

New Udder Health Report from Lactanet



Targeting Dry Off & Fresh Monitoring — Adding Value to the SCC Data.

You will notice a NEW report this month from Lactanet. It is provided at NO additional charge to all herds with somatic cell count (SCC) data. We have automatically enrolled you on this report, but it can be 'turned off' if you prefer not to receive. Simply notify your DHI staff or call us at 1-800-549-4373.

This report focuses on the important first few weeks of lactation, because early lactation mastitis is very costly. Early mastitis infections result in cows not achieving their production potential for the lactation, needing more treatment and in some cases premature culling. Herds cannot achieve superior milk quality and low bulk tank SCCs without good udder health in early lactation.

This report uses existing data to outline the mastitis infection rate in early lactation based on the SCCs at the first DHI test. Using the accepted principle that cows with $SCC > 200,000$ likely have a mastitis infection, the new report displays the infection rates on a test day basis. Following the fresh cow infection rate over sequential test dates shows trends in fresh cow infection rates over time. For smaller herds with fewer fresh cows per test dates, aggregating the data across 3-month periods is helpful.

For **2nd + lactation cows**, the report outlines the **Overall** infection rate which is a good general indicator of fresh cow mastitis. The **New** and **Chronic** infection rates are calculated by comparing the 1st test SCC in the current lactation with the last SCC from the previous lactation. These, along with clinical mastitis event recording, are good monitors of the dry cow program as well as the calving/post-calving management. **For herds considering or already implementing a reduction in antibiotic use at dry-off time (Selective Dry Cow Antibiotic Therapy), monitoring infection rates and clinical mastitis events in early lactation is critical for evaluating the impact of any changes to protocols.**

For 1st lactation cows, only the **Overall** infection rate is reported, as there are no previous lactations for comparison.

Goals to target for each parameter reported are based on what is generally accepted and validated as reasonable, achievable targets. These goals also correspond approximately to the 75th percentile of performance based on 2018/2019 Canadian data (see backside). In other words, the goals correspond to what the top 20-30% of herds are currently achieving across the different regions of Canada.

We encourage you to **review the information in this new Udder Health report with your herd veterinarian** and discuss opportunities and an action plan for improvements.

If you have any questions, do not hesitate to discuss with your Lactanet field staff or contact us at 1-800-549-4373.

Fresh Cow Udder Health

Benchmarks by region for 12 Months ending June 30, 2019.

Based on Somatic Cell Counts at a cut point of 200,000



Herd Level % Infections — Minimum of 10 cows contributing

2nd+ Lactation — Overall Fresh Infections

General Goal <15%

Of all fresh cows, % with SCC >200 on 1st test within 5-50 DIM. Good general indicator of fresh cow udder infection status.

	Canada	Atlantic	Quebec	Ontario	Prairies	BC
Average	23.3	22.5	22.0	25.3	24.6	20.0
25th Percentile	30	28	28	32	30	25
50th Percentile	22	22	21	24	23	18
75th Percentile	16	16	14	17	18	13
90th Percentile	11	10	10	12	13	8
# of herds	6,444	299	3,119	2,278	524	224

2nd+ Lactation — New Fresh Infections

General Goal <10%

Of only the fresh cows that were healthy prior to dry off (SCC < 200 at last test within 50 days pre dry), % >200 on their first test 5-50 DIM. Indicates cows that were healthy and got infected during the dry period or at calving/shortly after. Good monitor of dry program, including selective dry cow therapy, and calving/post calving management.

	Canada	Atlantic	Quebec	Ontario	Prairies	BC
Average	18.4	18.2	17.0	20.1	20.3	16.8
25th Percentile	24	24	22	26	25	22
50th Percentile	17	18	16	19	19	16
75th Percentile	11	12	10	13	15	11
90th Percentile	7	7	6	8	10	7
# of herds	6,125	289	2,947	2,163	508	218

2nd+ Lactation — Chronic Fresh Infections

General Goal <5%

Of only the fresh cows that had a SCC value at last test within 50 days pre dry, % with SCC >200 at last test AND still > 200 on 1st test 5-50 DIM. Good monitor of dry cow program and/or untreatable chronic infections.

	Canada	Atlantic	Quebec	Ontario	Prairies	BC
Average	10.2	9.1	9.8	11.2	9.8	6.9
25th Percentile	14	12	14	15	13	9
50th Percentile	9	8	8	10	9	6
75th Percentile	5	4	5	6	5	3
90th Percentile	2	2	2	3	3	0
# of herds	6,327	294	3,051	2,246	516	220

1st Lactation — Overall Fresh Infections

General Goal <10%

Of fresh 1st lactation cows, % with SCC >200 on 1st test within 5-50 DIM. Good general indicator of fresh cow udder infection status.

	Canada	Atlantic	Quebec	Ontario	Prairies	BC
Average	15.7	15.0	13.4	18.5	17.1	13.8
25th Percentile	21	20	19	24	22	18
50th Percentile	14	14	12	17	16	13
75th Percentile	9	9	7	11	11	8
90th Percentile	5	4	0	7	7	5
# of herds	5,730	272	2,642	2,097	507	212

NAME

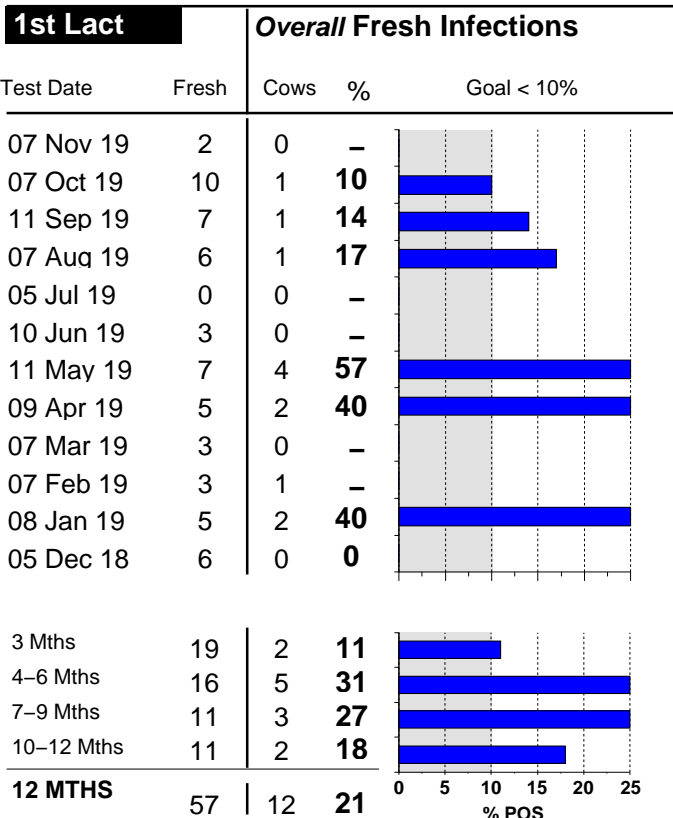
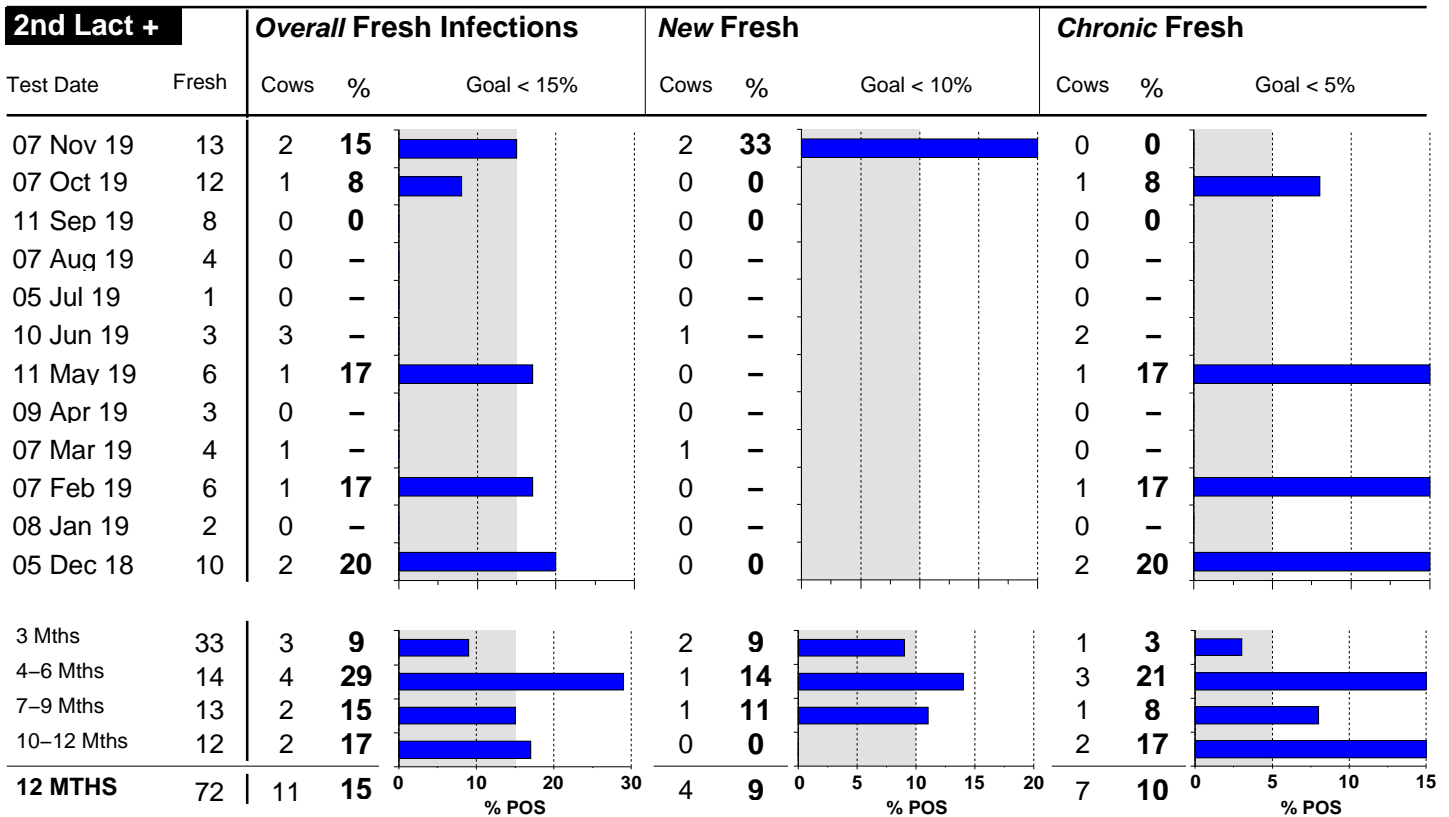
HERD NUMBER
ON

PAGE
1 of 1

TEST DATE
07 Nov 2019

SERVICE
P12AP

EXAMPLE SMALLER HERD



Fresh = Cows whose first test that has a SCC is also between 5-50 DIM. A minimum 5 fresh cows with SCC is required for % pos display and graph.

Overall = of all fresh cows, # and % with SCC > 200. Good general indicator of fresh cow udder infection status.

New = of only the fresh cows that were healthy prior to dry off (SCC < 200 at last test within 50 days pre dry), # and % > 200 on their first test 5-50 DIM. Indicates cows that were healthy and got infected during the dry period or at calving/shortly after. Good monitor of dry program, including selective dry cow therapy, and calving/post calving management.

Chronic = of only the fresh cows that had a SCC value at last test within 50 days pre dry, # and % with SCC > 200 at last test AND still > 200 on 1st test 5-50 DIM. Good monitor of dry cow program and/or untreatable chronic infections.

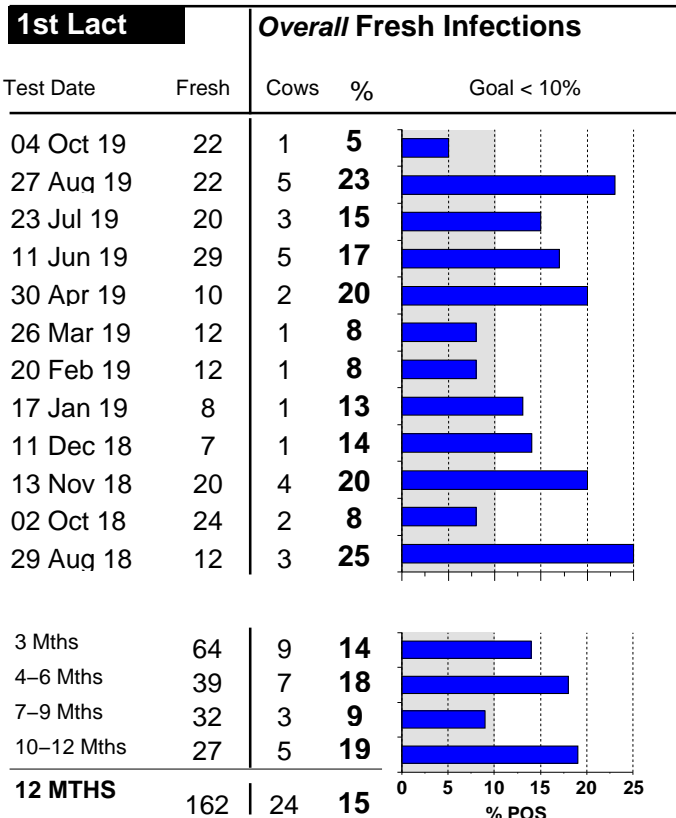
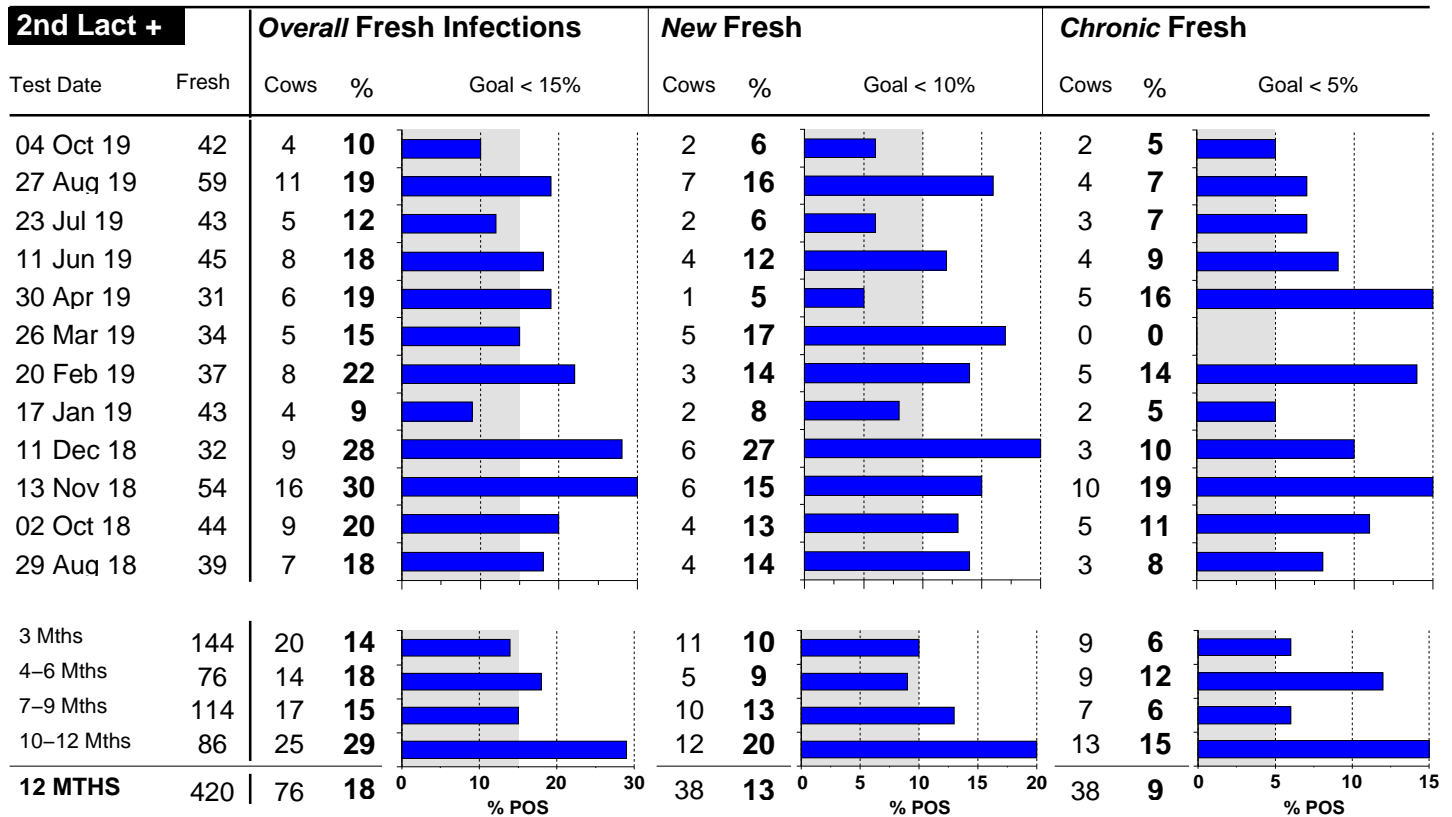
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 HERD NUMBER
ON

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 TEST DATE
04 Oct 2019

EXAMPLE LARGER HERD

 SERVICE
P10AP


Fresh = Cows whose first test that has a SCC is also between 5–50 DIM. A minimum 5 fresh cows with SCC is required for % pos display and graph.

Overall = of all fresh cows, # and % with SCC > 200. Good general indicator of fresh cow udder infection status.

New = of only the fresh cows that were healthy prior to dry off (SCC < 200 at last test within 50 days pre dry), # and % > 200 on their first test 5–50 DIM. Indicates cows that were healthy and got infected during the dry period or at calving/shortly after. Good monitor of dry program, including selective dry cow therapy, and calving/post calving management.

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[Back to SCC200 website](#)