



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	Balance Month:	May
Production System:	4 Feed imported to extend lactation 21-30%	Milking Interval:	Twice a day
Business Type:	Owner with variable order/contract milker	Organic:	No
Calving Season:	Spring only	District:	Ashburton
Winter Milk:	No	Season's rainfall (mm):	1005
Region:	Marlborough-Canterbury	NIWA 10 Yr Av Rainfall (mm):	720
% Milking Area Irrigated:	More than 30%		
Farm Dairy Type:	R80		

Stock	
Predominant dairy breed:	Crossbred
Peak Cows Milked:	1,414
Stocking rate (Cows/ha):	3.8
Replacement Calves Reared:	397

Land Area (ha)	
Total Dairying area:	405.9
less Ungrazeable area:	30.9
Effective Dairying area:	375.0
Support block effective area:	247.5
Defined Young Stock area:	0
Non-dairy effective area:	0.0

Labour	
Full time paid labour equivalents:	6.9
Full time unpaid labour equivalents:	0.0
FTE unpaid management:	0.0
Total FTEs:	6.9
Milking Cups per FTE	11.5

Production	Total	Per ha	Per cow	Composition
Milk Litres:	7,516,889	20,046	5,316	
Fat kg:	382,978	1,021	271	5.1%
Protein kg:	299,860	800	212	4.0%
Financial year - Milksolids kg:	682,838	1,821	483	9.1%
Production year - Milksolids kg:	682,838	1,821	483	

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

Data entered by:	Financial:	Extended Physical: DairyNZ Project; Forages for Reduced Nitrate Leaching
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Validation Messages:	None
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Number in Benchmark Group: None
Benchmark Group Selected by:
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	375.0		375.0	375.0	375.0	375.0
Support block effective area	ha	247.5		247.5	247.5	523.2	523.2
Percent of farm at different height to dairy		33%		33%	33%	33%	33%
Peak cows milked		1,414		1,411	1,401	1,466	1,479
Stocking rate	cows/ha	3.8		3.8	3.7	3.9	3.9
Cow breed		Crossbred		Crossbred	Crossbred	Crossbred	Crossbred
Cow liveweight	kg	485		495	500	500	500
Liveweight/ha	kg/ha	1,829		1,863	1,868	1,955	1,972
BW/reliability		80 / 43 LIC		88 / 43 LIC	78 / 43 LIC	118 / 45 LIC	109 / 45 LIC
PW/reliability		110 / 52 LIC		114 / 51 LIC	101 / 55 LIC	149 / 70 LIC	135 / 71 LIC
Season's rainfall	mm	1005		1160	859	745	970
NIWA 10 Year average rainfall	mm	720		750	710	720	720
Production system		4		4	4	4	5
Calving season		Spring only		Spring only	Spring only	Spring only	Spring only
Nitrogen applied for year	kg/ha	269		326	291	295	300
Milksolids (MS) Production to factory - (Seasonal year)							
Milksolids/ha	kg/ha	1,821		1,774	1,687	1,766	1,754
Milksolids/cow	kg/cow	483		471	451	452	445
MS/ha to 31st Dec	kg/ha	980		963	926	914	929
MS as % of liveweight		100%		95%	90%	90%	89%
10 day peak per cow	kg/day	2.16		2.16	2.09	2.05	2.11
Average Milksolids/cow/day	kg/day	1.9		1.8	1.7	1.7	1.6
Monthly production drop: Peak to 31Dec		5.6%		5.7%	5.4%	7.2%	10.7%
Days in Milk per cow		261		257	259	266	273
Feed Eaten							
feed KPIs based on 11.0 ME Pasture.							
Pasture & Crop harvested	MJME/ha	168,301		172,931	167,408	175,518	166,101
Pasture & Crop harvested	t DM/ha	15.3		15.7	15.2	16.0	15.1
Pasture & Crop eaten	t DM/ha	15.0		15.2	14.8	15.7	14.7
Imported supplements eaten	t DM/ha	3.1		3.1	3.0	2.7	3.4
Grazing off dry cows eaten	t DM/ha	3.2		3.0	2.9	3.2	3.2
Total feed eaten	t DM/ha	21.3		21.3	20.7	21.6	21.3
Feed exported	t DM/ha	0.4		0.5	0.5	0.2	0.4
Imported supplements eaten	kg DM/cow	814		815	795	681	853
Imported supplements & grazing eaten	kg DM/cow	1674		1619	1574	1500	1671
Average utilisation imported supplement		87%		91%	87%	91%	92%
Average ME imported supplements	MJ/kgDM	11.5		11.4	11.9	12.2	12.3
Crops Grazed & Harvested							
Farm area in grazed winter crop	ha	8.0		8.7	15.2	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		17.0	0.0	0.0	0.0
Percent of farm harvested for hay & silage		14%		16%	35%	19%	44%
People							
Cows/Labour unit	cows/FTE	205		228	226	181	185
Milksolids/Labour unit	kg/FTE	98,962		107,280	102,008	81,754	82,231

Physical Detail B

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

	Units	2018-19		2017-18	2016-17	2015-16	2014-15
		Target	Farm	Farm	Farm	Farm	Farm
Mastitis and Lameness							
Cows treated for lameness		<3%	4%	19%	19%	5%	7%
Average bulk SCC	1000s	<125 *	115	104	128	127	103
Clinical mastitis (1st 6 weeks season)		<8% *	2%	12%	12%	2%	5%
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		09-Aug	09-Aug	08-Aug	09-Aug	09-Aug
% Calved by week 3		67%	71%	73%	72%	69%	73%
% by week 6		88%	93%	94%	92%	92%	92%
% by week 9		98%	98%	99%	100%	99%	100%
% Cows induced to calve			0%	0%	0%	0%	4%
% Cows treated for non-cycling			14%	9%	9%	3%	3%
Planned Start of Mating (PSM)			31-Oct	31-Oct	31-Oct	30-Oct	31-Oct
3-week submission rate		90%	87%	91%	92%	86%	92%
6-week in-calf rate, Actual (A) or Estimated (E)		78%	65% A	71% A	68% A	68% A	77% A
Empty rate		10% * 2018-19	17%	14%	19%	16%	11%
Length of AB	weeks		12	12	10	10	11
Length of total mating	weeks		12	12	10	10	11
Wastage and Replacements							
Cows milked 1 Dec as % of opening cows		>96%	95%	94%	93%	95%	95%
Percent herd entering as heifers		18-22%	23%	24%	25%	23%	23%
1st calvers on farm end of season %		>86%	79%	87%	80%	76%	82%
Soils & Fertiliser							
Olsen P			35		26	29	25
Quick test K - Potassium (average)			8		7	7	5
Sulphate-S (average)			11		8	9	7
Quick test Mg - Magnesium (average)			11		18	19	15
Soil pH			6.2		6.2	6.0	6.1
Phosphate applied for year	kg/ha		39	45	44	18	41
Potassium applied for year	kg/ha		36	31	19	22	25
Sulphate applied for year	kg/ha		46	46	54	30	48
Magnesium applied for year	kg/ha		20	0	0	0	2
Lime applied for year	kg/ha		271	654	254	0	493
Irrigation Benchmark							
Area irrigated	ha		356.3	356.3	356.3	356.3	356.3
Percent of effective area irrigated %			95%	95%	95%	95%	95%
Total water applied annually	mm		229	304	287	466	444
Pasture Eaten kgDM/ha/mm*(irrgn+rain Sept-Apr)	kgDM/ha/mm		18	18	25	20	14

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%