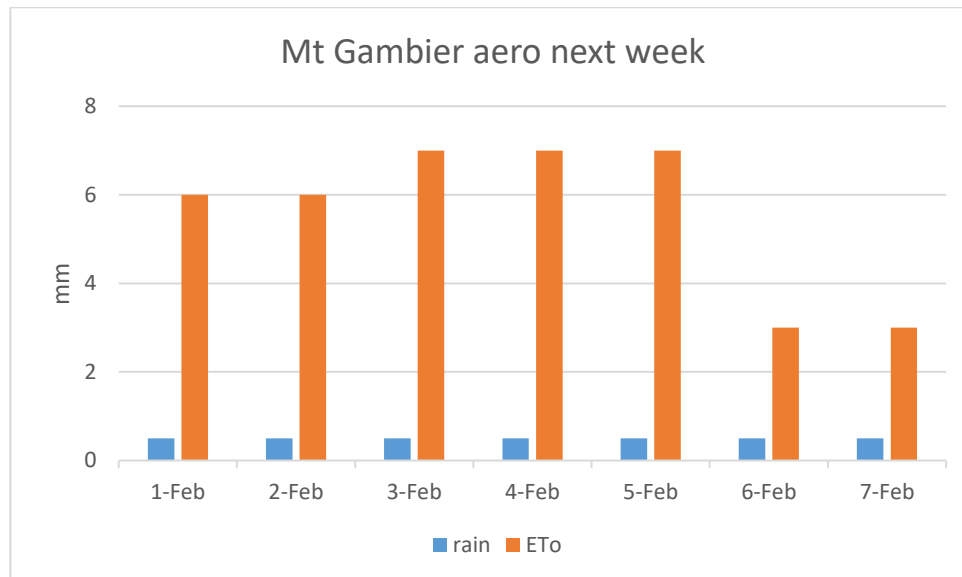
Tracking the same as last week.



Next 7 days ~ average Evapotranspiration & Rainfall

	ETo (mm/day)	Rainfall (mm)
Mt Gambier aero	5.6	3.5

Traces of rain predicted for the coming week. Temperatures climbing to a predicted 40° on Sunday, then low 20's. Predicted ET around 6mm/day, then a maximum of 8mm on Sunday and dropping back to 4mm/day.



Summary for the coming week

Temperatures to slowly rise again this week, but not to the extremes of last week, some traces of rain forecast for late next week.

Irrigators needed to have applied on average 34mm 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 39mm

* 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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