

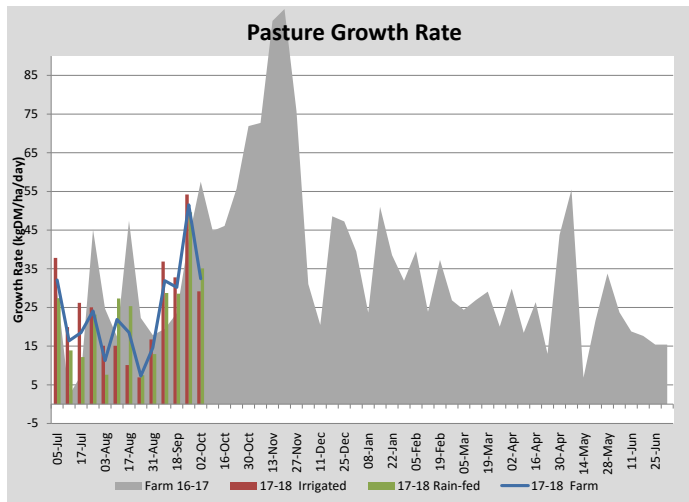
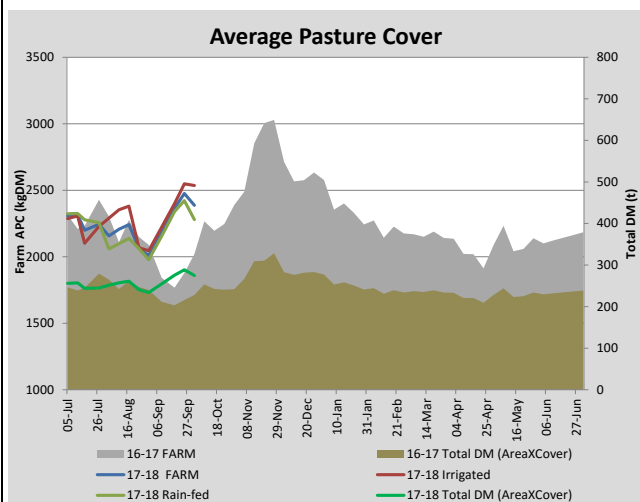
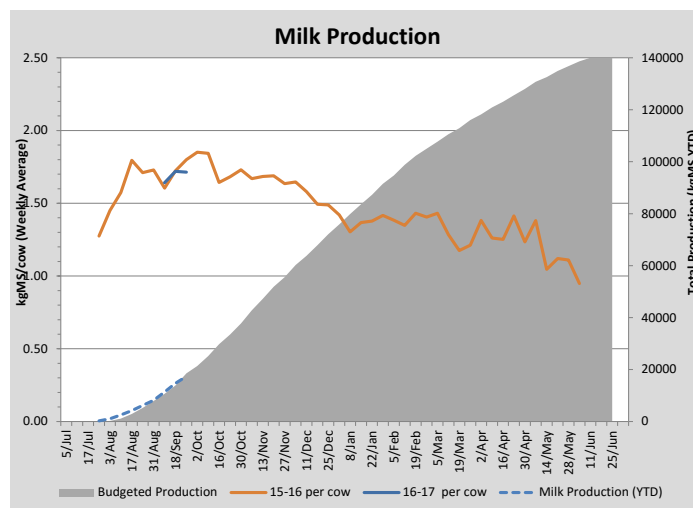
## Key Summary Points

- 1** Soil temperature, pasture growth rates and average pasture cover are increasing.
- 2** Repairs and maintenance is being conducted on silage making equipment.
- 3** Changes are being made to the grazing systems.

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)	116.6	116.6	0.0	40.5	49.5	9.0	76.1	67.1	-9
Rotation Length (days)	35	43	8	24	49	25	54	39	-14
Grazing allocation per day (ha)	3.3	2.7	-0.6	2.1	1.0	-1.1	1.3	1.7	0.5
Average time since last grazed (days)	75	55	-20	75	50	-25	75	58	-17
Leaf appearance rate (days per leaf)	14	14	0	14	14	0	14	14	0
Average Pasture Cover (kgDM/ha)	2365	2476	111	2399	2549	149	2339	2422	83
Pasture Growth Rate (kgDM/ha/day)	30	52	21	33	54	21	29	50	21
Post Grazing Biomass (kgDM/ha)	1585	1519	-66						
Nitrogen applied YTD (kgN/ha)	8	8	0	0	0	0	0	0	0

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

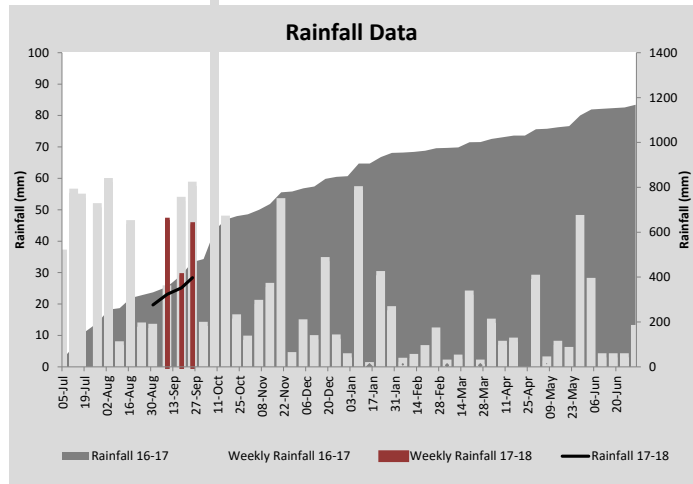
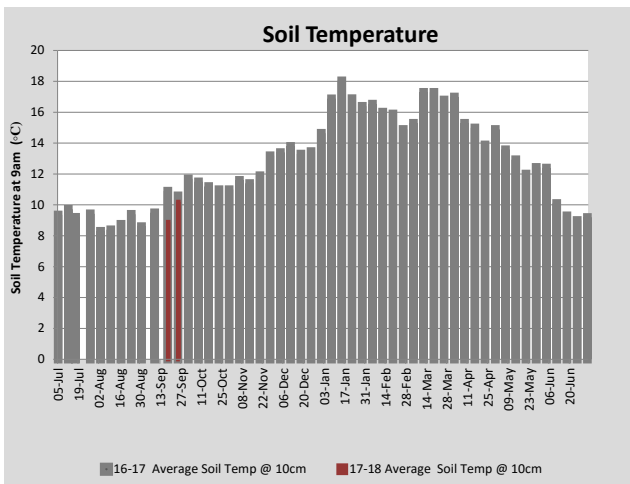
MILK PRODUCTION	Last Week	This Week	Variation
Average No. cows in milk (vat)	280	290	10
Litres per cow	22.3	22.5	0.2
% Fat	4.50	4.44	-0.06
% Protein	3.17	3.26	0.09
MS/cow/day	1.72	1.71	-0.01
MS/ha/day	4.26	4.40	0.14
BMCC	235,000	253,000	18,000
Average Liveweight (kg)	0	0	0
	Budget	To Date	Variation
Total Milk Production (kgMS)	18,571	17,360	93%
MS/ha YTD	163	167	103%



Last 7 days					
Milkers Diet	kg DM	MJ ME	CP (%)	NDF (%)	\$/cow
Pasture Intake	17.0	0.0	0.0	0.0	0.0
Concentrates	4.5	0.0	0.0	0.0	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>21.5</b>				<b>0</b>
<b>Target</b>			<b>16-18</b>	<b>&gt;33</b>	<b>0</b>



Fencelines and stumps are being cleared on the run-off in order to set-up a technograzing system.



Analysis			
Expected growth rate next 7 days (kgDM/ha/day)	50	Target Leaf Grazing Stage	2.5-3.0
Total Demand from Pasture (kgDM/ha/day)	32	Predicted APC 7 days time	2600
APC balance (kgDM/ha/day)	18	Predicted APC Change	123.7

## Discussion

With soil temperature increasing, there has also been a lift in pasture growth rates and average pasture cover. It is expected there will be paddocks ready to mow for silage in the next fortnight so R&M is being conducted on the mower and tedder (contractors are used for raking and baling). The irrigation system will also be tested and repaired where necessary, ready for start-up. Nitrogen won't be used this spring. This is because the farm will have a lower stocking rate this season - anticipate peak milking 320 cows (2.8 cows/ha). In addition, most of the herd is involved in a grain feeding research trial. Grain levels will remain constant for trial cows throughout the season. Without the ability to reduce grain feeding levels through spring, there will be less demand for pasture and an increased pasture surplus is predicted. Some changes are underway with the grazing systems at TDRF. Firstly there will be a gradual change to a sequential paddock grazing system with the milking herd. This will make allocation more accurate reducing the need for silage to fill a paddock feed gap (not enough grass in the paddock for a particular grazing) as well as making it easier to manage residuals by re-grazing. And it fits in well with leaf-stage grazing systems. A change is also being made on the run-off area. Fencelines and trees are being cleared in order to set-up a technograzing system. Again, this will help improve pasture allocation on the run-off and will make it easier to manage bulls in smaller groups.

# 25 September 2017

