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Industry Update

Event Updates

Due to Covid-19 and restrictions placed on large events, many planned events have been cancelled or moved to virtual platforms. This includes the Western Canadian Dairy Seminar, which will be online in 2021. You can learn more about the WCDS at: <https://wcds.ualberta.ca/>.

Production

Production in the Western Milk Pool continues to come in to line due to restrictions in place across the four western provinces and further balance in the market. While effects from the Covid-19 pandemic are still felt in the industry, some stability has been found to allow for a more predictable and measured approach.

In Saskatchewan specifically, dairy farmers have mostly come into line with current restrictions, which are sitting at Quota +1 day for July.

The effort put forth by dairy farmers in the province has resulted in quick mitigation of issues experienced at the beginning of the pandemic. Markets continue to stabilize, meaning further stability for dairy farmers.

Dairy Farmers of Canada and provincial milk boards continue to monitor the impact of CUSMA, which came into effect on July 1, 2020. While the full impact of this trade agreement remains to be seen, as a result of this trade agreement and others, Canada will have outsourced the equivalent of 18% of domestic dairy production to foreign countries by 2024. Dairy Farmers of Canada has published a news release concerning these trade agreements and their impacts on dairy farmers, which you can read here: <https://dairyfarmersofcanada.ca/en/when-promises-are-no-longer-enough>.

Reminders

We recommend producers review the protocol and required paperwork for quota transfers, leases, and the quota exchange (available here: <http://www.saskmilk.ca/for-farmers/forms/>).

Ballots for the SaskMilk byelection have been mailed to producers. The byelection voting closes on August 5th, 2020. Please refer to your election package for voting instructions.

From DFC

DairyTrace Now Set for Fall Implementation Following CFIA Approval

Lactanet Canada and Dairy Farmers of Canada (DFC) have announced that DairyTrace, the much-anticipated national dairy cattle traceability program will become a reality in the fall of 2020, providing a single, common framework for dairy farmers to track animal identity and movements. The announcement follows a separate, related communication from the Canadian Food Inspection Agency (CFIA), recognizing Lactanet Canada as the national administrator responsible for dairy bovine animals under Part XV of the Health of Animals Regulations.

"Providing protection and peace of mind to consumers is vital, and when it is fully implemented, DairyTrace will provide a high-quality, national dairy cattle traceability system that takes our industry's efforts to the next level," says Gert Schrijver, dairy producer and Chairman of Lactanet's DairyTrace Advisory Committee. "The launch of DairyTrace will be a pivotal milestone for dairy producers, as it will provide the data management infrastructure needed to provide – for the first time – a true, pan-Canadian picture of the movements of dairy cattle."



DairyTrace takes advantage of existing structures, systems and solutions within the Canadian dairy cattle sector, which has the significant benefits of efficiency, cost effectiveness and timely implementation towards the targeted timeline as defined with proAction®.

Under federal regulations and/or proAction® requirements, everyone who owns or has the possession, care or control of dairy cattle must report animal identity, movement, location, and custodianship information. Lactanet and DFC have been working collaboratively since 2016 towards the common vision of a national dairy cattle traceability program. By harmonizing data under a common, national framework, DairyTrace will promote information sharing and potentially add value to research and genetics initiatives, all while aligning with the traceability module of DFC's proAction® program.

DairyTrace will be managed by Lactanet's Board of Directors, with input and collaboration from DFC. DairyTrace takes advantage of existing structures, systems and solutions within the Canadian dairy cattle sector, including partnerships with Agri-Traçabilité Québec (ATQ) and Holstein Canada, which provides benefits in terms of efficiency, cost effectiveness and timely implementation:

- ATQ has expertly led the livestock traceability program in Québec for over 18 years. ATQ will be hosting, supporting, and transferring data to the DairyTrace system and will continue to provide its well-established services to Québec producers via SimpliTRACE.
- Outside Québec, dairy producers will continue to purchase dairy bovine tags via the National Livestock Identification for Dairy (NLID) program, which will now be dovetailed alongside DairyTrace customer services. Both will be offered from Holstein Canada.

Lactanet and DFC acknowledge and express appreciation to CFIA, as well as for the financial support provided by Agriculture and Agri-Food Canada through its Canadian Agricultural Partnership (CAP) program.

For more information, visit: <https://dairyfarmersofcanada.ca/en/dairytrace-now-set-fall-implementation-following-cfia-approval>

Who Should I Call?

Who at the SaskMilk office should producers call? Here's a handy guide!

| <i>For...</i> | <i>Call...</i> | <i>At...</i> |
|---|------------------|--------------|
| <ul style="list-style-type: none"> ➤ Sponsorship Requests ➤ Donation Requests ➤ Dairyanna's Costume and Events ➤ School Milk Program ➤ Nutrition Resource Ordering | Anita Medl | 306-721-9483 |
| <ul style="list-style-type: none"> ➤ Quota Exchange and Private Quota Transfers ➤ Transfer Credits ➤ Security Applications ➤ Estimates for production ➤ Name Changes ➤ Designation of Signing Authority ➤ Monthly production numbers for producers ➤ Producer information for lending institutions ➤ Passwords for quota management sheet access | Bev Solie | 306-721-9488 |
| <ul style="list-style-type: none"> ➤ Producer statements ➤ Banking info for direct deposit of milk pay ➤ Milk pick-up issues –variances in volumes, planning to quit shipping, etc. | Darlene Weighill | 306-721-9491 |
| <ul style="list-style-type: none"> ➤ On Farm- licensing, facilities, equipment, driveways, yards, animal care ➤ Lab testing results ➤ Bulk truck drivers- licensing, complaints/issues ➤ Bulk tank calibrations ➤ Pro Action- Food Safety (CQM), Animal Care, Traceability, Biosecurity, Environment | Deb Haupstein | 306-721-9486 |
| <ul style="list-style-type: none"> ➤ Monthly milk prices paid to producers ➤ Provincial & National production updates | Doug Miller | 306-721-9485 |
| <ul style="list-style-type: none"> ➤ Adding, editing information on Producer Transfer Credit List | Jenn Buehler | 306-721-9492 |
| <ul style="list-style-type: none"> ➤ Media or news stories <i>or</i> if you have been contacted by any media agency or reporter ➤ Trade agreements, international trade updates ➤ DEAP policy/program enquiries ➤ Research enquiries or proposals | Joy Smith | 306-721-9482 |
| <ul style="list-style-type: none"> ➤ Social media enquiries (Twitter, Instagram, Facebook) ➤ Website enquiries ➤ Newsletter advertising ➤ Dairy Conference | Julie Ell | 306-721-9493 |



HOW TO INCREASE BUTTERFAT

Energizer RP-10

Energizer RP10 is the premium dairy fat for use in a nutritional strategy for boosting milk fat and ensuring good body condition. It's a pure fat, free from carriers and trans-fatty acids. High in C16, flake form and independently proven research completed.

Offering introductory pricing for the month of July & August.

1 Pallet at \$1.92/KG or 4+ for \$1.90/KG

Available to current customers with a minimum 3 pallet order of ANY ProFarm products

| Quantity | Size | Price | Intro Offer |
|------------------------|----------|-----------------|-----------------------------|
| Per KG | 1KG | \$1.97 | 1.92 |
| Per Bag | 25KG | \$49.25 | \$48.00 |
| Pallet (50 Bags) | 1250KG | \$2462.50 | \$2400.00 |
| Container (20 Pallets) | 25,000KG | Call to Discuss | Call to Discuss (available) |

*Delivery available in Saskatoon area free of charge (3 or more pallets)

Ask us about our "economics sheet" to calculate the value on your farm today!

ProFarm is now conveniently located at **4002 Arthur Rose Avenue.**

Great truck access and more inventory!

We are happy to announce we now offer free delivery in the surrounding Saskatoon area weekly.

Want to get monthly updates on pricing and deals?

Text: 306-241-2185 with your name and farm name . We will be sending out 1 or 2 texts/month to help you make your buying decisions.

*Ask about our Grober Milk Replacer intro pricing



@PROFARMCANADA
WWW.PROFARM.CA
306-380-6375

Supporting Growth for the Modern Farmer

QUOTA EXCHANGE

The market-clearing price established for the July 2020 Quota Exchange was **\$36,000.00**.

The next Quota Exchange will be held on **August 15, 2020**. All offers to sell and bids to purchase quota through the Quota Exchange must be received at the SaskMilk office by midnight, **August 6, 2020**. SaskMilk recommends that offers and bids be submitted well in advance of the deadline date to ensure adequate time for corrections, if necessary.

When making bids on the Quota Exchange, the price on offers to sell quota is the minimum price that the producer is prepared to accept for that quota. Only if the market-clearing price is equal to or greater than the producer's minimum price will that producer qualify for participation in the Exchange. Conversely, the price on offers to purchase quota is the maximum price that the producer is prepared to pay for that quota. Only if the market-clearing price is equal to or less than the producer's maximum price will that producer qualify for participation in the Exchange. The clearing price is set at the price where the smallest difference exists between the accumulated volume offered for sale and the accumulated volume bid to purchase. The results of the Quota Exchange are outlined in the following Table.

JULY 2020 QUOTA EXCHANGE RESULTS

| | |
|--|---------------------|
| Market Clearing Price per kilogram of butterfat | \$ 36,000.00 |
| Daily Kilograms offered to Purchase | 15.00 |
| Kilograms offered to Sell | 91.66 |
| Kilograms sold | 5.00 |
| Number of Producers | |
| - offered to purchase | 2 |
| - purchased quota | 1 |
| - offered to sell | 7 |
| - sold quota | 2 |

JULY 2020 QUOTA EXCHANGE CLEARING PRICE RESULTS

| Price (\$/daily kg b.f.) | No. of Sellers | Cumulative Sellers | Daily Kgs b.f. offered for sale | Cumulative sales | Cumulative Sales less Cumulative purchases | Cumulative purchases | Daily Kgs b.f. offered to purchase | Cumulative bidders | No. of buyers |
|--------------------------|----------------|--------------------|---------------------------------|------------------|--|----------------------|------------------------------------|--------------------|---------------|
| \$35,500.00 | 0 | 0 | 0.00 | 0.00 | -15.00 | 15.00 | 10.00 | 2 | 1 |
| \$36,000.00 | 2 | 2 | 5.57 | 5.57 | 0.57 | 5.00 | 0.00 | 1 | 0 |
| \$39,500.00 | 1 | 3 | 20.14 | 25.71 | 20.71 | 5.00 | 0.00 | 1 | 0 |
| \$39,900.00 | 3 | 6 | 45.95 | 71.66 | 66.66 | 5.00 | 0.00 | 1 | 0 |
| \$40,200.00 | 0 | 6 | 0.00 | 71.66 | 66.66 | 5.00 | 5.00 | 1 | 1 |
| \$41,000.00 | 1 | 7 | 20.00 | 91.66 | 91.66 | 0.00 | 0.00 | 0 | 0 |

* Please contact Bev Solie at 306-949-6999 for inquiries dealing with quota management sheets, the Quota Exchange, for transfer credits, or with any other quota transactions.

TRANSFER CREDIT SUMMARY REPORT

| MONTH | # OF PRODUCERS TRANSFER IN | # OF PRODUCERS TRANSFER OUT | TOTAL KGS BUTTERFAT |
|---------------|-------------------------------|--------------------------------|------------------------|
| June, 2019 | 22 | 21 | 15,814 |
| July | 24 | 24 | 13,461 |
| August | 27 | 27 | 18,297 |
| September | 29 | 29 | 20,166 |
| October | 24 | 24 | 15,246 |
| November | 32 | 32 | 23,235 |
| December | 26 | 26 | 15,625 |
| January, 2020 | 27 | 27 | 18,191 |
| February | 26 | 26 | 14,525 |
| March | 17 | 17 | 7,531 |
| April | 10 | 10 | 6,670 |
| May | 6 | 6 | 3,000 |
| June | 8 | 8 | 8,328 |

PRIVATE TRANSFERS PROCESSED

| MONTH | DAILY KILOGRAMS |
|---------------|-----------------|
| June, 2019 | 35.00 |
| July | 158.51 |
| August | 55.00 |
| September | 5.10 |
| October | 32.00 |
| November | 34.80 |
| December | 122.55 |
| January, 2020 | 60.00 |
| February | 0.00 |
| March | 0.00 |
| April | 232.64 |
| May | 49.00 |
| June | 164.00 |

OVER QUOTA (OVER 5 DAYS)

REPORT BY MONTH

| MONTH | # OF PRODUCERS | KGS BUTTERFAT |
|---------------|-------------------|------------------|
| June, 2019 | 14 | 2,559 |
| July | 7 | 1,148 |
| August | 4 | 898 |
| September | 4 | 484 |
| October | 4 | 750 |
| November | 3 | 291 |
| December | 6 | 1,257 |
| January, 2020 | 8 | 1,275 |
| February | 7 | 1,360 |
| March | 11 | 1,008 |
| April | 7 | 1,286 |
| May | 4 | 764 |
| June | 3 | 190 |

OVER QUOTA (Spring Restriction)

REPORT BY MONTH

| MONTH | # OF PRODUCERS | KGS BUTTERFAT |
|----------------|-------------------|------------------|
| March | 25 | 3,304 |
| Quota + 2 days | | |
| April | 35 | 4,059 |
| Quota + 0 days | | |
| May | 34 | 2,973 |
| Quota + 0 days | | |
| June | 15 | 954 |
| Quota + 1 day | | |

*The Spring Restriction Policy restricts production to a maximum of the production unit's monthly quota plus an established limit. Any production above that is deemed overproduction.

SUMMARY REPORT OF CREDITS JUNE 2020 – 162 PRODUCERS

| DAYS | # OF PRODUCERS | POSITIVE CREDITS ACCUMULATED (KGS OF BUTTERFAT) |
|------------|----------------|---|
| + 5 | 3 | 1,892 |
| 0 to + 5 | 32 | 9,510 |
| TOTAL | 35 | 11,402 |
| DAYS | # OF PRODUCERS | NEGATIVE CREDITS ACCUMULATED (KGS OF BUTTERFAT) |
| -15 | 8 | 13,191 |
| -10 to -15 | 26 | 59,584 |
| -5 to -10 | 42 | 69,064 |
| 0 to -5 | 51 | 27,450 |
| TOTAL | 127 | 169,289 |

LOST OPPORTUNITY REPORT

| MONTH | # OF PRODUCERS | LOST OPPORTUNITY (KGS OF BUTTERFAT) |
|-------------------|----------------|-------------------------------------|
| June, 2019 | 3 | 1,719 |
| July, 2019 | 6 | 2,220 |
| August, 2019 | 5 | 1,883 |
| September, 2019 | 6 | 450 |
| October, 2019 | 5 | 1,398 |
| November, 2019 | 5 | 1,253 |
| December, 2019 | 5 | 1,026 |
| January, 2020 | 3 | 1,374 |
| February, 2020 | 3 | 1,183 |
| March, 2020 | 1 | 648 |
| April, 2020 | 4 | 1,416 |
| May, 2020 | 9 | 2,479 |
| June, 2020 | 8 | 3,531 |

WEIGHTED AVERAGE COMPONENT TESTS & PRICES JUNE 2020

| Components | Average Test | Price per kilogram Class 1 to 5 |
|--------------|--------------|---------------------------------|
| Butterfat | 4.1127 | 16.973040 |
| Protein | 3.1910 | 2.573616 |
| Other Solids | 5.9010 | 0.695841 |

The average butterfat price received per kilogram was \$19.97.

SASKATCHEWAN MILK POOL RESULTS JUNE 2020

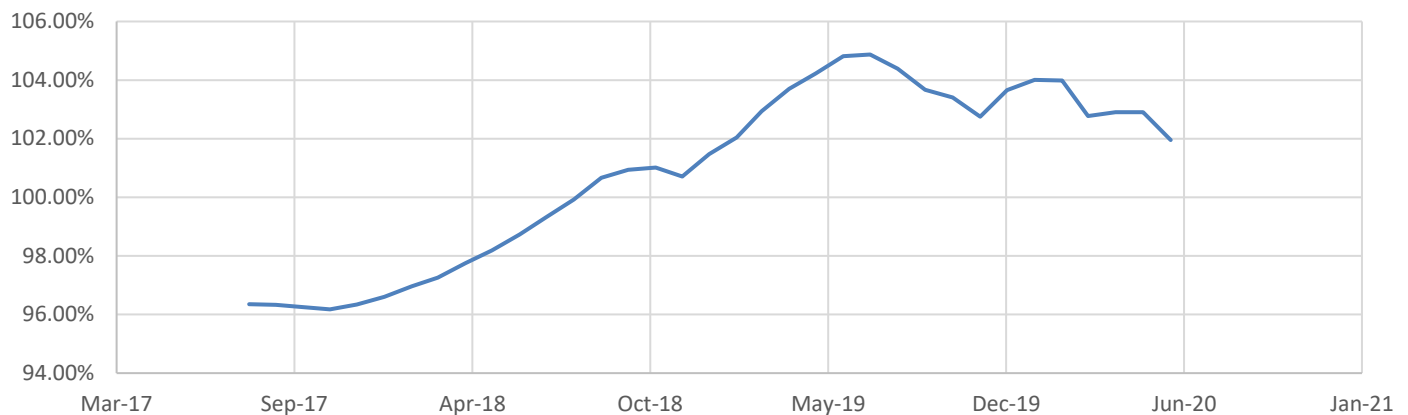
| | |
|-------------------------|------------------------|
| Milk Sale Revenue | \$19,519,723.00 |
| WMP Revenue | \$326,740.67 |
| Total Pool Value | \$19,846,463.67 |

In June, Saskatchewan had a monthly CDC allocation of **1,023,586 kilograms** of butterfat. In the month of June, Saskatchewan production was **32,682 kgs** of butterfat **under** and cumulatively **over** by **619,034 kgs** of butterfat. On a percentage basis, Saskatchewan is **5.09% above** our CDC allocation flexibility limits based on the Continuous Quota model. The -2.00% lower flexibility limit is in effect.

| | (1) Monthly Total Production Kgs bf | (2) Total Monthly CDC Quota Allocation Kgs bf | (3) Monthly Over or (Under) Production Kgs bf col. 1 – 2 = 3 | (4) Lower Flexibility Limit -2.00% Kgs bf col. 8 * -1.5% | (5) Upper Flexibility Limit 1.25% Kgs bf col. 8 *1.0% | (6) Cumulative Over or (Under) Production with limits Kgs bf | (7) Cumulative Over or (Under) Production with limits (%) col. 6 / 8 | (8) Rolling 12 Month Total Quota Kgs bf |
|---------------|---|--|--|---|--|--|---|--|
| Jun-19 | 1,002,199 | 921,880 | 80,319 | -235,031 | 146,894 | 190,292 | 1.62% | 11,751,546 |
| Jul-19 | 1,023,972 | 989,207 | 34,765 | -235,709 | 147,318 | 225,056 | 1.91% | 11,785,438 |
| Aug-19 | 1,038,800 | 1,078,644 | (39,844) | -237,795 | 148,622 | 185,212 | 1.56% | 11,889,763 |
| Sep-19 | 1,022,245 | 1,065,838 | (43,593) | -240,186 | 150,116 | 141,619 | 1.18% | 12,009,314 |
| Oct-19 | 1,082,691 | 1,143,505 | (60,814) | -242,523 | 151,577 | 80,805 | 1.07% | 12,126,134 |
| Nov-19 | 1,047,766 | 1,085,754 | (37,988) | -242,752 | 151,720 | 91,402 | 1.56% | 12,137,583 |
| Dec-19 | 1,088,248 | 1,063,255 | 24,993 | -242,958 | 151,849 | 214,717 | 1.77% | 12,147,887 |
| Jan-20 | 1,095,413 | 920,697 | 174,716 | -242,944 | 151,840 | 389,433 | 3.21% | 12,147,191 |
| Feb-20 | 1,001,524 | 899,946 | 101,578 | -243,932 | 152,458 | 491,011 | 4.03% | 12,196,610 |
| Mar-20 | 1,055,461 | 1,073,511 | (18,050) | -245,108 | 153,192 | 472,961 | 3.86% | 12,255,382 |
| Apr-20 | 970,693 | 865,580 | 105,113 | -241,673 | 151,046 | 578,074 | 4.78% | 12,083,667 |
| May-20 | 1,020,648 | 947,006 | 73,642 | -241,096 | 150,685 | 651,716 | 5.41% | 12,054,823 |
| Jun-20 | 990,904 | 1,023,586 | (32,682) | -243,131 | 151,957 | 619,034 | 5.09% | 12,156,529 |

- (1) Monthly Production in Saskatchewan
- (2) Total Monthly Quota = Class 1 sales + Monthly MSQ + Carry Forward
- (3) Difference between the monthly production (1) and the total monthly quota (2)
- (4) The Lower Flexibility Limit is -2.00% of Rolling 12 Month Total Quota (9)
- (5) The Upper Flexibility Limit is 1.25% of Rolling 12 Month Total Quota (9)
- (6) Previous Month Cumulative Over or (Under) Production + Current Monthly Over or (Under) Production (capped at lower or upper limit if applicable)
- (7) Equal to Column (6) expressed as a percentage basis within the flexibility limits
- (8) Total Monthly CDC Quota Allocation for the previous 12 months

SK Milk Production SK Position



INHIBITOR TEST STATIONS

SaskMilk has established a number of inhibitor test stations around the province. Producers needing to check their bulk tanks for inhibitors can take a sample to the test station closest to their location.

The test stations have the Charm Trio test strips available for testing. The Charm Trio test is the test that the plant uses. It tests for the following drugs:

| Beta-lactam Drug | Detection Level [†] (ppb*) | US Safe Level or Tolerance / Canadian MRL (ppb*) | Sulfa Drug | Detection Level [†] (ppb*) | US Safe Level or Tolerance / Canadian MRL (ppb*) |
|--|-------------------------------------|--|-------------------|-------------------------------------|--|
| Amoxicillin | 3.1 | 10 / None | Sulfadimethoxine | 4.7 | 10 / 10 [∞] |
| Ampicillin | 7.7 | 10 / 10 | Sulfamethazine | 7.7 | 10 / 10 [∞] |
| Ceftiofur and Metabolites [^] | 53 | 100 / 100 | Tetracycline Drug | Detection Level [†] (ppb*) | US Safe Level/Tolerance / Canadian MRL (ppb*) |
| Cephapirin | 14 | 20 / 20 | Chlortetracycline | 54 | 300 / 100 |
| Cloxacillin | 7.4 | 10 / None | Oxytetracycline | 66 | 300 / 100 |
| Penicillin G | 2.2 | 5 / 6 ^{&} | Tetracycline | 21 | 300 / 100 |

[†] Positive at least 90% of the time with 95% confidence.

* parts per billion or ng/mL

[^] Ceftiofur parent drug sensitivity is approximately 1/2 that reported in the table.

[&] Canadian MRL for penicillin G is 0.01 IU/ml, equivalent to 6 ppb.

[∞] Canadian MRL for sulfa drugs are singly or in combination with other MRL listed sulfonamides.

Test stations are located at the following locations:

1. Swift Current, SK - Agrifoods truck bay - 675 Cheadle Street West Office 306-773-1097 or Rodger Ruf 306-741-3261
2. Star City, SK - Star City Colony - Reuben Tschetter 306-921-9381
3. Grenfell, SK - Jim Ross 306-697-2232
4. Yorkton, SK - Ford Dairy Farms Inc. - Bud and Margaret Ford 306-782-7240
5. Saskatoon, SK – Agrifoods Truck Bay - east of the Saputo plant receiving bay lead hand – Mike V. or Mike K. 306-664-0202 after hours: 306-668-8135

Charm tests strips and Charm testers are now available for purchase through SaskMilk. Agrifoods is now carrying SNAP test kits for tetracyclines as well as beta lactams. For further information you can contact: Deb Hauptstein 306-721-9486

Linseed oil supplementation to dairy cows fed diets based on red clover silage or corn silage: effects on cow performance, cow methane production and methane emissions from stored manure

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Why is this important?

Agriculture is recognized as a contributor to climate change due to emissions of greenhouse gases (GHG). Cattle substantially contribute to agricultural GHG through production of methane (CH₄) gas in their digestive tract. Production of CH₄ is also a loss of productive energy for the animal. Therefore, decreasing CH₄ production in the animal may improve feed efficiency and productivity while also reducing GHGs. Feeding rumen-unprotected fat (fat that is broken down in the rumen rather than bypassing to the intestines) can decrease CH₄ emissions in dairy cows. Linseed is one of the most effective fat sources to reduce CH₄ production. However, the effectiveness of fat supplementation to reduce CH₄ emissions may vary with the type of forage fed. Additionally, these reductions may be counterbalanced by increased CH₄ emission from manure management. Two experiments were conducted to investigate the effects of linseed oil supplementation on dairy cows fed red clover silage or corn silage based diets. The objectives were to examine: 1) gut CH₄ production, digestion, ruminal fermentation, nitrogen excretion, milk production, and milk composition; and 2) CH₄ emissions of stored manure.

What did we do?

Twelve lactating Holstein dairy cows fitted with rumen cannulas were used in this study. They were fed a TMR ad libitum (60:40 forage:concentrate ration on a dry matter basis) based on either red clover silage or corn silage and supplemented or not with 4% linseed oil. This resulted in a total of four dietary treatments throughout the study. The amount (4%) of linseed oil added to the diet was based on current recommendations of a maximum supplementation level of 4% added fat to avoid reduction in feed intake and negative consequences on milk performance. Cows were milked twice daily with milk production recorded at each milking and samples collected. Researchers measured feed intake, rumen fermentation characteristics, digestibility, and nitrogen balance. Methane emissions were determined using 2 airflow-controlled chambers. All manure and urine was collected from the cows, mixed, and monitored for methane emissions.



What did we find?

When linseed oil was added to the corn silage-based diet, dry matter intake (DMI) decreased, digestibility decreased, milk fat and milk protein decreased by 23% and 9%, respectively, and CH₄ production decreased by 25% in grams/day. Milk yield was not affected when linseed oil was added to the corn silage-based diet but overall milk yield was decreased by 2 kg/day in the corn silage diet versus the red clover silage diet.

When linseed oil was added to the red clover silage-based diet the DMI did not change, digestibility increased, milk yield, milk fat and milk protein were unaffected and CH₄ production decreased by 9% in grams/day.

In the second experiment, there was no significant difference in the amount of volatile solids (VS; 6.6 kg/d) excreted by the animals. Manure from cows fed corn silage produced 54% more CH₄ per kg of VS than manure from cows fed red clover silage.



What does it mean?

The challenge with using fat to decrease CH₄ production is to lower emissions without impairing animal production. Milk yield was not affected by linseed oil supplementation regardless of the silage type used, but because of decreases in milk fat and milk protein yields, milk production (as measured by 4% fat-corrected milk and energy-corrected milk yields) could be considered decreased with linseed oil supplementation to the corn silage-based diet.

Supplementing the red clover silage-based diet with linseed oil reduced gut CH₄ emissions but increased manure CH₄ emissions, resulting in a net decline in total CH₄ emissions by 36 g/d. Supplementing the corn silage-based diet with linseed oil reduced gut CH₄ emissions but increased manure CH₄ emissions, resulting in a net decline in total CH₄ emissions by 100 g/d. Therefore, linseed oil supplementation to red clover silage- or corn silage-based diets reduced total CH₄ emissions (by 6 and 16%, respectively).

Meanwhile, compared with feeding the non-supplemented red clover silage-based diet, feeding cows the non-supplemented corn silage-based diet reduced slightly gut CH₄ emissions, but increased manure CH₄ emissions, resulting in a net increase in total CH₄ emissions by 42 g/d (+7%).

These results suggest that the gain achieved through dietary gut CH₄ mitigation may be offset by an increase of CH₄ emissions from stored manure.

Summary Points

- Addition of fat to the diet decreases CH₄ emissions but is dependent on the forage type fed in the diet
- Greater reductions in CH₄ production were seen in cows fed corn silage-based diets vs. red clover silage-based diets supplemented with linseed oil
- Gains achieved in CH₄ reduction through dietary means may be offset by increased CH₄ emissions from stored manure

SaskMilk Upcoming Promotional Events

Due to Covid-19, many events sponsored by SaskMilk have been postponed until Fall.

Advertising on radio and television is continuing.



Solving Your Recruitment Issues with Proactive Solutions



- ☞ Are you experiencing a shortage of labour in your farm?
- ☞ Are you struggling with your hiring structure?
- ☞ Are you having hard time finding a qualified candidate with a long-term commitment?

As a recruitment expert that specialize in Agriculture industry, we can help! Please contact Greentech Resources Ltd. at farm@greentechresources.ca or phone number at 306-550-4819 or visit our website at www.greentechresources.ca/farming/ for more information!

Code of Practice

4.7 Extra Teat Removal

Supernumerary (also referred to as extra, sprig or web) teats may be found as extensions of a primary teat, between the front and rear teats, and behind the rear teats. Supernumerary teats are a concern for two reasons:

- they may be connected to the primary teat, posing a risk for leakage or entry for infection
- they may interfere with machine milking.

Supernumerary teats found behind the rear teats are the most common and may produce and leak milk. Supernumerary teats between front and rear teats are less common and seldom pose a problem.

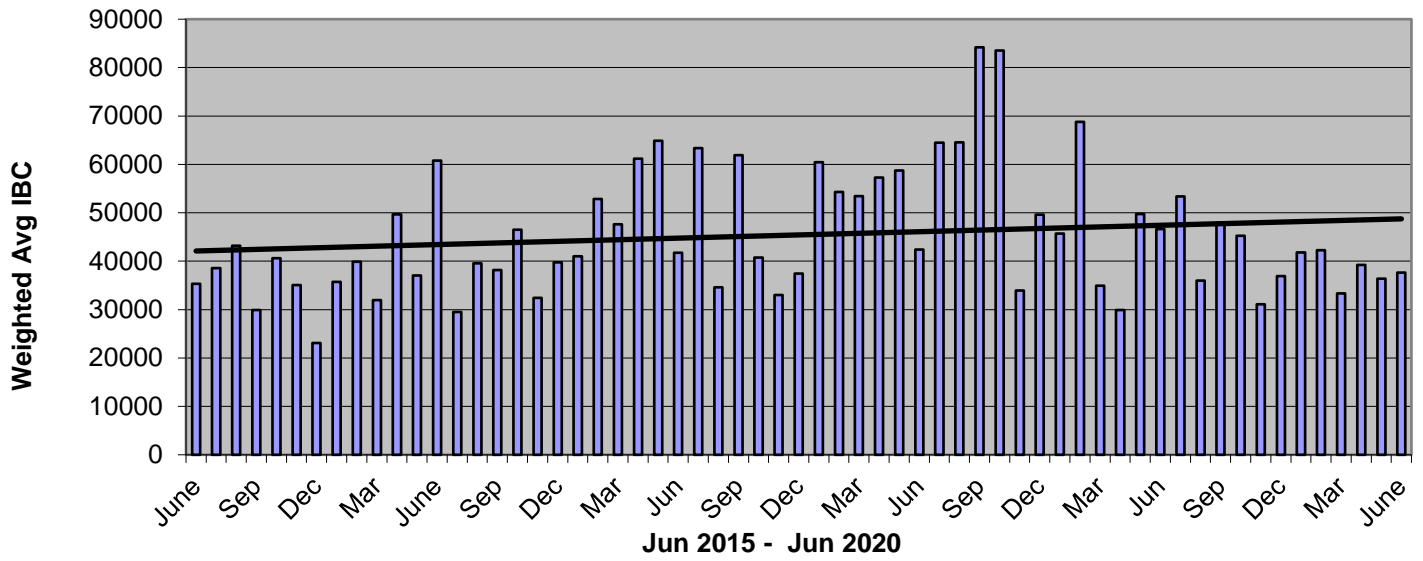
REQUIREMENTS

Teat removal must be performed by trained personnel.

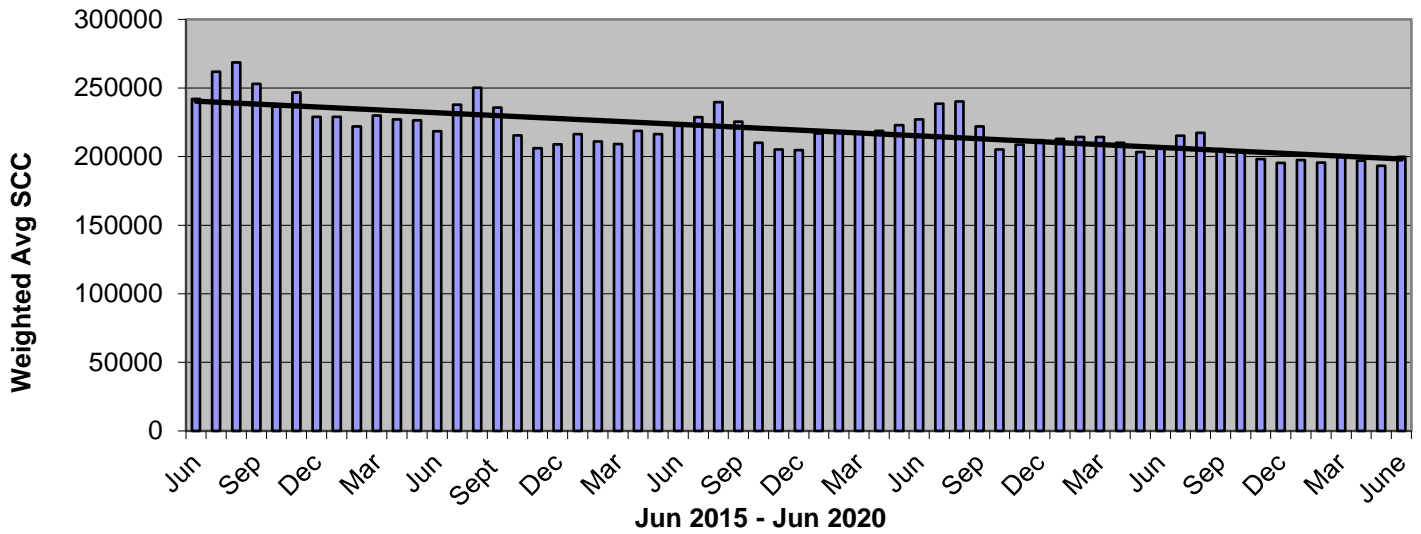
RECOMMENDED BEST PRACTICES

- a. remove extra teats as soon as they can be identified
- b. pain control should be used when removing extra teats (e.g., at the same time as dehorning)
- c. use proper equipment and veterinary techniques
- d. control bleeding.

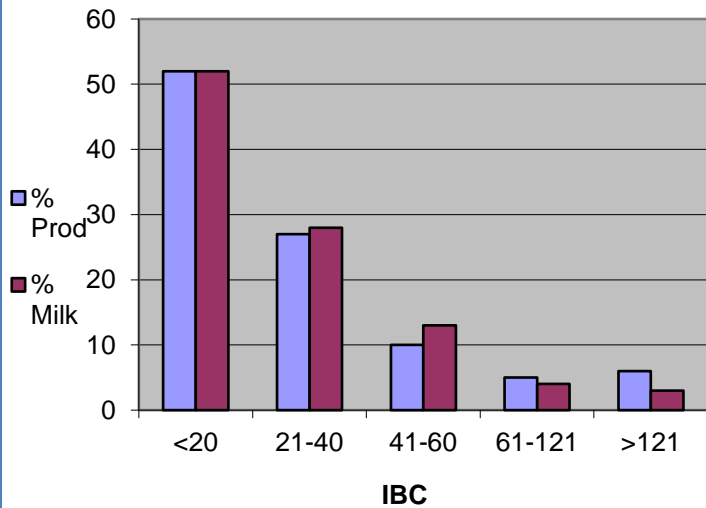
Monthly Weighted Average IBC



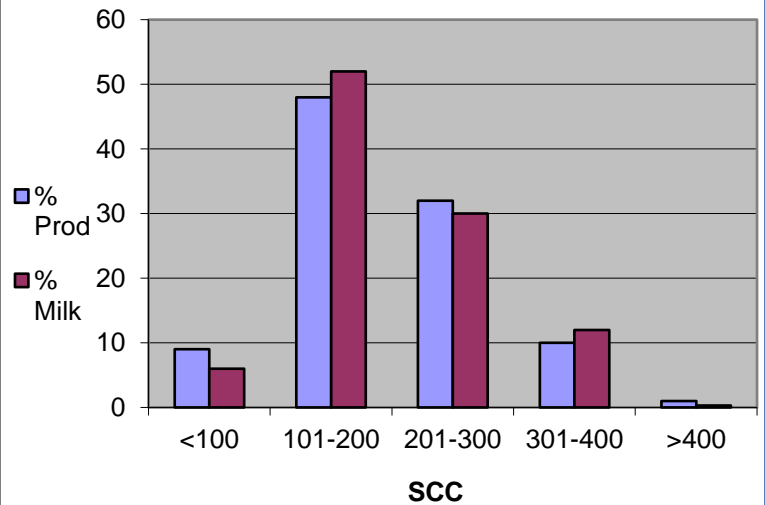
Monthly Weighted Average SCC



Jun 2020



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QUOTA LISTING or CLASSIFIED AD SERVICE

SaskMilk offers a free quota listing service as part of its Newsletter. Anyone wishing to sell or purchase quota, cows or miscellaneous dairy equipment is welcome to contact the SaskMilk office at (306) 949-6999. All prices and negotiations will be independent of SaskMilk. **Please note that ads will be posted in two issues and will then be removed unless SaskMilk is notified otherwise.**

CLASSIFIEDS

Dairy barn for rent. 50 cow tie-stall barn for rent. Fully equipped with milking equipment. Available September 1st. **Call or text (306) 220-0890**

New start up looking for 10 kgs quota.
Please call or text Sheldon (306) 841-7485

Reminder!

The deadline date for Quota Transfer, Quota Exchange, and 10% Transfer Limit Exemptions is the 6th of each month

Your Quota Transfer, and 10% Exemption Applications must be received on or before the 6th of the month in order to be effective the 1st of the following month

Quota Exchange forms must be received in the SaskMilk office on or before the 6th of the month for that month's Exchange

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