



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:	3 Feed imported to extend lactation 11-20%	Milking Interval:	Twice a day
Business Type:	Owner operator	Organic:	No
Calving Season:	Spring and Autumn	District:	Selwyn
Winter Milk:	No	Season's rainfall (mm):	604
Region:	Marlborough-Canterbury	NIWA 10 Yr Av Rainfall (mm):	640
% Milking Area Irrigated:	More than 30%		
Farm Dairy Type:	R50, R60		

Stock	
Predominant dairy breed:	Crossbred
Peak Cows Milked:	2,058
Stocking rate (Cows/ha):	4.0
Replacement Calves Reared:	559

Land Area (ha)	
Total Dairying area:	526.0
less Ungrazeable area:	16.4
Effective Dairying area:	509.6
Support block effective area:	155.0
Defined Young Stock area:	5
Non-dairy effective area:	0.0

Labour	
Full time paid labour equivalents:	11.7
Full time unpaid labour equivalents:	0.0
FTE unpaid management:	0.0
Total FTEs:	11.7
Milking Cups per FTE	9.4

Production	Total	Per ha	Per cow	Composition
Milk Litres:	10,560,867	20,723	5,132	
Fat kg:	554,151	1,087	269	5.2%
Protein kg:	426,951	838	207	4.0%
Financial year - Milksolids kg:	981,102	1,925	477	9.3%
Production year - Milksolids kg:	981,102	1,925	477	

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

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

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Validation Messages: None

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	509.6		318.6	335.0	335.0	335.0
Support block effective area	ha	155.0		155.0	155.0	155.0	155.0
Percent of farm at different height to dairy		2%		2%	2%	2%	2%
Peak cows milked		2,058		1,367	1,437	1,391	1,371
Stocking rate	cows/ha	4.0		4.3	4.3	4.2	4.1
Cow breed		Crossbred		Crossbred	Crossbred	Crossbred	Crossbred
Cow liveweight	kg	481		507	491	480	480
Liveweight/ha	kg/ha	1,942		2,175	2,106	1,993	1,964
BW/reliability		99 / 44 LIC		108 / 44 LIC	96 / 46 LIC	141 / 47 LIC	152 / 45 LIC
PW/reliability		144 / 49 LIC		145 / 51 LIC	129 / 60 LIC	178 / 64 LIC	202 / 53 LIC
Season's rainfall	mm	604		744	584 NIWA	702	363 NIWA
NIWA 10 Year average rainfall	mm	640		680	660	690	710
Production system		3		4	4	4	4
Calving season		Spring and Autumn		Spring only	Spring only	Spring only	Spring only
Nitrogen applied for year	kg/ha	191		224	243	292	271
Milksolids (MS) Production to factory - (Seasonal year)							
Milksolids/ha	kg/ha	1,925		2,128	2,147	2,082	2,044
Milksolids/cow	kg/cow	477		496	500	502	500
MS/ha to 31st Dec	kg/ha	1,054		1,193	1,168	1,142	1,124
MS as % of liveweight		99%		98%	102%	104%	104%
10 day peak per cow	kg/day	1.96		2.18	2.09	2.25	2.31
Average Milksolids/cow/day	kg/day	1.7		1.8	1.8	1.9	1.8
Monthly production drop: Peak to 31Dec		9.1%		5.0%	6.3%	7.7%	8.1%
Days in Milk per cow		281		273	277	270	274
Feed Eaten							
feed KPIs based on 11.0 ME Pasture.							
Pasture & Crop harvested	MJME/ha	199,475		201,492	204,821	203,440	196,036
Pasture & Crop harvested	t DM/ha	18.2		18.3	18.6	18.5	17.8
Pasture & Crop eaten	t DM/ha	17.8		18.0	18.5	18.2	17.6
Imported supplements eaten	t DM/ha	2.2		3.8	3.9	3.0	3.3
Grazing off dry cows eaten	t DM/ha	2.3		3.2	3.0	3.2	2.9
Total feed eaten	t DM/ha	22.4		24.9	25.3	24.4	23.8
Feed exported	t DM/ha	0.4		0.3	0.2	0.4	0.3
Imported supplements eaten	kg DM/cow	551		878	905	729	802
Imported supplements & grazing eaten	kg DM/cow	1130		1620	1600	1493	1523
Average utilisation imported supplement		82%		86%	88%	85%	84%
Average ME imported supplements	MJ/kgDM	10.9		10.6	11.1	10.9	10.7
Crops Grazed & Harvested							
Farm area in grazed winter crop	ha	18.4		12.4	12.4	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		22%		23%	11%	19%	22%
People							
Cows/Labour unit	cows/FTE	176		171	192	191	188
Milksolids/Labour unit	kg/FTE	83,855		84,748	95,893	95,565	93,822

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

		2018-19		2017-18	2016-17	2015-16	2014-15
		Target	Farm	Farm	Farm	Farm	Farm
Mastitis and Lameness		Units	Target	Farm	Farm	Farm	Farm
Cows treated for lameness		<3%	6%	5%	7%	7%	6%
Average bulk SCC	1000s	<125 *	124	125	139	168	184
Clinical mastitis (1st 6 weeks season)		<8% *	4%	5%	5%	9%	4%
Calving and Mating (Based on InCalf Fertility Focus Report)							
% of cows calving in Spring (vs Autumn)			90%	100%	100%	100%	100%
Planned Start of Calving (PSC)	Spring		28-Jul	28-Jul	27-Jul	27-Jul	28-Jul
% Calved by week 3		67%	62%	63%	66%	59%	60%
% by week 6		88%	84%	84%	86%	82%	86%
% by week 9		98%	97%	95%	98%	95%	98%
% Cows induced to calve			0%	0%	0%	0%	4%
% Cows treated for non-cycling			33%	13%	6%	14%	0%
Planned Start of Mating (PSM)			19-Oct	19-Oct	19-Oct	19-Oct	23-Oct
3-week submission rate		90%	84%	87%	83%	84%	87%
6-week in-calf rate, Actual (A) or Estimated (E)		78%	64% A	70% A	68.5% A	68% A	72% A
Empty rate		10% * 2018-19	15%	17%	18%	21%	10%
Length of AB	weeks		8	5	5	5	5
Length of total mating	weeks		12	11	10	10	11
Wastage and Replacements							
Cows milked 1 Dec as % of opening cows		>96%	94%	96%	94%	96%	98%
Percent herd entering as heifers		18-22%	27%	22%	28%	20%	23%
1st calvers on farm end of season %		>86%	85%	88%	94%	77%	89%
Soils & Fertiliser							
Olsen P			43		37	37	34
Quick test K - Potassium (average)			10		9	9	9
Sulphate-S (average)			4		5	5	3
Quick test Mg - Magnesium (average)			40		38	38	35
Soil pH			6.0		6.0	6.0	6.2
Phosphate applied for year	kg/ha		26	39	38	45	38
Potassium applied for year	kg/ha		13	17	0	0	35
Sulphate applied for year	kg/ha		44	36	21	53	55
Magnesium applied for year	kg/ha		0	0	0	0	0
Lime applied for year	kg/ha		0	137	0	0	0
Irrigation Benchmark							
Area irrigated	ha		505.0	335.0	335.0	335.0	335.0
Percent of effective area irrigated %			99%	105%	100%	100%	100%
Total water applied annually	mm		399	364	467	486	657
Pasture Eaten kgDM/ha/mm [†] (irrgn+rain Sept-Apr)	kgDM/ha/mm		21	21	25	24	15

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%