

Physical Data Summary

Ballindalloch Farm Ltd (Farm ID: 857804)
Dairy Season ended: 2019

Printed: 16 December 2019

This information was collected in the level-1 questionnaire. It is used to generate adjustments and KPI's in both Financial and Physical Detail reports. Please check that it is correct.

Dairy Co Supplied: Fonterra
Production System: 5 Feed imported all year >31%
Business Type: Owner operator
Calving Season: Spring only
Winter Milk: No

Region: Marlborough-Canterbury
% Milking Area Irrigated: More than 30%
Farm Dairy Type: R68

Balance Month: May
Milking Interval: Twice a day
Organic: No

District: Hurunui
Season's rainfall (mm): 624
NIWA 10 Yr Av Rainfall (mm): 640

Stock

Predominant dairy breed: Crossbred
Peak Cows Milked: 1,198
Stocking rate (Cows/ha): 3.9
Replacement Calves Reared: 329

Land Area (ha)

Total Dairying area: 327.0
less Ungrazeable area: 17.0
Effective Dairying area: 310.0

Support block effective area: 199.0
Defined Young Stock area: 4.2
Non-dairy effective area: 0.0

Labour

Full time paid labour equivalents: 6.2
Full time unpaid labour equivalents: 0.0
FTE unpaid management: 0.0
Total FTEs: 6.2
Milking Cups per FTE: 11

Production

	Total	Per ha	Per cow	Composition
Milk Litres:	6,723,151	21,688	5,612	
Fat kg:	322,018	1,039	269	4.8%
Protein kg:	268,142	865	224	4.0%
Financial year - Milksolids kg:	590,159	1,904	493	8.8%
Production year - Milksolids kg:	590,159	1,904	493	

Number in Benchmark Group:
Benchmark Group Selected by: None
Benchmark Group Ranked by:

Data entered by: Financial: Extended Physical: DairyNZ Project; Forages for Reduced Nitrate Leaching

Disclaimer:

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Validation Messages: None

Physical Detail A

Number in Benchmark Group:
Benchmark Group Selected by: None
Benchmark Group Ranked by:

Physical Description	Units	2018-19		2017-18	2016-17	2015-16	2014-15
		Farm	Benchmark	Farm	Farm	Farm	Farm
Milking area	ha	310.0		310.0	310.0	310.0	310.0
Support block effective area	ha	199.0		199.0	199.0	199.0	199.0
Percent of farm at different height to dairy		0%		0%	0%	0%	0%
Peak cows milked		1,198		1,154	1,174	1,167	1,185
Stocking rate	cows/ha	3.9		3.7	3.8	3.8	3.8
Cow breed		Crossbred		Crossbred	Crossbred	Crossbred	Crossbred
Cow liveweight	kg	499		493	480	480	482
Liveweight/ha	kg/ha	1,928		1,835	1,818	1,807	1,842
BW/reliability		82 / 42 LIC		90 / 45 LIC	87 / 43 LIC	129 / 44 LIC	126 / 44 LIC
PW/reliability		110 / 52 LIC		109 / 59 LIC	96 / 48 LIC	142 / 57 LIC	142 / 58 LIC
Season's rainfall	mm	624		843 NIWA	531 NIWA	422	360 NIWA
NIWA 10 Year average rainfall	mm	640		650	630	620	630
Production system		5		4	4	4	4
Calving season		Spring only		Spring only	Spring only	Spring only	Spring only
Nitrogen applied for year	kg/ha	320		277	289	280	280
Milksolids (MS) Production to factory - (Seasonal year)							
Milksolids/ha	kg/ha	1,904		1,705	1,755	1,724	1,764
Milksolids/cow	kg/cow	493		458	463	458	461
MS/ha to 31st Dec	kg/ha	1,028		963	961	950	957
MS as % of liveweight		99%		93%	97%	95%	96%
10 day peak per cow	kg/day	2.18		2.17	1.96	1.95	2.04
Average Milksolids/cow/day	kg/day	1.8		1.7	1.7	1.7	1.8
Monthly production drop: Peak to 31Dec		9.2%		6.2%	3.1%	5.3%	7.9%
Days in Milk per cow		270		266	271	273	258
Feed Eaten							
feed KPIs based on 11.0 ME Pasture.							
Pasture & Crop harvested	MJME/ha	162,666		159,784	165,088	176,745	165,828
Pasture & Crop harvested	t DM/ha	14.8		14.5	15.0	16.1	15.1
Pasture & Crop eaten	t DM/ha	14.8		14.4	14.7	15.5	14.9
Imported supplements eaten	t DM/ha	5.0		3.4	3.4	3.0	3.3
Grazing off dry cows eaten	t DM/ha	2.9		3.1	3.0	2.6	2.7
Total feed eaten	t DM/ha	22.7		20.9	21.1	21.0	20.9
Feed exported	t DM/ha	0.0		0.1	0.3	0.6	0.1
Imported supplements eaten	kg DM/cow	1301		907	892	786	852
Imported supplements & grazing eaten	kg DM/cow	2057		1734	1685	1476	1548
Average utilisation imported supplement		84%		82%	83%	84%	90%
Average ME imported supplements	MJ/kgDM	11.3		11.4	11.2	10.9	11.7
Crops Grazed & Harvested							
Farm area in grazed winter crop	ha	0.0		0.0	0.0	0.0	0.0
Farm area in grazed summer crop	ha	0.0		0.0	0.0	0.0	0.0
Farm area in harvest crop	ha	0.0		0.0	0.0	0.0	0.0
Percent of farm harvested for hay & silage		0%		4%	16%	36%	7%
People							
Cows/Labour unit	cows/FTE	193		192	206	229	194
Milksolids/Labour unit	kg/FTE	95,187		88,090	95,427	104,768	89,632

Physical Detail B

Ballindalloch Farm Ltd (Farm ID: 857804)
Dairy Season ended: 2019

Printed: 16 December 2019



No DairyBase benchmarks are available for this page, industry targets are provided where applicable.

		2018-19		2017-18	2016-17	2015-16	2014-15
Mastitis and Lameness	Units	Target	Farm	Farm	Farm	Farm	Farm
Cows treated for lameness		<3%	5%	6%	5%	4%	8%
Average bulk SCC	1000s	<125 *	105	137	167	170	146
Clinical mastitis (1st 6 weeks season)		<8% *	2%	2%	2%	2%	2%
Calving and Mating (Based on InCalf Fertility Focus Report)							
% of cows calving in Spring (vs Autumn)			100%	100%	100%	100%	100%
Planned Start of Calving (PSC)	Spring		02-Aug	06-Aug	31-Jul	31-Jul	01-Aug
% Calved by week 3		67%	69%	65%	69%	72%	72%
% by week 6		88%	89%	89%	89%	92%	92%
% by week 9		98%	98%	99%	99%	99%	99%
% Cows induced to calve			0%	0%	0%	0%	0%
% Cows treated for non-cycling			15%	16%	12%	0%	0%
Planned Start of Mating (PSM)			25-Oct	24-Oct	25-Oct	23-Oct	23-Oct
3-week submission rate		90%	89%	89%	92%	83%	89%
6-week in-calf rate, Actual (A) or Estimated (E)		78%	67% A	70% A	68% A	66% A	71% A
Empty rate		12% * 2018-19	23%	17%	16%	18%	15%
Length of AB	weeks		10	10	10	10	11
Length of total mating	weeks		10	10	10	10	11
Wastage and Replacements							
Cows milked 1 Dec as % of opening cows		>96%	94%	93%	94%	93%	95%
Percent herd entering as heifers		18-22%	28%	21%	27%	32%	27%
1st calvers on farm end of season %		>86%	94%	93%	93%	88%	81%
Soils & Fertiliser							
Olsen P				39		43	55
Quick test K - Potassium (average)				9		9	11
Sulphate-S (average)				6		10	
Quick test Mg - Magnesium (average)				38		39	45
Soil pH				6.2		6.2	6.2
Phosphate applied for year	kg/ha		38	51	12	0	36
Potassium applied for year	kg/ha		0	0	0	0	0
Sulphate applied for year	kg/ha		62	64	46	31	66
Magnesium applied for year	kg/ha		0	0	0	0	0
Lime applied for year	kg/ha		0	0	0	633	0
Irrigation							
Benchmark							
Area irrigated	ha		310.0	310.0	310.0	310.0	310.0
Percent of effective area irrigated %			100%	100%	100%	100%	100%
Total water applied annually	mm		368	421	428	585	674
Pasture Eaten kgDM/ha/mm [†] (17Apr-16Sept)	kgDM/ha/mm		15	18	22	20	13

Comments Industry targets: Empty rate target is based on the length of total mating and relates to the current season. SCC and Clinical mastitis targets are based on top 10%