

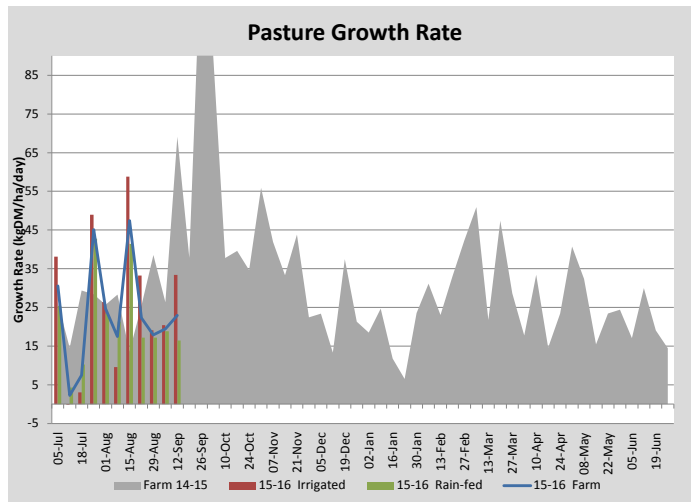
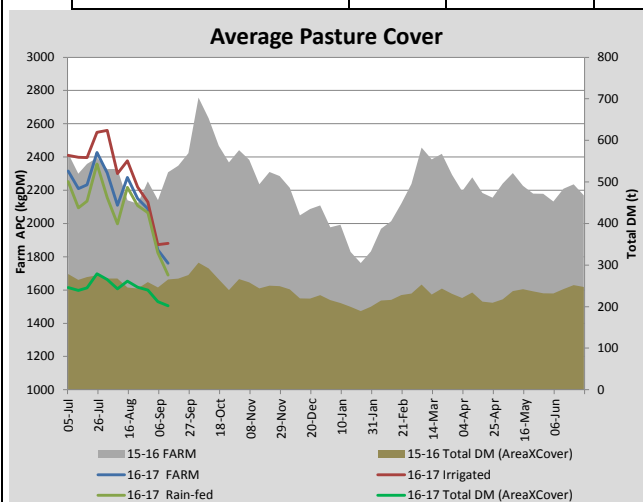
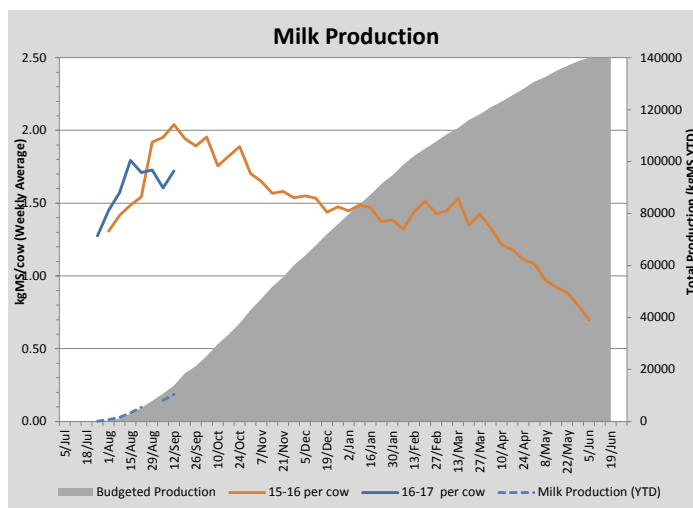
## Key Summary Points

- 1** Pasture cover has dropped as a result of a change of method in collecting data and increased grazing pressure as the milking herd becomes bigger.
- 2** More rain over the past week has made nitrogen applications difficult.
- 3** During the next few weeks ground will be prepared for summer crops.

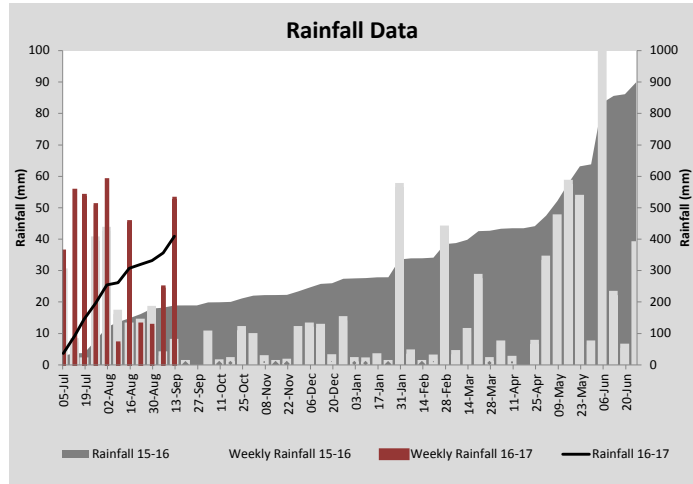
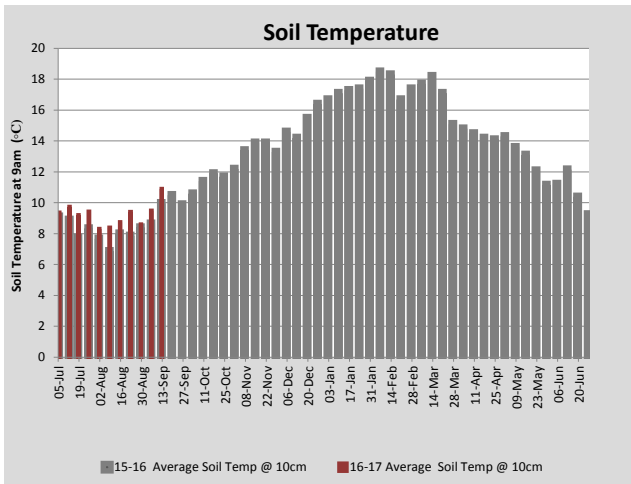
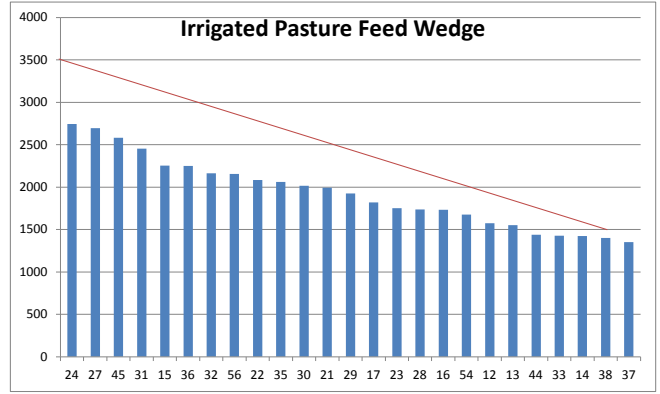
PASTURE INFORMATION	Farm			Irrigated			Rain-fed		
	Last Week	This Week	Variation	Last Week	This Week	Variation	Last Week	This Week	Variation
Grazed milking area (ha)	115.0	115.0	0.0	42.2	42.2	0.0	72.8	72.8	0
Rotation Length (days)	55	53	-2	183	81	-102	39	45	6
Grazing allocation per day (ha)	2.1	2.2	0.1	0.2	0.5	0.3	1.9	1.6	-0.2
Average time since last grazed (days)	67	66	-1	40	48	8	83	76	-7
Leaf appearance rate (days per leaf)	17	15	-2	17	15	-2	17	15	-2
Average Pasture Cover (kgDM/ha)	1842	1760	-82	1873	1881	8	1824	1690	-134
Pasture Growth Rate (kgDM/ha/day)	19	23	3	20	33	13	19	16	-2
Post Grazing Biomass (kgDM/ha)	1400	1400	0						
Nitrogen applied YTD (kgN/ha)	34	34	0	0	0	0	0	0	0

\*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)	270	310	40
Litres per cow	21.5	22.8	1.3
% Fat	4.20	4.28	0.09
% Protein	3.32	3.28	-0.04
MS/cow/day	1.60	1.72	0.12
MS/ha/day	3.83	4.73	0.89
BMCC	129,286	156,857	27,571
Average Liveweight (kg)	449	445	-4
	Budget	To Date	Variation
Total Milk Production (kgMS)	13,868	10,462	75%
MS/ha YTD	122	144	118%



Last 7 days					
Milkers Diet	kg DM	MJ ME	CP (%)	NDF (%)	\$/cow
Pasture Intake	9.9	0.0	0.0	0.0	0.0
Concentrates	6.0	12.9	45.6	20.3	0.0
Silage	2.1	0.0	0.0	0.0	0.0
Grazed forage	0.0	0.0	0.0	0.0	0.0
Other feeds	1.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>19</b>	<b>77.4</b>	<b>14.4</b>	<b>6.4</b>	<b>0</b>
<b>Target</b>		<b>90</b>	<b>16-18</b>	<b>&gt;33</b>	<b>0</b>



Analysis			
Expected growth rate next 7 days (kgDM/ha/day)	30	Target Leaf Grazing Stage	2.5-3.0
Total Demand from Pasture (kgDM/ha/day)	32	Predicted APC 7 days time	1745
APC balance (kgDM/ha/day)	-2	Predicted APC Change	-14.8

## Discussion

Average covers have declined this week, both as a result of increasing grazing pressure (more cows in milk) and a change in the method the data is collected. We have had a few issues with our C-Dax reader and have had to resort to using a standard plate meter to collect pasture readings and these two methods do give differing results. It is expected that break-even point (when pasture growth equals or exceeds daily consumption) will occur next week. It usually occurs around the 15th of September at Elliott, but may be a little later this year as the soils are still very saturated with continuing rainfall. The focus during next week will be to apply nitrogen (weather permitting) and begin preparing the ground for the summer crops. The accelerated calf rearing project is progressing well. The ad lib calves are still in front with their average liveweight of 70 kg compared to the control group (4 litres of milk/calf/day) which are currently averaging 57 kg. To date (average calf age is 50 days) the ad lib calves have consumed an average of 317 litres of milk and 2.7 kg pellets while the calves in the control group have consumed 182 litres of milk and 7.4 kg pellets. The highest daily milk intake of an ad lib calf has been 17 litres; average daily milk intake is 8 litres.

# 12 September 2016

