

Canlac Holdings Ltd

- Notes**
- Milking platform only
 - Supplement and pasture is reported as 11 MJME/kg DM equivalent
 - Overseer nitrogen numbers (red and green diamonds) include non-effective land, other metrics use effective area

Farm characteristics

Soils		Climate					
Soil family	Lismore Mayfield	Rainfall	14/15	15/16	16/17	17/18	18/19
PAW60	86 mm 88 mm		436 mm	702 mm	584 mm	744 mm	604 mm
		Evapo-transpiration	919 mm	919 mm	919 mm	919 mm	919 mm

Irrigation					Fertiliser						
Irrigation applied	14/15	15/16	16/17	17/18	18/19	Nitrogen applied (effective)	14/15	15/16	16/17	17/18	18/19
	657 mm	486 mm	467 mm	364 mm	399 mm		271 kg N/ha	292 kg N/ha	243 kg N/ha	224 kg N/ha	191 kg N/ha
							285	288	228	215	184

Farm management

Stock					
Peak cows	14/15	15/16	16/17	17/18	18/19
	1371	1391	1437	1367	2058
Stocking rate	4.1 cows/ha	4.2 cows/ha	4.3 cows/ha	4.3 cows/ha	4.0 cows/ha
Live weight	480 kg/cow	480 kg/cow	491 kg/cow	507 kg/cow	481 kg/cow

Feed					Pasture						
Pasture eaten	14/15	15/16	16/17	17/18	18/19	Pasture eaten	14/15	15/16	16/17	17/18	18/19
	17.8 t DM/ha	18.5 t DM/ha	18.6 t DM/ha	18.3 t DM/ha	18.1 t DM/ha		17.8 t DM/ha	18.5 t DM/ha	18.6 t DM/ha	18.3 t DM/ha	18.1 t DM/ha
Fertiliser efficiency	66 kg DM/kg N	63 kg DM/kg N	77 kg DM/kg N	82 kg DM/kg N	95 kg DM/kg N	Fertiliser efficiency	66 kg DM/kg N	63 kg DM/kg N	77 kg DM/kg N	82 kg DM/kg N	95 kg DM/kg N
Water efficiency	16 kg DM/mm	16 kg DM/mm	18 kg DM/mm	17 kg DM/mm	18 kg DM/mm	Water efficiency	16 kg DM/mm	16 kg DM/mm	18 kg DM/mm	17 kg DM/mm	18 kg DM/mm

Supplement					
Supplement per ha	14/15	15/16	16/17	17/18	18/19
	3.3 t DM/ha	3.0 t DM/ha	3.9 t DM/ha	3.8 t DM/ha	2.2 t DM/ha
Supplement per cow	802 kg DM/cow	729 kg DM/cow	905 kg DM/cow	878 kg DM/cow	551 kg DM/cow
	86	84	93	83	57

Nitrogen summary	Calculation	14/15	15/16	16/17	17/18	18/19
Purchased N surplus	+ Fert N + Supplement N - Product N - Stored supplement N	238 kg N/ha	231 kg N/ha	186 kg N/ha	165 kg N/ha	114 kg N/ha
N leaching	Overseer v6.3.1	76 kg N/ha	75 kg N/ha	63 kg N/ha	55 kg N/ha	49 kg N/ha
Purchased N use efficiency	Product N Stored supplement N Fert N Supplement N	36%	38%	42%	45%	53%

Farm production

Products					
Productivity	14/15	15/16	16/17	17/18	18/19
	2044 kg MS/ha	2082 kg MS/ha	2147 kg MS/ha	2128 kg MS/ha	1925 kg MS/ha
	500 kg MS/cow	502 kg MS/cow	500 kg MS/cow	496 kg MS/cow	477 kg MS/cow
Milk from pasture	84%	86%	83%	82%	89%
Fertiliser efficiency	7.5 kg MS/kg N	7.1 kg MS/kg N	8.8 kg MS/kg N	9.5 kg MS/kg N	10.1 kg MS/kg N
MS as % of liveweight	104%	104%	102%	98%	99%
	128	134	132	127	120

Stored supplement					
Harvest crop area	14/15	15/16	16/17	17/18	18/19
	0 ha	0 ha	0 ha	0 ha	0 ha
% of farm cut for silage	22%	19%	11%	23%	22%
Stored or exported feed	87 t DM	134 t DM	67 t DM	96 t DM	183 t DM
	5	7	3	6	7