

Canadian Sheep Federation Executive Director’s Report Winter 2023

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Action Items from winter 2023 Board meetings

Are you looking for up-to-date information about the Canadian Sheep Federation’s current initiatives? Our Board of Directors are briefed monthly on our key activities. Reach out to your appointed CSF Director with questions.

Program Updates

Canadian Sheep Identification Program (CSIP) and Traceability

The [Canadian Sheep Identification Program \(CSIP\)](#) is Canada’s mandatory, national sheep identification program. First introduced into regulations in 2004, CSIP was the first step in the development of a traceback system that will lead to a full-scale traceability system. A fulsome traceability system will help mitigate the spread of livestock diseases, support rapid disease response, address producer concerns about sheep health, provide valuable management feedback to producers, and meet consumer expectations for quality assurance and food safety. CSIP requirements for identifying sheep and recording and reporting certain animal movement/disposal information have remained largely unchanged since they were first introduced in 2004. New technologies in animal identification have been incorporated into the program over the years as we work to modernize the system. The

next round of traceability regulations has been in consultation since 2013. These incoming regulations will include requirements that track sheep, premises where sheep reside, and vehicles that transport animals as sheep move through the value chain. Not only will these regulations increase the amount of work required by farms to collect and report data, but they will also expand the scope of those involved in traceability reporting. The Canadian Sheep Federation is the national industry lead for traceability. We remain committed to ensuring that CSIP and future traceability regulations are affordable, flexible, and effective. To stay up to date on CSIP requirements and incoming traceability regulations, be sure to visit our website at www.cansheep.ca and follow our Facebook page @cansheep.ca.

Here are your winter CSIP and traceability updates:

- The Canadian Sheep Federation received funding in January from AAFC's AgriAssurance Program to carry out the Traceability Readiness Assessment Project. Project funding will cover project-related activities dating back to October 2022 and until the project ends on March 31st. Project activities will focus on 3 key deliverables:
 - AgroLedger user readiness testing – Early adopters will use and test the AgroLedger technology, assessing its readiness to accept regulated data.
 - Stakeholder Engagement – A series of industry meetings will take place, updating sheep industry organizations of pending regulatory amendments, and seeking support for the CSF's Responsible Administrator Proposal.
 - Consultation Planning – Development of a national strategy for engaging sheep producers and industry stakeholders in the consultation on future TRACE regulations.
- As part of the TRAP work plan, the CSF has met with sheep industry associations across Canada to discuss a proposal the organization submitted to the Canadian Food Inspection Agency to become recognized as the Canadian Sheep Identification Program Responsible Administrator. This move would see the sheep industry managing its own traceability system, directing program activities with recommendations from a revitalized CSIP Working Group. The proposal would see the current program fees reinvested fully in the sheep industry, with a goal of improving the program and traceability. Key Proposal elements shared with industry associations during the presentations would see:
 - AgroLedger implemented as the industry's TRACE information management system
 - Maintenance of the industry's tag distribution network
 - The industry leading program development, facilitated by the CSF with input from industry by way of a revitalized CSIP Working Group
 - A dedicated program manager, full-time customer support staff and ongoing technical support for users
 - Reinvestment in program improvements
 - A trace program that protects the industry in times of disease outbreak
 - The realization of value-added traceability
- On March 18th, the Canadian Food Inspection Agency published proposed regulations amending the Health of Animals Regulations as they relate to Animal Identification and Traceability, in Canada Gazette, Part I. There will be a 90-day consultation period on the proposed regulations, during which time stakeholders can provide feedback and comments. The CFIA will host one sheep producer and owner specific webinar in each official language, on March 31st, 2023. In addition to the CFIA-led webinar, the CSF is planning a series of town hall meetings for

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producers, to provide information about the regulations and collect feedback from industry. Stay tuned for more information about the town hall series. More information about the consultation, including how to comment on the proposal and links to register for webinars are available on the Government of Canada consultation page: <https://inspection.canada.ca/about-cfia/transparency/consultations-and-engagement/identification-and-traceability/eng/1672954519322/1672954519869>.

- Webinar – Sheep producers and owners English session – March 31, 2023 from 12 p.m. to 1 p.m. (EDT):
https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjZmMjNhZWItM2VhMC00OTUxLWJkM2EtMGM3NTA3YTcyNDIx%40thread.v2/0?context=%7b%22Tid%22%3a%2218b5a5ed-1d86-41d3-94a0-bc27dae32ab2%22%2c%22Oid%22%3a%22734c84ac-5a3b-4147-9be8-161f6a9c7e72%22%7d Meeting ID: 293 306 602 176 Passcode: DpDgHY
- The following guidance document that accompanies proposed traceability regulations was created by the CFIA specifically for sheep producers and owners. A pdf copy of the document, along with similar guidance documents for other species groups and operation types can be found on the TRACE consultation page in the link above.

LIVESTOCK TRACEABILITY REGULATORY REQUIREMENTS | SHEEP PRODUCERS AND OWNERS

This guide for livestock producers and owners provides an overview of the proposed federal livestock identification and traceability requirements. It is to help regulated parties understand the proposed amendments to the Part XV *Health of Animals Regulations* (Identification and Traceability). It is not a substitute for the law. Provincial and territorial requirements may also apply.

This guide supports the objective of the national Livestock Identification and Traceability Program, which is to provide accurate and up-to-date livestock identity, movement and location information in order to mitigate the impact of disease outbreaks, food safety issues and natural disasters.

■ = New proposed regulatory requirements

PREMISES IDENTIFICATION

WHAT TO DO?		TIME LIMIT
Obtain a premises identification number.	<p>Obtain a premises identification number from your provincial or territorial premises program authority. Refer to the Premises Identification Website for instructions.</p> <p>Premises identification information must be kept up to date with your provincial or territorial premises program authority.</p>	-
Report the premises identification number.	When you purchase approved indicators and/or report information related to livestock identification or movements, you must report the premises identification number of your site.	-
Site does not have a premises identification number.	<p>If you are required to report the premises identification number of your site and you do not have one, you must report to the responsible administrator the following information:</p> <ul style="list-style-type: none"> The legal description of the site Your name and telephone number A list of the animal species present at the site The type of agriculture operation <p>You must report any changes to the premises identification information to the responsible administrator.</p>	Within 7 days of the change.

ANIMAL IDENTIFICATION

WHAT TO DO?		TIME LIMIT
Identify the sheep.	<p>Approved indicators must be applied to animals as described on the list of approved indicators. Refer to the Proposed document to be incorporated by reference - Approved animal indicators for all details.</p> <p>Sheep must be identified with an approved indicator before they leave their farm of origin.</p> <p>The exceptions are as follows:</p> <ul style="list-style-type: none"> Sheep or sheep carcasses that have been seized by an authority or have been abandoned Sheep that must be urgently evacuated from a site When the morphology of sheep or sheep carcasses does not allow for the application of an approved indicator 	Before sheep leave the farm of origin.

LIVESTOCK TRACEABILITY REGULATORY REQUIREMENTS | SHEEP PRODUCERS AND OWNERS

ARRIVAL OF SHEEP AT YOUR SITE

WHAT TO DO?		TIME LIMIT
Report the arrival of sheep.	<p>When sheep arrive at your site, you must report the following information to the responsible administrator:</p> <ul style="list-style-type: none"> The premises identification number of the departure site* The premises identification number of your site The date and time the sheep left the departure site* The date and time the sheep arrived at your site The identification number on the approved indicators¹ The license plate number or conveyance identification* <p>*this information will be provided to you by the transporter of the animals</p> <p>You are not required to report the departure of sheep from your site, unless you are sending them to a community pasture.</p>	Within 7 days of arrival.
Movement of sheep to and from a leased pasture.	You are not required to report the arrival of sheep at a leased pasture and their return to your farm if all the sheep kept at the leased pasture were from that same farm.	-
Movement of sheep within the same farm.	You are not required to report the movement of sheep if they are moved within the same farm.	-

For **import** and **export** requirements, refer to the Importers and Exporters guidance documents

LOSS OF APPROVED INDICATORS

WHAT TO DO?		TIME LIMIT
Arrival without an approved indicator.	You must apply an approved indicator to sheep that arrive at your site without one. The new approved indicator must be assigned to your site.	As soon as it arrives at your site.
Loss of an approved indicator on site.	You must apply a new approved indicator to sheep that have lost their approved indicators at your site.	As soon as the loss of the approved indicator is noted.
Report the application of the approved indicator.	<p>When applying an approved indicator to sheep, you must report the following information to the responsible administrator:</p> <ul style="list-style-type: none"> The identification number of the new approved indicator If known, the identification number of the approved indicators¹ previously applied The premises identification number of your site If known, the premises identification number of the departure site If applicable, the license plate number or conveyance identification <p>You are not required to report the application of the approved indicators if the sheep have not been moved from their farm of origin.</p>	Within 7 days of application of the new indicator.

LIVESTOCK TRACEABILITY REGULATORY REQUIREMENTS | SHEEP PRODUCERS AND OWNERS

DISPOSAL OF SHEEP CARCASSES

WHAT TO DO?	TIME LIMIT	
Identify the sheep carcasses.	Sheep carcasses must be identified with an approved indicator if you move them off site for disposal.	Before the carcass leaves the site.
Report the on site disposal of the carcasses.	When disposing of sheep carcasses on site, you must report the following information to the responsible administrator: <ul style="list-style-type: none"> The premises identification number of the site where the carcass was disposed of The date on which the carcass was disposed of The identification number on the approved indicators¹ 	Within 7 days of disposing of the carcass.

If you dispose of a sheep carcass on its farm of origin that has not had an approved indicator applied to it, you are **not required to apply** an approved indicator to it or **report** its disposal.

PROHIBITIONS

IT IS PROHIBITED TO

- Remove or cause the removal of sheep or sheep carcasses from a site unless they bear an approved indicator, with the exceptions listed in the "Animal identification" section above.
- Apply an approved indicator to sheep or sheep carcasses that are not at the site for which the indicator was assigned.
- Apply an approved indicator for sheep to animals that are not sheep or to carcasses that are not sheep carcasses.
- Transfer approved indicators from sheep or their carcasses to other animals or carcasses, or reuse an approved indicator.
- Apply, make, sell, or provide a means of identifying sheep or carcasses that is likely to be mistaken for an approved indicator.
- Remove² an approved or revoked indicator from sheep or their carcasses, except at the time and place of disposal of the carcass.
- Alter an approved indicator in any manner.
- Give, sell or distribute approved indicators assigned for your site.

DEFINITIONS

Approved indicator: refers to indicators approved under the Livestock Identification and Traceability Program. In most cases approved indicators are approved ear tags.

Revoked indicator: refers to indicators that are no longer approved under the Livestock Identification and Traceability Program.

Carcass: refers to any part of the carcass of a ruminant or pig that exceeds 50% of its weight and, as a general rule, it refers to dead stock.

Farm: refers to land, and all building and other structures on that land, that is used under one management for breeding or raising animals, but does not include an artificial insemination unit.

Farm of origin: refers to the farm on which an animal is born, or if an animal is not born on a farm, the first farm to which it is moved after its birth.

Site: refers to premises where ruminants or pigs or the carcasses of ruminants or pigs are kept or collected, but does not include a conveyance.

¹When you are required to report to the responsible administrator an identification number on an approved indicator of a sheep or sheep carcass that bears a revoked indicator instead, you must report the identification number on the revoked indicator.

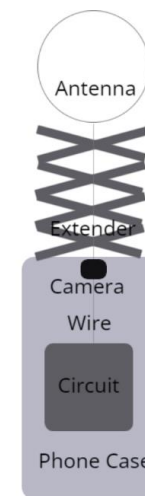
²The removal of an animal's approved or revoked indicator could be authorized if an inspector determines, based on information provided (whether before, at the time of or within 7 days of the removal of the indicator), that the indicator is causing the animal to suffer.

AgroLedger

The Canadian Sheep Federation developed AgroLedger to serve as the information management system for the sheep industry traceability program. The message from Canadian sheep farmers and ranchers was clear; if traceability is to become a reality in the sheep industry, it must give value back to its users. If we think of traceability solely in terms meeting regulations, the systems that manage them are nothing more than black holes into which farmers throw data and dollars. Canada’s sheep farmers deserve better. The CSF set out to find a traceability solution that fits both future trace regulations and user needs without breaking the bank. We didn’t have a lot of luck finding the kind of technology we needed so we built a custom system...we built AgroLedger. With the second phase of AgroLedger development complete, we have a program that can support traceability reporting for incoming regulations AND that provides some added value to users. Right now, AgroLedger lets you share animal records like registrations and performance indexing records, as well as vaccination and treatment records, with future animal owners. Want to scan a new animal’s tag and know if it has been vaccinated? There’s an app for that! And there is a lot more to come as we move to the next phase of development in 2022 and create even more value for AgroLedger users.

Here are some winter AgroLedger updates:

- A group of 20+ early adopters are currently testing AgroLedger as part of the CSF’s Traceability Readiness Assessment Project. Early adopters are working through all traceability reporting that is expected under new regulations, to help with final validation of program functionality and to provide suggestions for new value-added functionality.
- Work continues to find supportive technologies that will make TRACE reporting easier, to help move to more autonomous data capture...that’s to say collecting traceability data without much extra work. These include:
 - Facial recognition technology to use a simple camera to uniquely identify animals,
 - Android devices that integrate RFID reading with AgroLedger
 - Low-cost RFID readers that connect to your mobile device.



Scrapie and the Scrapie Flock Certification Program (SFCP)

The SFCP is a national flock/herd scrapie risk management program for the Canadian sheep and goat industries and is available to any sheep or goat producer who agrees to meet the program's requirements. The primary benefit to participating producers is the individual risk protection against scrapie in their flock/herd. Over time, producers will have their flock/herd recognized as being at a much lower risk for scrapie than the rest of the farms in the national flock and herd. This recognition can increase trade opportunities within Canada and considering the recent announcement about the U.S small ruminant rule, allows SFCP Certified Plus farms to export breeding stock to the United States. The long-term goal of the SFCP is to eradicate scrapie from the national flock and herd and to help open market access for export. The SFCP's National Standards (rules) are maintained by the CFIA, and the program is administered through Scrapie Canada, a division of the Canadian Sheep Federation. You can learn more about scrapie and the SFCP on the Scrapie Canada website, www.scrapiecanada.ca.

What's new with scrapie and the SFCP this winter:

- The CFIA hosted a Scrapie Flock Certification Program National Standards Review by the Scrapie Working Group in March. In addition to a few NS wording changes for clarification, the CFIA indicated that it will change program rules with respect to sourcing rams and bucks. Where enrolled producers can currently purchase males from any farm, enrolled or not, provided that once they enter the premises they are housed separately outside of breeding season and they are assigned their own program status, the new rules would restrict the purchase of males to those of equivalent or higher program status. This means that enrolled producers could only buy rams and bucks from other enrolled farms of the same or higher status. We understand that genetically resistant rams could come from non-enrolled farms but we are waiting for a copy of the proposed changes to clarify this exception and eligible genotypes. CFIA was cautioned that this change could lead to a significant attrition from the program, citing the large number of enrolled producers who currently source males from farms outside the program. CFIA noted the concern but did so without considering a change of position.

Canadian Verified Sheep Program (CVSP)

The Canadian Verified Sheep Program is Canada's quality assurance program for sheep farms. Developed by the Canadian Sheep Federation with support from Canadian farmers and input from veterinarians, industry stakeholders and government, this voluntary program helps farmers and ranchers implement, demonstrate, and validate exemplary food safety, animal welfare and biosecurity management practices. With the help of the CVSP's **FREE** training, you will have the tools to help reduce on-farm food safety, biosecurity, and animal welfare risks.

The steps to implementing the Canadian Verified Sheep Program are straight forward. The Canadian Verified Sheep Program Manual has everything you need to implement the program on your farm. The steps for implementation are:

1. Participate in a producer training session either online or in person. In person sessions are delivered by trained trainers, usually associated with provincial sheep organizations. You can start your **FREE** online training by visiting the CVSP website at fsfp.cansheep.ca
2. Review the CVSP Producer Manual which contains all the practices and record keeping requirements for the program.

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3. Adapt the material in the manual to fit your operation. While there are various “must do” good production practices in the program, they may not all be applicable to your farm.
 4. Utilize the good production practices and records on your farm, and train workers to follow practices.
 5. Record mishaps when they happen and keep notes on how they were corrected.
 6. After completing steps 1-5 for one full production cycle, you can apply for an audit to become fully Certified on the program.
- Did you know that the CVSP is recognized by the CFIA’s Food Safety Recognition Program? And this summer we successfully completed our 18-month review of changes, ensuring the program remains recognized by the CFIA. The [Food Safety Recognition Program \(FSRP\)](#) is a program led by the Canadian Food Inspection Agency (CFIA), with the participation of provincial and territorial governments, that provides government recognition of on-farm and post-farm food safety systems developed and implemented by national industry organizations. The FSRP is a multi-step process that consists of a review, an assessment, the recognition and ongoing monitoring of the technical soundness and administrative effectiveness of national industry organizations' implemented food safety system.
 - If you haven’t taken the CVSP training program, you should. The material is helpful for managing on-farm food safety, biosecurity, and animal welfare risks. The record keeping documents help you organize critical information, and the training is completely, **100% FREE** courtesy of the Canadian Sheep Federation. Did we mention training is **100% FREE**?

What’s new with the CVSP this winter:

- The CFIA’s continues work to modernize its Food Safety Recognition Program with a March meeting dedicated to a discussion around Maintenance of Recognition (MoR), particularly post-60 months. The Canadian Verified Sheep Program has achieved Technical Review Part 2 of the program but has not pursued full program recognition. Doing so takes significant time and resources to both achieve and maintain, and the sector has not yet determined the need to complete full recognition. The group considered 4 options for MoR, and were provided the opportunity to propose additional options, as follows:
 - Status quo
 - CFIA 80-month pilot process, explored in 2022/23
 - CFIA/FSRP conducting the audits at national and provincial delivery agents
 - Third Party Audit Service Provider conducting audits at national and provincial delivery agents and farms
 - Options presented by industry

CFIA will consider feedback provided at the March meeting, develop a formal proposal, and seek industry’s feedback on the proposal. This group is anticipating several additional meetings not just on the MoR topic, but as part of a full review of the FSRP.

Chronic Wasting Disease Herd Certification Program (CWD HCP)

Chronic wasting disease (CWD) is a progressive, fatal nervous system disease that affects cervid species. It is a transmissible spongiform encephalopathy, or prion disease. It is contagious amongst cervids, like scrapie in sheep. Chronic Wasting Disease (CWD) belongs to the family of diseases known as transmissible spongiform encephalopathies (TSEs), or prion disease. Though it shares features with other TSEs, such as bovine

spongiform encephalopathy (BSE) in cattle and scrapie in sheep and goats, it is a distinct disease only known at this time to naturally affect members of the deer (cervid) family. In 2002, the CFIA established national standards for a Voluntary Herd Certification Program (VHCP, now the HCP) to provide cervid owners with tools to help mitigate the risk of developing CWD and the opportunity to have their herds identified as minimal risk with respect to CWD.

The Canadian Sheep Federation began administering the CWD HCP in Ontario back in 2009, because both its National Standards and the program's administration closely mirrored the Scrapie Flock Certification Program. Now the CSF serves as CWD HCP Regional Administrator and Status Assessor for cervids farms located in Saskatchewan, Manitoba, Ontario, and Quebec.

What's new with CWD:

- It appears that it is the cervid industry's intent to seek the CFIA's continued endorsement of the Chronic Wasting Disease Herd Certification Program. This will mean that the program will need significant re-writes to include changes that the CFIA indicated were necessary for them to continue their program endorsement. Primarily, the program will need to bolster biosecurity with new measures that include fully fenced premises (including crop land), exclusion fencing and restriction on feed sources.

Other Updates and Working with Industry Partners

- The CSF is working collectively with other livestock groups to engage with Health Canada, the Veterinary Drug Directorate, Regulatory Operations and Enforcement Branch, Pest Management Regulatory Agency and Agriculture and Agri-Food Canada in discussion about how to improve Canadian access to veterinary drugs and biologics. January 2023 meeting objectives included provide regulators and stakeholders with a follow-up discussion and update of the challenges and opportunities for accessing products across sectors, and identifying opportunities for bringing needed products to Canada, maintaining products on the market, and maximizing regulatory and operational flexibilities.
- Livestock industry organizations, including the CSF, have closely followed rumours that the U.S. will propose changes to the voluntary 'Product of USA' labelling regulations. In March, the US FSIS formerly proposed amendments to regulations that define the conditions under which the labeling of meat, poultry, and egg products, as well as voluntarily-inspected products, may bear voluntary label claims indicating that the product is of the United States. Often referred to as Voluntary Product of the US (vPUSA) labelling. You can find more about the proposed amendments here: <https://www.fsis.usda.gov/policy/federal-register-rulemaking/federal-register-rules/voluntary-labeling-fsis-regulated> Ministers Bibeau and Ng issued a joint statement about the FSIS' proposed amendment, stating "Canada remains concerned about any measures that may cause disruptions to the integrated North American livestock supply chains. Canada will closely review the proposed amendments to the labelling of meat, poultry and egg products in the U.S. and will participate in the U.S. rule-making process to ensure that these changes conform to the U.S.' international trade obligations and do not disrupt supply chains." Although mandatory COOL remains for sheep and lamb, the CSF has participated in the ongoing industry/government vPUSA discussions to see what actions taken on the vPUSA front may include a resolution to remaining mandatory COOL legislation.

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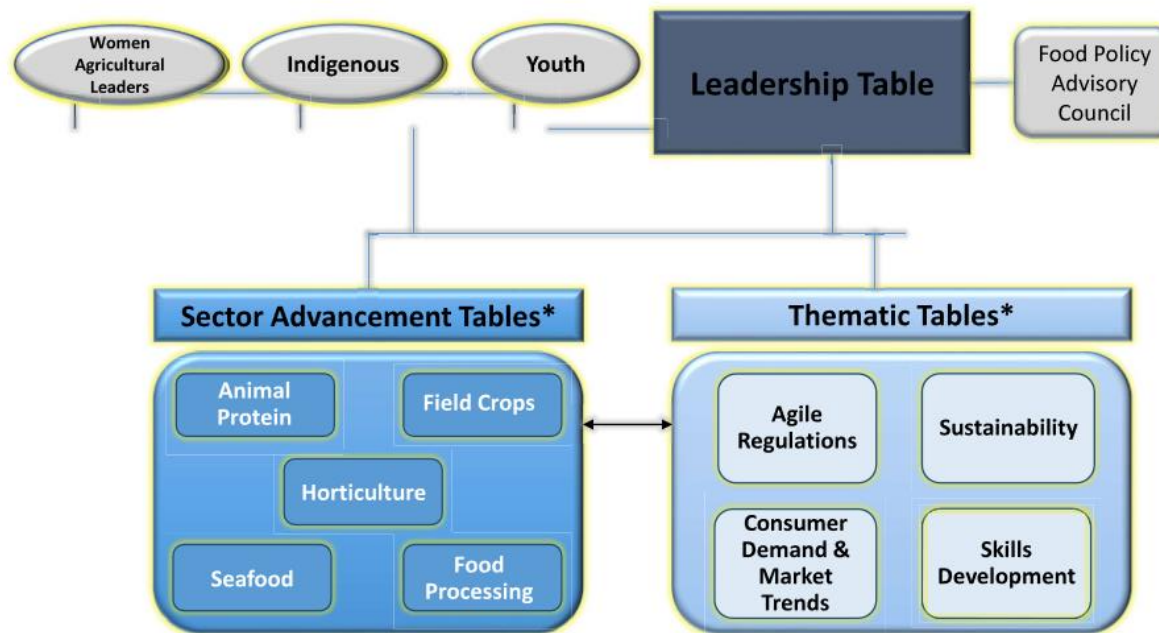
➤ The newly established Animal Table Protein group, stemming from the modernization of Agriculture and Agri-Food Canada’s Roundtable model, held it’s first in-person meeting in January. The CSF is represented on the Animal Protein Table.

The Table worked to ratify its strategic plan, landing on four key themes:

- Labour
- Domestic sector resiliency, emergency management
- Technology
- Regulations

The group will meet again in March to further refine the strat plan, identifying activities that it can carry out related to each of the four key themes. The new Sector Engagement Table Model looks like this:

Sector Engagement Table Model



* Time-limited and issue-focused working groups can be created under individual tables.

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- The CSF has the privilege of working with a number of Universities on research projects that contribute to the organization's mandate to support producers. We are currently working with three academic institutes on the following projects:
 - Clarkson University and Temple University – Comparative Environment Impact Assessment: The project will assess the environmental impact of the sector's supply chain as it currently exists, and theorize the environmental impact of regionalized supply chain model. The goal is to help inform discussions/investments in regional processing capacity and inter-provincial meat trade, knowing that incoming funding programs and frameworks focus on sustainability-directed activities. These reports are slated for completion in April. Temple University may undertake related research in the fall semester, making recommendations on facility size and location that best contributes to the sustainability of the supply chain.
 - University of Toronto, School of Engineering: This group is prototyping a low-cost RFID reader that connects to a user's cell phone and integrates with traceability systems, allowing rapid and integrated trace reporting. The prototype will be ready for the spring showcase in mid-April.
- The Public Health Agency of Canada hosted a two-day forum titled Pandemic Instrument and Stakeholder Engagement in March. This forum focused on the development of a Canadian pandemic instrument, a plan for pandemic preparedness. Livestock sectors including the CSF were invited to participate given the emphasis on 'one-health' and disease zoonosis between animals and people. A notable amount of forum time was spent discussing disease tracking in people, in animals, and between people and animals. It is important to defend livestock production's attention to disease traceability in these meetings and we ensured that was the case in this first forum.

This winter's meetings

- University student projects x 10 (University of Toronto, Simon Fraser University, Clarkson University, Temple University)
- CSF Board of Directors x 3
- CSF Audit & Finance Committee x 3
- Transportation Hours of Service Working Group x 3
- Canadian Animal Health Surveillance System (CAHSS) AMU Network
- CAHSS Vector-Borne Disease Network
- Animal Health Canada Working Group x 4
- Vet Drugs Multi-Sector Group x 2
- Animal Protein Table – Ottawa
- Canadian Food Innovation Network x 2
- Canadian Blockchain Supply Chain Organization
- Government of Alberta, TRACE presentation
- Canadian National Goat Federation, TRACE presentation
- CFIA Food Safety Recognition Program, modernization x 2

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- Canadian Centre for Emerging Zoonotic Disease x 2
- Market Access Secretariat
- Government of Australia, TRACE x 2
- Animal Health Canada Finance Committee
- Magpie Group, Communications x 7
- AAFC AgriAssurance team, Traceability Readiness Assessment Project
- CFIA, food labelling regulations
- Grains Council of Canada
- Future of Food – Ottawa
- Canadian Agricultural Human Resources Council – Ottawa
- Pest Management Residue Agency Livestock Working Group, PMRA modernization
- Public Health Agency of Canada – AMU/AMR strategies
- Transportation Hours of Service Working Group meeting with Senator Black
- Agricultural Innovation Council breakfast series – Ottawa
- Alberta Lamb Producers Board of Directors, RA Proposal Presentation
- Simon Fraser University, blockchain
- Chronic Wasting Disease Herd Certification Program Working Group
- Regulatory Implementation Committee
- PEI Sheep Breeders Association, RA Proposal Presentation
- Sheep Producers Association Newfoundland/Labrador, RA Proposal Presentation
- BC Sheep Federation, RA Proposal Presentation
- Agriculture and Agri-Food Canada, sustainable agriculture framework consultation
- Animal AgTech Innovation Summit – San Francisco
- World AgTech Innovation Summit – San Francisco
- US Under-Secretary & USDA Chief Scientist Chavonda Jacobs-Young, Canada-US vet drug harmonization
- Public Health Agency of Canada, Pandemic Instrument Partner and Stakeholder Engagement Forum – Ottawa
- AFRAAT Pre-Hearing Conference
- Canadian Livestock Market Information Advisory Committee – Ottawa
- Canadian Sheep Breeders Association, RA Proposal Presentation
- Saskatchewan Sheep Development Board of Directors, RA Proposal Presentation
- Canadian Agricultural Policy Institute
- Manitoba Sheep Association, RA Proposal Presentation
- Animal Protein Table
- Canadian Co-operative Wool Growers Ltd, RA Proposal

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- CFIA TRACE webinar, sheep producers and owners
- National Policy Advisory Committee (NPAC) industry debrief.