

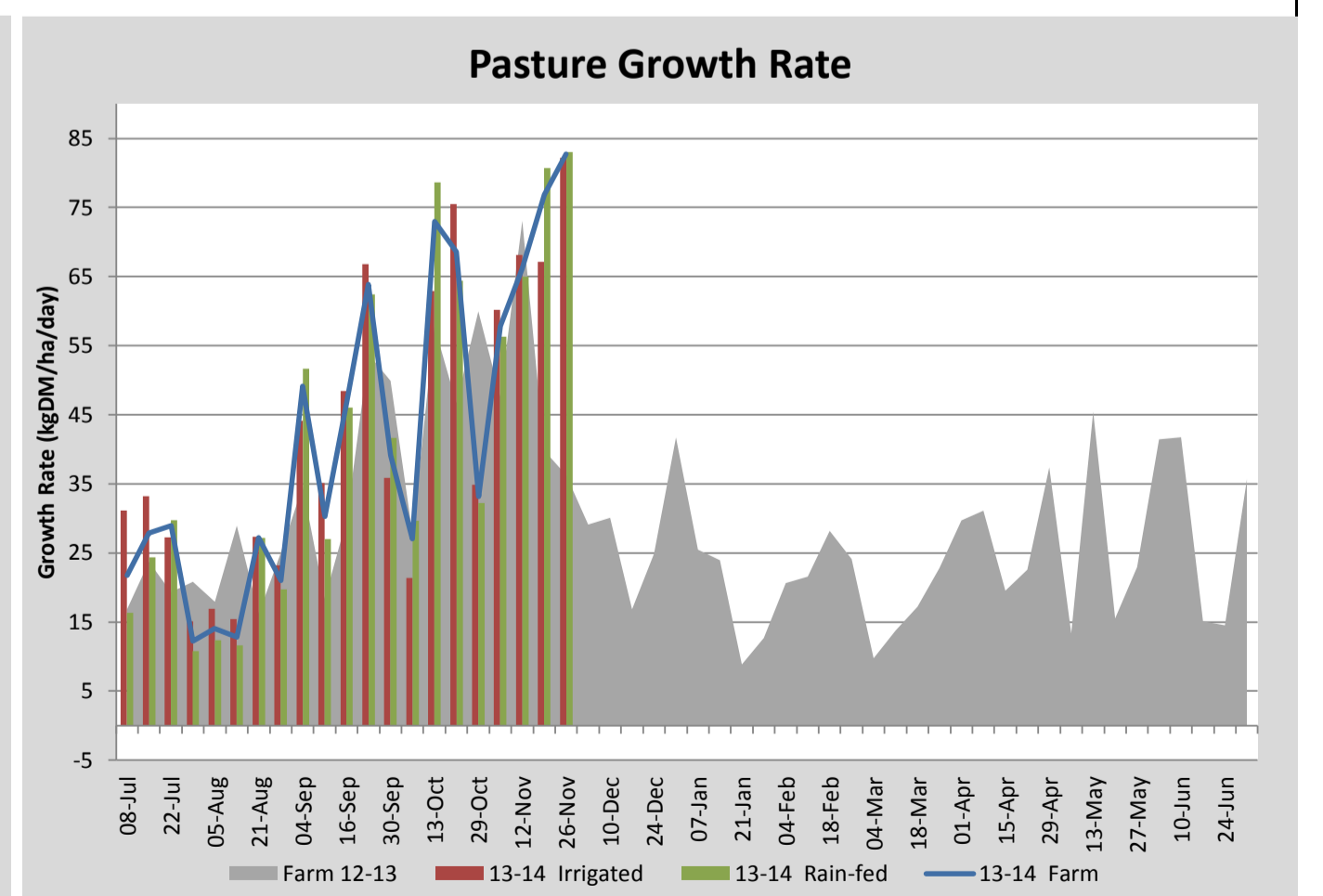
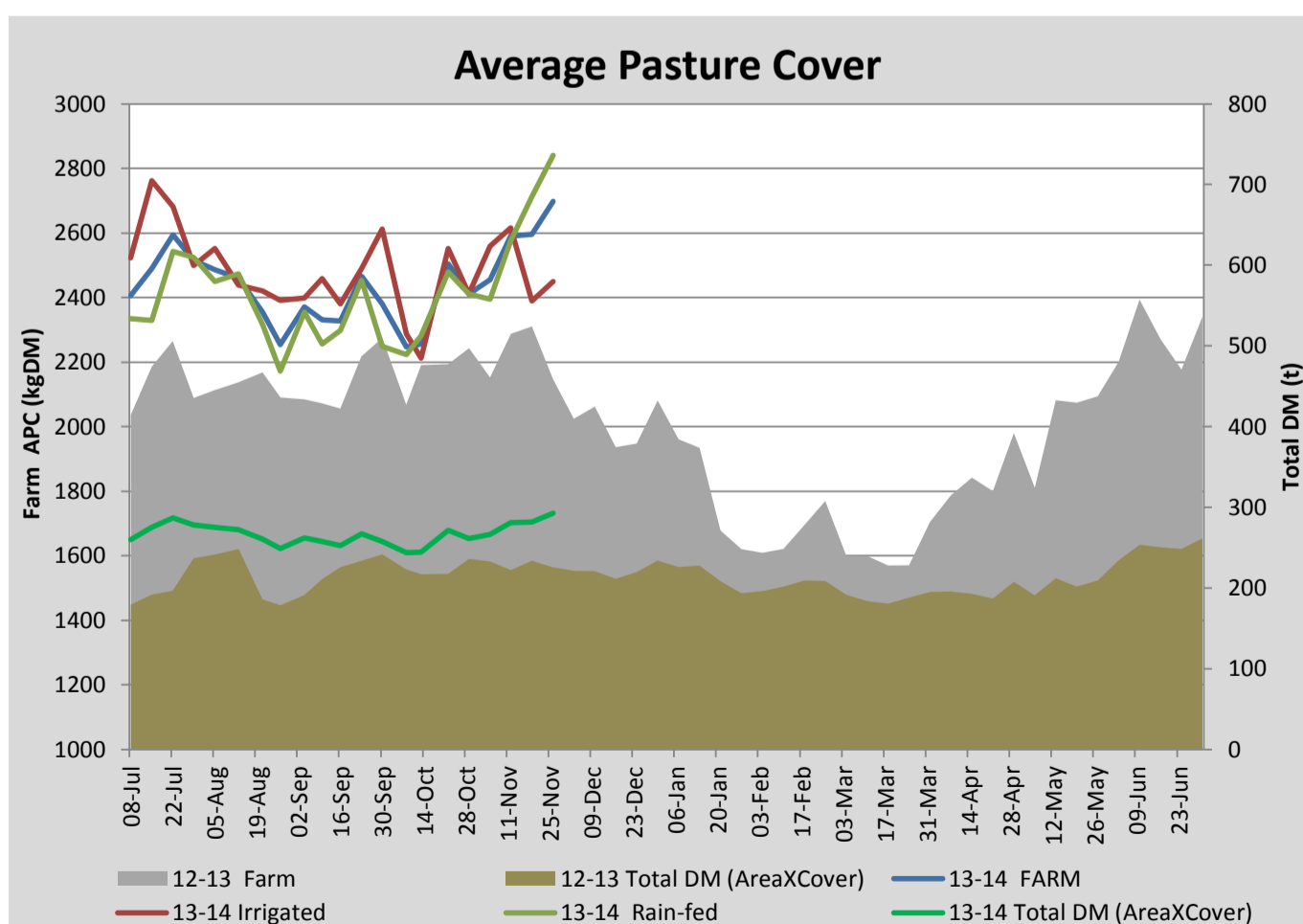
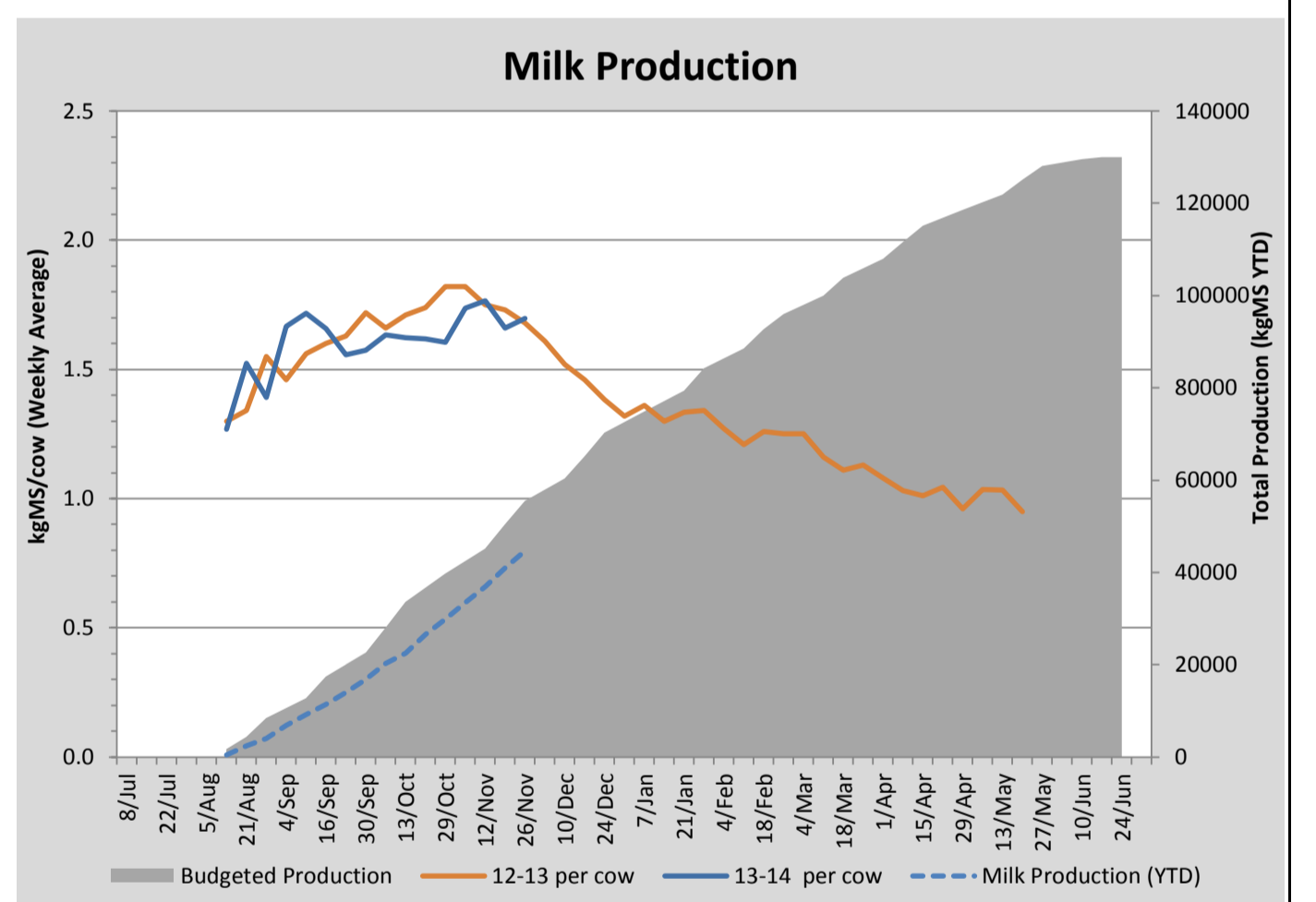
## Key Summary Points

- 1** Pasture growth rate is now exceeding 80 kg DM/ha/day.
- 2** Silage continues to be cut on the milking area.
- 3** Grazing residuals are now close to target.

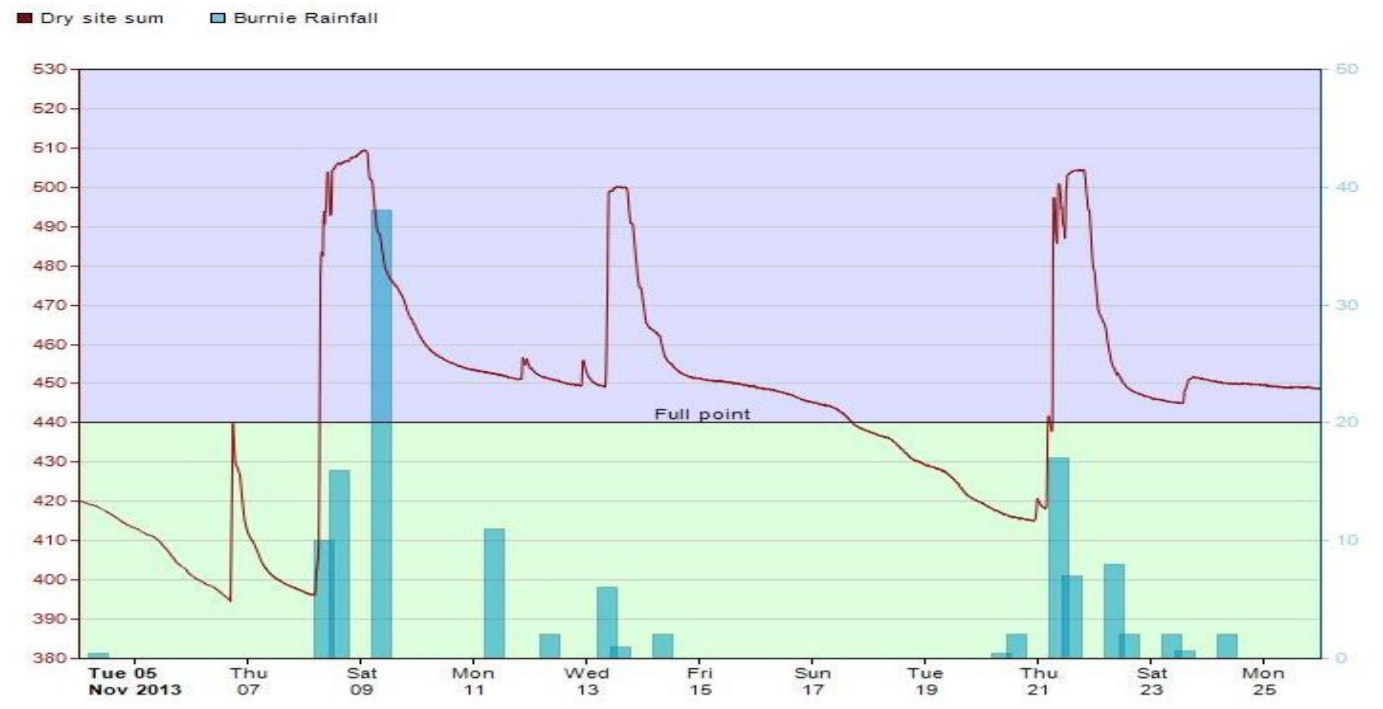
PASTURE INFORMATION	Farm			Irrigated			Rain-fed		
	Last Week	This Week	Variation	Last Week	This Week	Variation	Last Week	This Week	Variation
Grazed milking area (ha)	108.4	108.4	0.0	38.9	38.9	0.0	69.5	68.3	1
Rotation Length (days)	34	36	1	21	24	3	53	49	-5
Grazing allocation per day (ha)	3.2	3.0	-0.2	1.9	1.6	-0.3	1.3	1.4	0.1
Average time since last grazed (days)	31	29	-2	32	29	-3	30	29	-1
Leaf appearance rate (days per leaf)	11	12	1	11	11	0	11	13	2
Average Pasture Cover (kgDM/ha)	2596	2699	102	2389	2450	61	2712	2840	128
Pasture Growth Rate (kgDM/ha/day)	77	83	6	67	82	15	81	83	2
Post Grazing Biomass (kgDM/ha)	1815	1688	-127						
Nitrogen applied YTD (kgN/ha)	40	40	0	5	0	-5	7	0	-7

\*Please note all pasture calculations detailed above are based on the current Grazed Milking Area

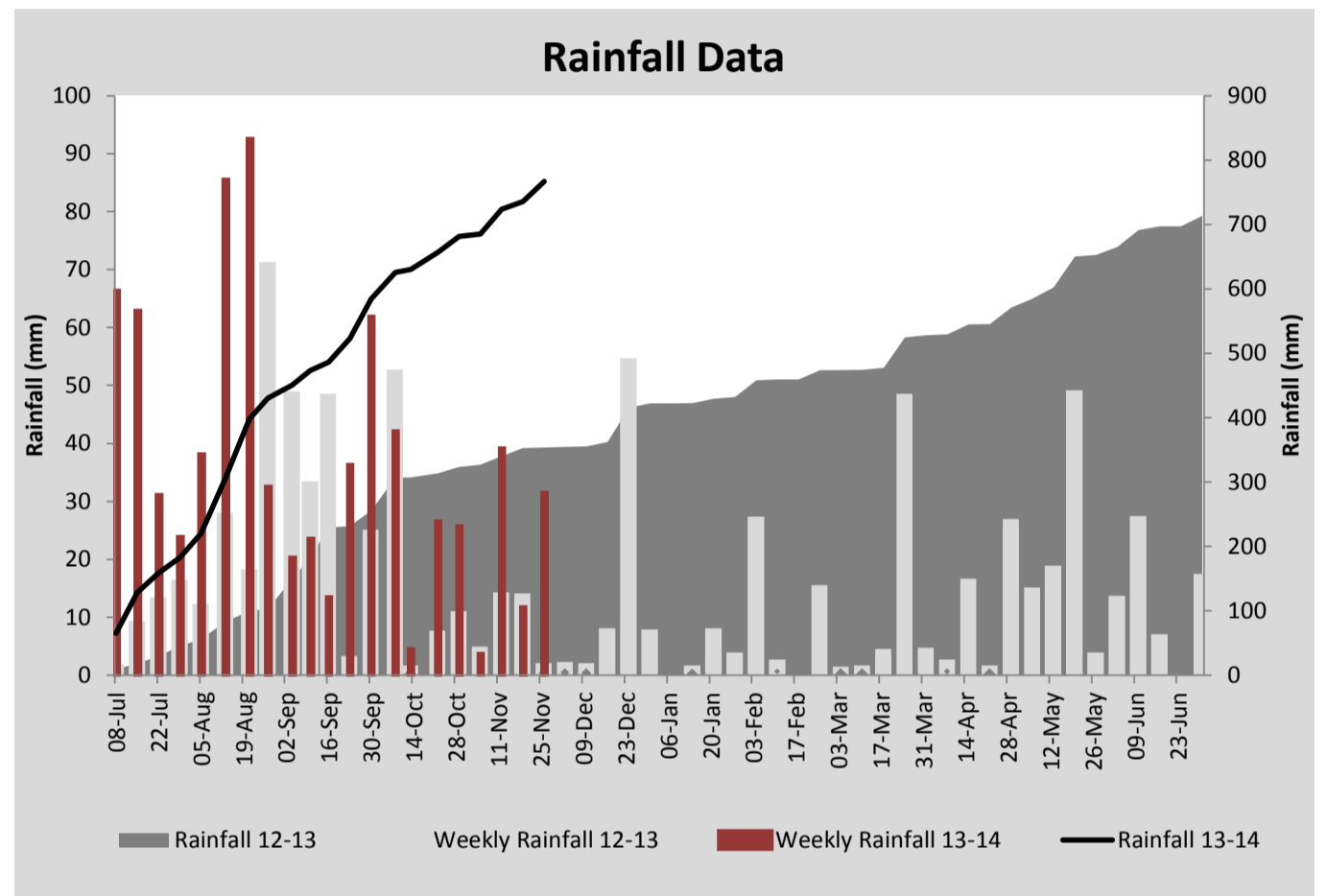
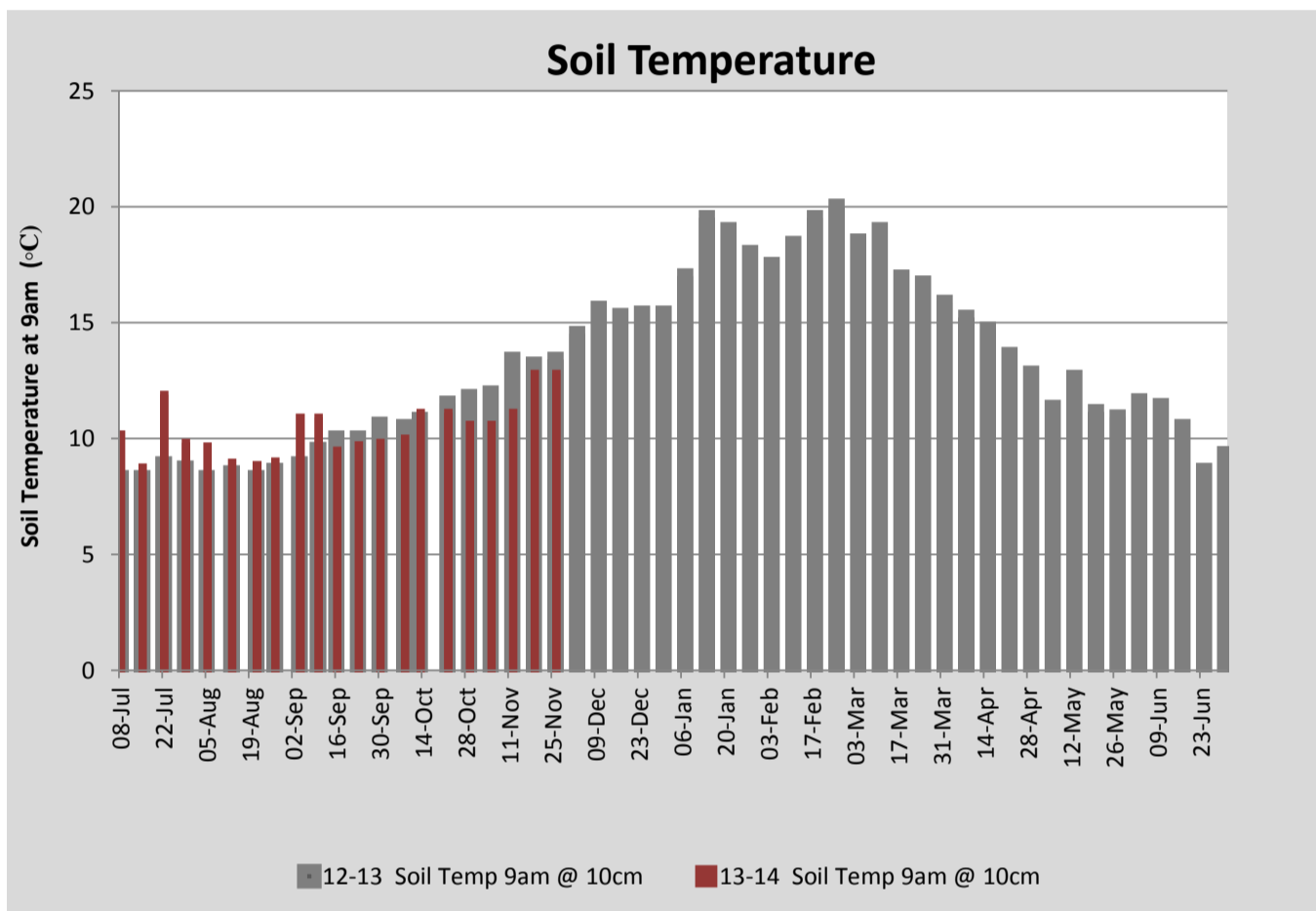
MILK PRODUCTION	Last Week	This Week	Variation
Average No. cows in milk (vat)	322	320	-2
Litres per cow	23.6	23.6	0.0
% Fat	3.94	4.07	0.13
% Protein	3.12	3.12	0.00
MS/cow/day	1.66	1.70	0.04
MS/ha/day	4.73	4.81	0.08
BMCC	166	167	1
Average Liveweight (kg)	486	489	3
	Budget	To Date	Variation
Total Milk Production (kgMS)	55,499	44,698	81%
MS/ha YTD	496	430	-66



Last 7 days					
Milkers Diet	kg DM	MJ ME	CP (%)	NDF (%)	\$/cow
Pasture Intake	16.4	11.2	14.3	47.0	0.0
Concentrates	4.0	13.0	11.0	21.0	0.0
Silage	0.0	0.0	0.0	0.0	0.0
Grazed forage	0.0	0.0	0.0	0.0	0.0
Other feeds	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>20.4</b>	<b>235.7</b>	<b>13.7</b>	<b>41.9</b>	<b>0</b>
<b>Target</b>		<b>191</b>	<b>16-18</b>	<b>&gt;33</b>	<b>0</b>



A graph of the soil moisture (red line) under the variable rate centre pivot. The blue bars are rainfall.



Analysis			
Expected growth rate next 7 days (kgDM/ha/day)	70	Target Leaf Grazing Stage	2.0
Total Demand from Pasture (kgDM/ha/day)	47	Predicted APC 7 days time	2857
APC balance (kgDM/ha/day)	23	Predicted APC Change	158.8

## Discussion

Pasture growth rates have continued to increase and at 86 kg DM/ha/day are almost two times what the cows require from the pasture on a daily basis. This means that further paddocks have been dropped from the rotation. This will assist in improving the quality of the pasture that the cows are grazing and in maintaining grazing residuals at target levels. Protein levels have been low in the pasture over the past few weeks, and while this is expected to improve as pasture quality improves, it is very likely that silage is going to be low in protein. This will need to be taken into consideration when feeding-out, especially to young stock over summer.

# 26 November 2013

