

Ballindalloch Farm 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	Balmoral Pahau Culverden	Rainfall	14/15	15/16	16/17	17/18	18/19
PAW60	62 mm 87 mm 81 mm	Evapo-transpiration	354 mm	422 mm	531 mm	843 mm	624 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
	674 mm	585 mm	428 mm	421 mm	368 mm		280 kg N/ha	280 kg N/ha	289 kg N/ha	277 kg N/ha	320 kg N/ha
							271	271	282	261	301

Farm management

Stock					
Peak cows	14/15	15/16	16/17	17/18	18/19
	1185	1167	1174	1154	1198
Stocking rate	3.8 cows/ha	3.8 cows/ha	3.8 cows/ha	3.7 cows/ha	3.9 cows/ha
Live weight	482 kg/cow	480 kg/cow	480 kg/cow	493 kg/cow	499 kg/cow

Feed					
Pasture eaten	14/15	15/16	16/17	17/18	18/19
	15.1 t DM/ha	16.1 t DM/ha	15.0 t DM/ha	14.5 t DM/ha	14.8 t DM/ha
Fertiliser efficiency	54 kg DM/kg N	58 kg DM/kg N	52 kg DM/kg N	52 kg DM/kg N	46 kg DM/kg N
Water efficiency	15 kg DM/mm	16 kg DM/mm	16 kg DM/mm	11 kg DM/mm	15 kg DM/mm
Supplement					
Supplement per ha	3.3 t DM/ha	3.0 t DM/ha	3.4 t DM/ha	3.4 t DM/ha	5.0 t DM/ha
Supplement per cow	852 kg DM/cow	786 kg DM/cow	892 kg DM/cow	907 kg DM/cow	1301 kg DM/cow
	79	75	86	77	119

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	232 kg N/ha	223 kg N/ha	248 kg N/ha	223 kg N/ha	297 kg N/ha
N leaching	Overseer v6.3.1	43 kg N/ha	46 kg N/ha	50 kg N/ha	46 kg N/ha	59 kg N/ha
Purchased N use efficiency	Product N Stored supplement N Fert N Supplement N	34%	36%	33%	34%	29%

Farm production

Products					
Productivity	14/15	15/16	16/17	17/18	18/19
	1764 kg MS/ha	1724 kg MS/ha	1755 kg MS/ha	1705 kg MS/ha	1904 kg MS/ha
	461 kg MS/cow	458 kg MS/cow	463 kg MS/cow	458 kg MS/cow	493 kg MS/cow
Milk from pasture	82%	84%	81%	81%	75%
Fertiliser efficiency	6.3 kg MS/kg N	6.2 kg MS/kg N	6.1 kg MS/kg N	6.2 kg MS/kg N	5.7 kg MS/kg N
MS as % of liveweight	96%	95%	97%	93%	99%
	115	112	114	113	123

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	7%	36%	16%	4%	0%
Stored or exported feed	31 t DM	186 t DM	93 t DM	31 t DM	0 t DM
	3	11	6	2	0