

## Macalister Demonstration Farm

Projects on the farm are funded by GippsDairy, HICO and Genetics Australia

### Macalister Demonstration Farm Update 431 (Week ending September 9, 2016)

What's been going on at the MDF?

Calving is running smoothly, with only a few milk fever cases during the cold rainy spell last week, however all is now under control. Herd producing well at just under 2kgMS/cow/day, with a good cell count, consistently sitting between 140,000 to 180,000. There are 69 springers left to calve. They are getting a small allocation of grass each day, along with 3kg of lead feed and ad lib hay. Despite the lower milk price now that we in September, the net margin after supplements is good at \$6.35, up \$0.74/cow/day on two weeks ago, due to the increase in per cow production on the same amount of supplements. This is due to a considerable increase in pasture growth rate which is meeting pasture demand.

MACALISTER DEMONSTRATION FARM	Farm Location: Maffra		
Description: The MDF is located at Maffra in Gippsland Victoria in the Macalister Irrigation District. The farm has a milking area of 73 ha and is fully irrigated.	Two weeks ago	9/9/2016	
<u>Production</u>			
Cow numbers (herd and vat)	204 herd and 180 vat	275 herd and 250 vat	
Cow production/day	20.8	25.2	litres
Fat %	4.2	4.3	%
Protein %	4.0	3.55	%
Kg milk solids/cow /day	1.71	1.97	kgMS
BMCC	250,000	155,000	
<u>Grazing and Feeding</u>			
Concentrates (Pellets/Grain/Additive)	4.0	3.6	kgDM/day
Cost of concentrate (crushed barley)	\$0.245	\$0.27	c/kg DM
Additive (calciprill)	0.03	0.03	c/kgDM
Cost of hay	0	0	c/kgDM
Silage	0	0	kgDM/day
Cost of silage			c/kgDM
Pasture demand	12	13.4	kg DM/cow/day
Pasture demand (kgDM/ha/day)	44	52	kg DM/ha/day
Area in rotation (ha)	73	73	ha
Rotation length milkers (days)	32	37	days
Grazing Area (ha per 24 hours)	2.3	2.0	ha
<u>Daily Income over Supplementary Feed Costs (IOSFC)</u>			
Milk Price	\$3.88	\$3.77	\$/kg milk solids
Milk Price	31.8	29.4	c/litre

**Income/cow	\$6.62	\$7.43	\$/cow/day
Supplementary Feed Cost/cow	\$1.02	\$1.08	\$/cow/day
IOSFC/cow	\$5.61	\$6.35	\$/cow/day
IOSFC/milking ha	\$13.83	\$21.75	\$/ha/day
Net litres/cow	17.6	21.6	Litres/day
Irrigated pasture cost			\$/cow/day
Irrigated pasture cost			c/kg DM
Net margin after supplements and irrigated pasture	\$5.61	\$6.41	\$/cow/day