

Manitoba Agriculture

Agriculture Manitoba

Annual Report
2018-2019

Rapport Annuel
2018-2019



Manitoba Agriculture
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Her Honour the Honourable Janice Filmon, C. M., O. M.
Lieutenant Governor of Manitoba
Room 235, Legislative Building
Winnipeg MB R3C 0V8

May it Please Your Honour:

It is my privilege to present for the information of Your Honour, the Annual Report of
Manitoba Agriculture for the fiscal year ending March 31, 2019.

Respectfully submitted,

Original Signed by Ralph Eichler

Honourable Ralph Eichler
Minister of Agriculture



Son Honneur l'honorable Janice Filmon, C.M., O.M.
Lieutenant-gouverneure du Manitoba
Palais législatif, bureau 235
Winnipeg (Manitoba) R3C 0V8

Madame la Lieutenant-Gouverneure,

J'ai le privilège de présenter à Votre Honneur le rapport annuel du ministère de l'Agriculture pour l'exercice terminé le 31 mars 2019.

Le tout respectueusement soumis.

Le ministre de l'Agriculture,

« *Original signé par Ralph Eichler* »

Ralph Eichler





Agriculture

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Honourable Ralph Eichler
Minister of Agriculture
Province of Manitoba

Sir,

I am pleased to present the 2018/19 Annual Report of the Department of Agriculture for the fiscal year ending March 31, 2019.

We introduced our 2018-22 Strategic Direction, which is guided by the Minister's mandate and government priorities, including the Transformation Strategy.

We worked towards positioning Manitoba as the protein supplier of choice and leading Canada in sustainable protein industry growth. The department consulted with a broad range of stakeholders in developing the Manitoba Protein Advantage Strategy, which will serve as the platform for the continued attraction and retention of world-class enterprises in the field of animal and plant protein.

We launched the Canadian Agricultural Partnership – Ag Action Manitoba program in April 2018. The program provides initiatives to advance profitability, competitiveness and innovation for our agriculture and agriprocessing sector. In this fiscal year, Manitoba invested \$40.2M in activities directed to farmers, agriprocessors, industry organizations, researchers and industry service providers, with \$10.3M for improving agricultural research and innovation capacities.

In 2018/19, the Food Development Centre (FDC) commemorated its 40th anniversary with partners from government and industry, celebrating their successes. The forward-looking focus of FDC on innovation will support the food industry over the next decades.

We continue to focus on innovation, streamline processes and improve service delivery while ensuring sustainable growth of Manitoba's agriculture and agriprocessing sector. The sector contributed to seven per cent of the provincial gross domestic product and six per cent of provincial employment, providing Manitobans with 37,900 direct jobs in 2018, an increase of 1,100 from 2017.

Respectfully submitted,

Original Signed by Dori Gingera-Beauchemin
Deputy Minister of Agriculture





Agriculture

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Monsieur Ralph Eichler
Ministre de l'Agriculture
Gouvernement du Manitoba

Monsieur le Ministre,

J'ai l'honneur de vous présenter le rapport annuel 2018-2019 du ministère de l'Agriculture pour l'exercice terminé le 31 mars 2019.

Nous avons présenté notre orientation stratégique pour 2018-2019, qui est guidée par le mandat du ministre et les priorités du gouvernement, y compris la Stratégie de transformation.

Nous avons travaillé à positionner le Manitoba comme fournisseur de choix de protéines et comme chef de file au Canada en matière de croissance durable de l'industrie des protéines. Le ministère a consulté un large éventail d'intervenants dans le cadre de l'élaboration de la Stratégie durable à l'égard des protéines du Manitoba, qui servira de plateforme pour attirer et retenir des entreprises de classe mondiale dans le domaine des protéines animales et végétales.

Nous avons lancé le programme Partenariat canadien pour l'agriculture – Ag Action Manitoba en avril 2018. Ce programme prévoit des initiatives visant à accroître la rentabilité, la compétitivité et l'innovation de notre secteur de l'agriculture et de la transformation agroalimentaire. Au cours du présent exercice, le Manitoba a investi 40,2 millions de dollars dans des activités destinées aux agriculteurs, aux transformateurs, aux organismes industriels, aux chercheurs et aux fournisseurs de services industriels, dont 10,3 millions pour améliorer les capacités en recherche et innovation agricoles.

En 2018-2019, le Centre de développement de produits alimentaires a célébré son 40^e anniversaire avec des partenaires du gouvernement et de l'industrie, célébrant leurs succès. L'accent mis par le Centre sur l'innovation va appuyer l'industrie alimentaire au cours des prochaines décennies.

Nous continuons de mettre l'accent sur l'innovation, de rationaliser les processus et d'améliorer la prestation des services tout en assurant la croissance durable du secteur agricole et agroalimentaire du Manitoba. Le secteur a contribué à 7 % du produit intérieur brut provincial et à 6 % de l'emploi dans la province, fournissant aux Manitobains 37 900 emplois directs en 2018, soit une augmentation de 1 100 emplois par rapport à 2017.

Je vous prie d'agréer, Monsieur le Ministre, l'expression de mon profond respect.

« *Original signé par Dori Gingera-Beauchemin* »

Dori Gingera-Beauchemin
Sous-ministre de l'Agriculture



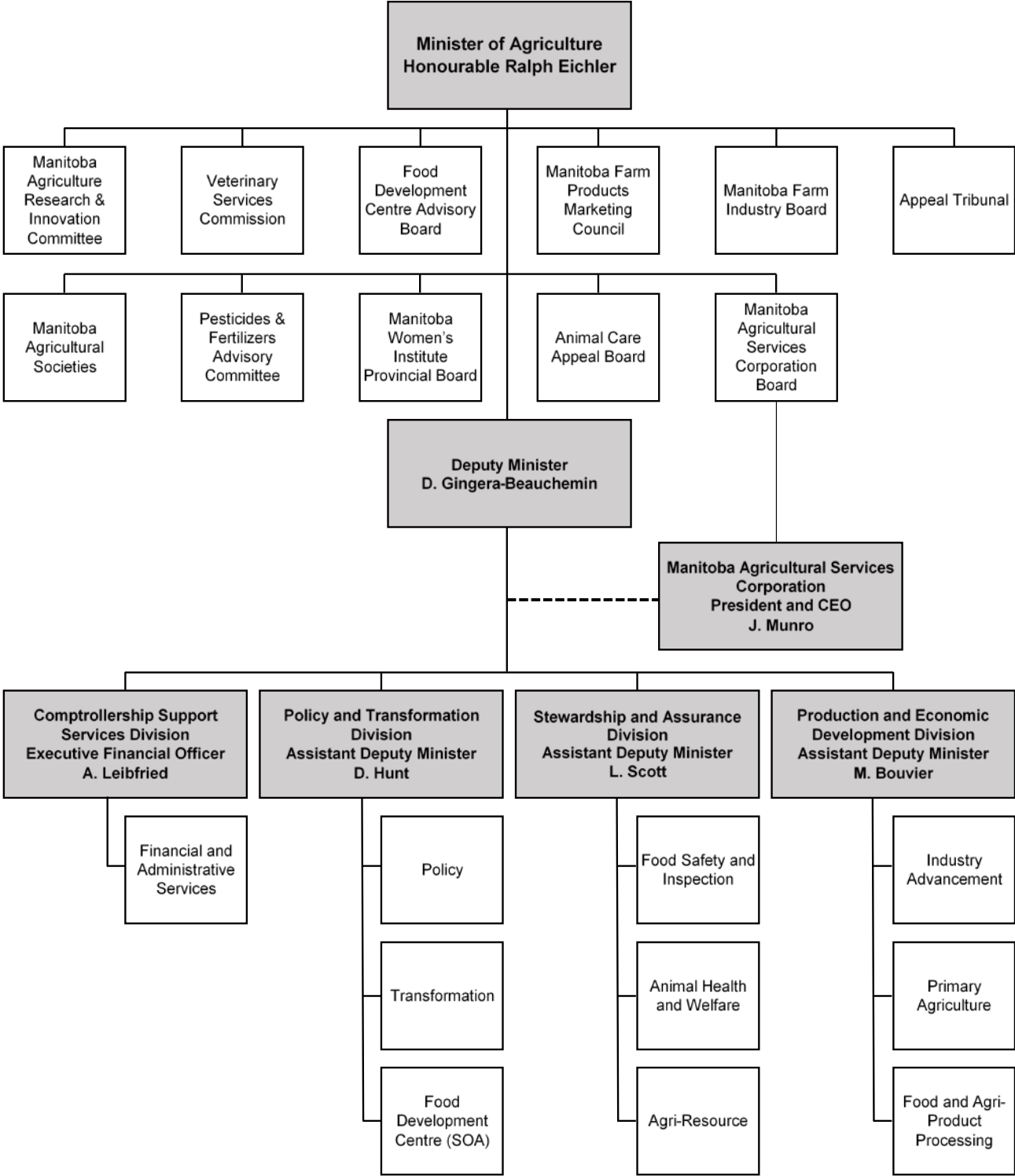
Contents

ORGANIZATION CHART	1
PREFACE	2
STATUTORY RESPONSIBILITIES OF THE MINISTER OF AGRICULTURE	11
PART A – PROGRAM AND FINANCIAL INFORMATION	14
ADMINISTRATION AND FINANCE.....	14
Minister’s Salary – 1A.....	14
Executive Support – 1B.....	15
Strategy Management – 1C.....	16
Financial and Administrative Services – 1D	18
POLICY AND TRANSFORMATION	21
Policy – 2A	21
Transformation – 2B.....	25
Food Development Centre – 2C.....	31
Grain Innovation Hub – 2D.....	34
RISK MANAGEMENT, CREDIT AND INCOME SUPPORT PROGRAMS	36
Manitoba Agricultural Services Corporation (MASC) – 3A	36
Agricultural Income Stabilization – 3B	38
Farmland School Tax Rebate – 3C	39
STEWARDSHIP AND ASSURANCE	40
Food Safety and Inspection – 4A	40
Animal Health and Welfare – 4B	44
Agri-Resource – 4C.....	54
Sustainable Agriculture Incentives Program – 4D	57
Recoverable from Other Appropriations – 4E.....	58
PRODUCTION AND ECONOMIC DEVELOPMENT.....	59
Industry Advancement – 5A	59
Primary Agriculture – 5B	63
Food and Agri-Product Processing – 5C	69
Manitoba Biomass Energy Support Program – 5D.....	73
COST RELATED TO CAPITAL ASSETS.....	74
Amortization and Interest Expense – 6.....	74
PART B – CAPITAL INVESTMENT	76
SUSTAINABLE DEVELOPMENT ACT	77
REGULATORY ACCOUNTABILITY AND RED TAPE REDUCTION	82
APPENDIX A: FINANCIAL INFORMATION – EXPENDITURE SUMMARY.....	86
APPENDIX B: FINANCIAL INFORMATION – RECONCILIATION STATEMENTS	92
APPENDIX C: DISTRIBUTION BY MAIN APPROPRIATION: 2018/19 ACTUAL EXPENDITURES.....	93

APPENDIX D: PERCENTAGE DISTRIBUTION OF SALARIES & EMPLOYEE BENEFITS AND FULL TIME EQUIVALENTS – 2018/19.....	94
APPENDIX E: REVENUE SUMMARY.....	95
APPENDIX F: FIVE YEAR EXPENDITURE HISTORY FOR YEARS ENDING MARCH 31, 2015 TO MARCH 31, 2019	96
APPENDIX G: FIVE YEAR EXPENDITURE AND STAFFING SUMMARY BY MAIN APPROPRIATION.....	97
APPENDIX H: PERFORMANCE INDICATORS 2018/19.....	98
APPENDIX I: THE PUBLIC INTEREST DISCLOSURE (WHISTLEBLOWERPROTECTION) ACT	104
APPENDIX J: THE FARM MACHINERY AND EQUIPMENT ACT FUND.....	105
APPENDIX K: ACRONYMS LISTING.....	106

Organization Chart

(The structure of the department as of March 31, 2019)



Preface

Report Structure

This Annual Report provides information on the department's objectives, results achieved, financial performance and variances for the 2018/19 fiscal year and provides a five-year historical table giving the departmental expenditures and staffing. The report contains two major sections:

- **Section One** includes Part A – Program and Financial Information and Part B – Capital Investment. Part A is organized in accordance with the departmental appropriation structure. This section also includes sustainable development activities.
- **Section Two** contains all appendices, including summary financial tables, expenditures and revenue variance explanations, performance indicators, and activities related to the Public Interest Disclosure (Whistleblower Protection) Act and Regulatory Accountability and Red Tape Reduction.

Vision and Mission

Our Vision

Agriculture and agriprocessing is a key economic driver for Manitoba.

Our Mission

Manitoba Agriculture creates the environment that accelerates sustainable growth in the agriculture and agriprocessing sector.

Areas of Focus

Primary Agriculture Development

- Extend technical information and tools to support farmers and industry in making informed business decisions.
- Provide risk management tools to support farmers and industry in managing risk.
- Provide financing instruments to support farmers and industry in capitalizing on opportunity.
- Increase the ability of crop and livestock production to mitigate and adapt to climate change.
- Support new value opportunities, increased competitiveness and sustainable development.
- Increase the capacity of agricultural organizations to drive economic development.

Agriprocessing Development

- Provide resources and environment to grow small and medium sized agriprocessing businesses.
- Retain and attract large agriprocessors to increase investment, trade and jobs.
- Partner with industry to derive increased value and jobs from agricultural production by capitalizing on strategic strengths including protein, functional food and nutraceuticals and grain innovation.

Healthy People, Plants, Animals and Landscapes

- Provide appropriate regulatory oversight and framework to protect and advance both human, animal, and plant health and welfare; and agriculture and agriprocessing industries' competitiveness.
- Provide science based expertise and diagnostic excellence to protect and advance human, animal and plant health and welfare.
- Advance agrifood industry development and food safety practices for the production of safe food.
- Protect and promote sustainable management of the agro ecosystem.

High Performance Organization

- Achieve priority outcomes and improve decision making through evidence-based management.
- Empower staff and strengthen leadership to maximize achievement.
- Transform services to offer increased value to clients.

2018/19 Highlights

The agriculture and agriprocessing sector continues to drive Manitoba's economic growth through creating jobs, providing social stability and supporting other economic sectors.

The agriculture and agriprocessing sector directly contributes 7.4 per cent of the province's Gross Domestic Product (GDP) and 5.9 per cent of the provincial employment. Furthermore, this sector provided 37,900 direct jobs in 2018, an increase of 1,100 jobs from 2017. Manitoba's **Farm Cash Receipts (FCR)** have grown steadily over the past decade, reporting \$6.6B in 2018. The agrifood manufacturing industry posted \$5.0B in sales in 2018, growing by 7.5 per cent from 2017. Manitoba exported \$6.0B worth of raw and processed agrifood products in 2018, slightly up from 2017.

Food and beverage manufacturing is the largest manufacturing sector in Manitoba. Capital investments in Manitoba's agriculture and agriprocessing sector remain strong in areas of agrifood processing, agriculture machinery and grain handling. Manitoba remained attractive to **domestic and international investors** for agrifood and agriproduct processing. The department continued to work with companies in 2018/19 on several large-scale developments, which may be announced in 2019/20.

The department released the **Manitoba Protein Advantage Strategy** consultation paper on February 1, 2019, providing a framework to accelerate growth in plant and animal protein. To ensure broad input on alignment of efforts and commitment to action, we consulted with industry associations, businesses, educational institutions, research agencies, indigenous groups, environmental organizations, and the federal and provincial governments. We held 18 meetings, consulted with 34 stakeholders and received four written submissions by March 31, 2019, with more consultation sessions planned for 2019/20. We updated and/or developed 44 **farm management** resources in support of the Manitoba Protein Advantage Strategy and created a chapter on peas for the **Environmental Farm Plan** in support of our growing capacity in pea protein extraction.

With the legalization of cannabis in Canada in October 2018, we collaborated with departments and agencies in successfully launching the province's retail of **non-medical cannabis**, and developing a Cannabis Edible and Cannabidiol (CBD) Economic Development Strategy.

In April 2018, we launched the **Canadian Agricultural Partnership (CAP) Ag Action Manitoba**. This five-year agreement between Canada and Manitoba supports activities contributing to a sustainable, profitable, competitive and innovative agriculture and agriprocessing sector. In our first year, 679 applications were processed with 76 per cent approval. The high interest resulted in an investment totalling \$40.2M to various clients and projects including:

- \$1.4M in 261 projects supporting assurance activities directed to **farmers**;
- \$6.0M in 57 projects directed to **agriprocessors** for capital investment and market development;
- \$2.2M to 68 **industry organizations** for activities related to organization, industry and resource development and training;
- \$1.3M to 51 **industry service providers** to undertake activities related to growth and stability of the agriculture sector in Manitoba;
- \$10.3M to 45 **research and innovation** initiatives; and
- \$18.9M to 32 projects in support of departmental priorities including expanding markets and building trade relations, building innovation, managing risk, expanding processing potential, building environmental sustainability, and maintaining public trust.

The Food Development Centre (FDC) celebrated its 40th anniversary with partners from government and industry, commemorating the successes and exploring new opportunities and innovative technologies to support the agriprocessing sector. Through the **Transformation Capital Fund**, FDC received funding to modernize protein extraction equipment and to expand expertise in protein innovation. This project is expected to generate a 78 per cent return on investment (ROI) over four years.

To help manage farm income risk, the **Crop Diversification Centres** conducted new crops and management systems trials through 7,479 research plots, and shared variety trial results through the Seed Manitoba publication.

The department continues to work collaboratively with Manitoba Health, Seniors and Active Living to modernize Manitoba's **food safety legislation** with a focus on streamlining the legislative framework while ensuring competitiveness of the agrifood sector. Manitoba Agriculture drafted changes to food safety legislation for provincially permitted processing plants. The province also adopted the **National Cervid Identification Program** for farmed elk. To maintain sector sustainability and competitiveness, Manitoba Agriculture transferred food safety knowledge to over 200 Manitoba food processors through four **Safe Food for Canadians Regulations** workshops.

The Animal Care Line continued to provide appropriate regulatory oversight for animal welfare inspections, with increasing number of inquiries. In 2018, our animal protection officers attended to 1054 inspections.

The department continued its efforts to modernize the **Agriculture Crown Lands (ACL)** leasing program. Informed by public consultation, we proposed new regulations and policies that streamline the allocation process in a fair and transparent manner. While striking a balance between existing and potential new users, we introduced a new market-based formula for rentals. We will continue to ensure that the land will be used productively and sustainably.

In support of the **Made-in-Manitoba Climate and Green Plan**, the department invested \$1.2M towards the mitigation and adaptation of climate change under the **Sustainable Agriculture Incentives Program** and provided \$1.0M to six **conservation districts** to work with farmers on implementing practices that conserve and enhance ecological goods and services on the agricultural landscape.

To promote an adequate workforce for growth of the agriculture and agriprocessing sector, we implemented programs and activities targeted at increasing the **skills of Manitobans**, including:

- Worked with industry and Manitoba Public Insurance to ensure smooth transition for driver's license requirements for **Temporary Foreign Workers**.
- Provided Ag Action Manitoba funding to establish a new **Food Processing Training Centre for Animal Proteins** at the Assiniboine Community College to increase skilled meat cutters in support of the meat processing industry.

Recognizing the importance of cultural training in building meaningful relationships with Indigenous people, Manitoba Agriculture implemented **The Certificate of Indigenous Relations Program (CIRP)** to address the call to Action #57 from the Truth and Reconciliation Commission report. Twenty staff completed this program in 2018/19, increasing the department's knowledge and capacity in this important area.

With our client-centric approach, the department continued to enhance ways of improving **client services**. We operationalized a toll-free client line in 2018 and received 541 calls inquiring about our programs and services.

Préface

Structure du rapport

Le présent rapport annuel fournit de l'information sur les objectifs du ministère, les résultats atteints, les résultats financiers et les écarts pour l'exercice 2018-2019, et fournit un tableau des dépenses et de l'effectif du ministère pour les cinq derniers exercices. Le rapport est divisé en deux sections principales :

- La **section un** comprend la partie A, Programmes et renseignements financiers, et la partie B, Investissements en immobilisations. La partie A est organisée conformément à la structure de crédits du ministère. Cette section comprend aussi les activités de développement durable.
- La **section deux** contient toutes les annexes, y compris les tableaux financiers sommaires, les explications relatives aux écarts budgétaires en matière de dépenses et de revenus, les indicateurs de rendement et les activités relatives à la Loi sur les divulgations faites dans l'intérêt public (protection des divulgateurs d'actes répréhensibles), à la responsabilisation en matière de réglementation et à la réduction des formalités administratives.

Vision et mission

Notre vision

Le secteur de l'agriculture et de la transformation agroalimentaire est un moteur économique clé pour le Manitoba.

Notre mission

Agriculture Manitoba crée les conditions qui permettent d'accélérer la croissance durable du secteur de l'agriculture et de la transformation agroalimentaire.

Domaines d'intérêt

Développement de l'agriculture primaire

- Fournir l'information technique et les outils pour aider les agriculteurs et l'industrie à prendre des décisions commerciales éclairées.
- Fournir des outils de gestion des risques pour aider les agriculteurs et l'industrie à gérer les risques.
- Fournir des instruments financiers pour aider les agriculteurs et l'industrie à tirer parti des possibilités.
- Accroître la capacité de la production agricole et animale d'atténuer les changements climatiques et de s'y adapter.
- Soutenir les possibilités de nouvelle valeur, la compétitivité accrue et le développement durable.
- Accroître la capacité des organismes agricoles à stimuler le développement économique.

Développement de la transformation agroalimentaire

- Fournir les ressources et les conditions propices à la croissance de petites et moyennes entreprises de transformation agroalimentaire.
- Attirer et conserver de grandes entreprises de transformation agroalimentaire pour accroître l'investissement, le commerce et les emplois.
- Collaborer avec l'industrie pour que la production agricole crée plus de valeur et d'emplois en tirant parti des forces stratégiques, dont les aliments protéiques, les

aliments fonctionnels et les produits nutraceutiques, et l'innovation dans le domaine des céréales.

Santé de l'être humain, des plantes, des animaux et de l'environnement

- Fournir une surveillance et un cadre réglementaires adéquats pour protéger et promouvoir la santé et le bien-être de l'être humain, des animaux et des plantes; et la compétitivité des industries de l'agriculture et de la transformation agroalimentaire.
- Apporter une expertise scientifique fondée sur la science et faire preuve d'excellence en matière de diagnostic pour protéger et favoriser la santé et le bien-être de l'être humain, des animaux et des plantes.
- Promouvoir le développement de l'industrie agroalimentaire et les pratiques de salubrité alimentaire pour produire des aliments sains.
- Protéger et promouvoir la gestion durable de l'agroécosystème.

Organisation à haut rendement

- Atteindre les résultats prioritaires et améliorer la prise de décision au moyen de la gestion fondée sur des données probantes.
- Responsabiliser le personnel et renforcer le leadership pour maximiser les réalisations.
- Transformer les services pour offrir une valeur accrue à la clientèle.

Points saillants en 2018-2019

Le secteur de l'agriculture et de la transformation agroalimentaire continue de stimuler la croissance économique du Manitoba en créant des emplois, en apportant la stabilité sociale et en soutenant les autres secteurs économiques.

Ce secteur représente 7,4 pour cent du produit intérieur brut (PIB) de la province et 5,9 pour cent des emplois dans la province. De plus, il a fourni 37 900 emplois directs en 2018, soit une augmentation de 1 100 emplois rapport à 2017. Les **recettes monétaires agricoles** du Manitoba ont connu une croissance soutenue au cours de la dernière décennie, représentant 6,6 milliards de dollars en 2018. L'industrie de la fabrication de produits agroalimentaires a affiché des ventes de 5 milliards de dollars en 2018, soit une croissance de 7,5 pour cent par rapport à 2017. Le Manitoba a exporté pour 6 milliards de dollars de produits agroalimentaires crus et transformés en 2018, une hausse légère par rapport 2017.

La fabrication d'aliments et de boissons est le plus grand secteur manufacturier au Manitoba. Les investissements en immobilisations dans le secteur de l'agriculture et de la transformation agroalimentaire au Manitoba demeurent forts dans les domaines de la transformation agroalimentaire, des machines agricoles et de la manutention des grains. Le Manitoba continue d'attirer les **investisseurs nationaux et internationaux** dans le secteur de la transformation agroalimentaire et de la transformation des produits agricoles. En 2018-2019, le ministère a continué de travailler avec des sociétés à plusieurs grands projets de développement, qui peuvent être annoncés en 2019-2020.

Le 1^{er} février 2019, le ministère a publié le document de consultation **Manitoba Protein Advantage Strategy**, fournissant ainsi un cadre pour accélérer la croissance du secteur des protéines végétales et animales. Pour recevoir un vaste éventail d'opinions sur l'harmonisation des efforts et l'engagement à agir nous avons consulté les associations industrielles, les entreprises, les établissements d'enseignement, les organismes de recherches, les groupes autochtones, les organismes environnementaux et les gouvernements fédéral et provincial. Au 31 mars 2019, nous avons tenu 18 réunions, consulté 34 intervenants et reçu quatre mémoires écrits, et avons planifié d'autres séances de consultation pour 2019-2020. Nous avons élaboré ou mis à jour 44 ressources relatives à la **gestion des fermes** pour appuyer la Manitoba Protein Advantage Strategy (stratégie durable à l'égard des protéines) et créé un chapitre sur les pois pour le **plan environnemental de la ferme** afin de soutenir notre capacité croissante d'extraction de protéines de pois.

Par suite de la légalisation du cannabis au Canada en octobre 2018, nous avons collaboré avec des ministères et des organismes pour commencer la vente au détail de **cannabis à usage non thérapeutique**, et élaboré une stratégie de développement économique du secteur des produits alimentaires au cannabis et du cannabidiol.

En avril 2018, nous avons lancé le programme **Ag Action Manitoba** dans le cadre du **Partenariat canadien pour l'agriculture**. L'entente de cinq ans entre le Canada et le Manitoba soutient les activités contribuant à un secteur de l'agriculture et de la transformation agroalimentaire durable, profitable, concurrentiel et novateur. Au cours de notre première année, nous avons traité 679 demandes et avons approuvé 76 pour cent d'entre elles. Cet intérêt prononcé a donné lieu à un investissement total de 40,2 millions de dollars répartis comme suit entre les divers clients et projets :

- 1,4 million de dollars dans 261 projets soutenant des activités d'assurance de la qualité pour les **agriculteurs**;
- 6 millions de dollars à des **entreprises de transformation agroalimentaires** pour financer 57 projets. Les fonds sont destinés à des investissements en immobilisations et au développement du marché;
- 2,2 millions de dollars à 68 **organismes de l'industrie** pour mener des activités de développement des organismes, de l'industrie et des ressources, et des activités de formation;
- 1,3 million de dollars attribué à 51 **fournisseurs de services de l'industrie** pour entreprendre des activités liées à la croissance et à la stabilité du secteur de l'agriculture au Manitoba;
- 10,3 millions de dollars pour 45 projets de **recherche et d'innovation**;
- 18,9 millions de dollars pour 32 projets soutenant les priorités du ministère, dont le développement des marchés et l'établissement de relations commerciales, l'intégration de l'innovation, la gestion des risques, l'accroissement de la capacité de transformation, l'amplification de la durabilité environnementale et le maintien de la confiance du public.

Le **Centre de développement de produits alimentaires** a célébré son 40^e anniversaire avec ses partenaires du gouvernement et de l'industrie. On a célébré les succès et examiné de nouvelles possibilités et technologies novatrices pour soutenir le secteur de la transformation agroalimentaire. Le Centre a reçu du financement du **Fonds de capital pour la transformation de la fonction publique** pour moderniser l'équipement servant à l'extraction des protéines et étendre son expertise en innovation dans le secteur des protéines. Ce projet devrait produire un rendement du capital investi de 78 pour cent sur quatre ans.

Pour contribuer à la gestion des risques afférents au revenu agricole, les **centres de recherches manitobains sur la diversification des cultures** ont effectué de nouveaux essais de cultures et essais des systèmes de gestion en utilisant 7479 parcelles de recherche. On a fait connaître les résultats des essais de variété dans la publication Seed Manitoba.

Le ministère continue de collaborer avec Santé, Aînés et Vie active pour moderniser la **législation sur la salubrité des aliments** en mettant l'accent sur le cadre législatif tout en veillant à la compétitivité du secteur agroalimentaire. Agriculture Manitoba a préparé des changements à la législation sur la salubrité alimentaire pour les usines de transformations autorisées par le gouvernement provincial. La Province a également adopté le **Programme national d'identification des cervidés** pour les wapitis d'élevage. Pour maintenir la durabilité et la compétitivité du secteur, Agriculture Manitoba a transféré les connaissances sur la salubrité alimentaire à plus de 200 entreprises manitobaines de transformation d'aliments en offrant quatre ateliers sur le **Règlement sur la salubrité des aliments au Canada**.

Grâce à la **Ligne de renseignements sur le soin des animaux**, qui est de plus en plus utilisée pour s'informer, nous avons continué d'exercer la surveillance réglementaire appropriée pour les inspections du bien-être des animaux. En 2018, nos agents de protection des animaux se sont occupés de 1054 inspections.

Le ministère poursuit ses efforts de modernisation du programme de location des **terres domaniales agricoles**. Nous guidant sur les résultats de la consultation publique, nous avons proposé de nouveaux règlements et de nouvelles politiques qui simplifient le processus d'attribution de façon juste et transparente. Tout en trouvant un équilibre entre les utilisateurs existants et potentiels, nous avons adopté une nouvelle formule de location fondée sur le marché. Nous continuerons de veiller à ce que les terres soient utilisées de manière productive et durable.

Pour soutenir le **Plan vert et climatique du Manitoba**, le ministère a investi 1,2 million de dollars pour atténuer les effets des changements climatiques et s'adapter à ceux-ci, dans le cadre du **Programme d'encouragement à l'agriculture durable**. Il a accordé aussi 1 million de dollars à six **districts de conservation** pour travailler avec les agriculteurs à l'instauration de pratiques de conservation et d'amélioration des biens et des services dans le paysage agricole.

Pour que le secteur de l'agriculture et de la transformation agroalimentaire ait accès à une main-d'œuvre suffisante pour poursuivre sa croissance, nous avons mis en œuvre des programmes et des activités visant à accroître les **compétences des Manitobains**, y compris :

- travaillé avec l'industrie et la Société d'assurance publique du Manitoba pour une transition en douceur concernant les exigences relatives au permis de conduire pour les **travailleurs étrangers temporaires**;
- fourni des fonds d'Ag Action Manitoba pour établir un nouveau **centre de formation en transformation des aliments de protéines animales** au Collège communautaire Assiniboine dans le but d'accroître les compétences des découpeurs de viandes pour soutenir l'industrie de la transformation de la viande.

Reconnaissant l'importance de la formation culturelle pour nouer des relations constructives avec les Autochtones, Agriculture Manitoba a mis en œuvre le **Programme de certificat sur les relations avec la communauté autochtone** pour donner suite à l'appel à l'action n° 57 du rapport de la Commission de vérité et réconciliation. Vingt employés ont terminé ce programme en 2018-2019, ce qui a permis d'accroître les connaissances et la capacité du ministère dans ce domaine important.

Poursuivant son approche centrée sur les clients, le ministère a continué de trouver des façons d'améliorer le **service à la clientèle**. En 2018, nous avons mis à la disposition de la clientèle une nouvelle ligne téléphonique sans frais et reçu 541 appels de personnes demandant des renseignements sur nos programmes et nos services.

Statutory Responsibilities of the Minister of Agriculture

The Agricultural Producers' Organization Funding Act
The Manitoba Agricultural Services Corporation Act
The Agricultural Societies Act
The Department of Agriculture, Food and Rural Development Act (except section 9 insofar as it relates to Rural Opportunities 4 Growth, Infrastructure Grants or Rural Economic Development Initiatives)
The Agri-Food and Rural Development Council Act¹
The Agrologists Act
The Animal Care Act
The Animal Diseases Act
The Animal Liability Act
The Bee Act
The Cattle Producers Association Act
The Crown Lands Act [section 1, subsection 7.2(2), clause 7.3(2) (c), sections 7.4 to 7.6 and 35; section 4, clauses 5(1)(f), (k) and (l), subsections 5(4), sections 6 and 6.1, clause 7(1)(d), subsections 7(2) to (6), section 7.1, subsections 7.3(1) and (3) to (5), section 10, subsection 13.1(1), sections 14, 16 to 18, 21, 22, subsection 23(3), section 24, subsections 25(1) and (2), and sections 26 to 34.1 insofar as they relate to the administration of Crown lands designated by the Minister of Sustainable Development as agricultural Crown lands, including setting fees and rents and issuing work permits but excluding other dispositions]
The Dairy Act
The Family Farm Protection Act
The Farm and Food Awareness Act
The Farm Income Assurance Plans Act
The Farm Lands Ownership Act
The Farm Machinery and Equipment Act
The Farm Practices Protection Act
The Farm Products Marketing Act
The Food Safety Act
The Fruit and Vegetable Sales Act
The Land Rehabilitation Act
The Livestock and Livestock Products Act
The Livestock Industry Diversification Act
The Milk Prices Review Act
The Noxious Weeds Act
The Organic Agricultural Products Act
The Pesticides and Fertilizers Control Act
The Plant Pests and Diseases Act
The Property Tax and Insulation Assistance Act [Part III.1, and section 1 and Part VI as they relate to subjects covered under Part III.1]
The Veterinary Medical Act
The Veterinary Science Scholarship Fund Act
The Veterinary Services Act
The Wildlife Act [the portion of clause 89(e) that relates to compensation for damage to crops caused by wildlife as it pertains to big game and migratory waterfowl]
The Women's Institutes Act
OIC 192/2016 as amended by 251/2016, 293/2016, 227/2017

¹ In as long as the Act is in force. Once In Effect Bill 10, The Boards, Committees and Commissions Streamlining Act will repeal this act.

**SECTION ONE
PART A
PROGRAM AND FINANCIAL
INFORMATION**

Part A – Program and Financial Information

Administration and Finance

Provides executive planning, management and comptrollership of departmental policies, programs and resources.

Minister’s Salary – 1A

Mandate

Provides for the additional compensation an individual appointed to the Executive Council is entitled to.

1 (a) Minister's Salary

Expenditures by Sub-Appropriation	Actual	Estimate	Variance	Expl.
	2018/19	2018/19	Over/(Under)	No.
	\$(000s)	FTEs	\$(000s)	\$(000s)
Salaries and Employee Benefits	41	1.00	42	(1)
Total Sub-Appropriation	41	1.00	42	(1)

Executive Support – 1B

Mandate

Provide effective leadership in achieving the department's vision, mission, goals and priorities.

Programs, Activities and Expected Results

HIGH PERFORMANCE ORGANIZATION

Results Based Management

Expected Results:

- Effective and efficient delivery of the department's programs and services including allocation of financial, physical and human resources in line with the government's policies and priorities

Actual Results:

- Departmental resources were allocated and utilized in line with government's policies and priorities; and the Minister's Mandate.

1 (b) Executive Support

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl. No.
	2018/19	2018/19		Over/(Under)	
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(1) Salaries and Employee Benefits	730	9.00	744	(14)	
(2) Other Expenditures	74	-	80	(6)	
Total Sub-Appropriation	804	9.00	824	(20)	

Strategy Management – 1C

Mandate

Create the environment that enables the department to define, communicate and achieve its strategic direction.

Programs, Activities and Expected Results

HIGH PERFORMANCE ORGANIZATION

Results-based Management

Expected Results

- Integration of the strategic direction throughout the organization.
- Merged strategic management systems with government wide balanced scorecards.
- Effective communication and decision making supported in an efficient manner.

Actual Results

- Integrated the strategic direction and Minister's mandate through branch planning.
- Improved department strategic implementation capacity through training 25 employees on balanced scorecards.
- Deployed more channels (e.g., monthly newsletters, quarterly webinars with Executives, social media) to improve internal communication within the department and external communication with our clients.

Efficient and Effective Public Service

Expected Results

- Employees are increasingly engaged.
- Specific activity has occurred in the promotion and adoption of the Transformation Strategy.
- Continuous advancements in effective management practices.
- All eligible staff have work plans and have completed a performance review.
- Create continuous improvement Key Performance Indicators (KPIs) in order to establish department's baseline and track progress.
- Resource a minimum of three lean projects within the department.

Actual Results

- Improved employee engagement and scored above provincial averages in most areas, according to 2018 Employee Engagement Survey.
- Increased promotion and integration of the Transformation Strategy in branch planning and staff meetings, continued participation in the Transformation Champions Network, and increased Executive support on service transformation initiatives (e.g., Bright Ideas).
- Continued to improve employee engagement and develop leadership capacity through the existing Management Capacity Program and new initiatives (e.g., Leadership Summit, Certificate in Indigenous Relations Program).

- Increased awareness of performance review and work plan requirements within the department, with 62% completed 2018-2019 work plans and 2017-2018 performance reviews.
- Participated in inter-departmental working groups to learn about best practices in performance evaluation, and explored performance indicator options applicable to public services.
- Assessed the potential of one lean project related to department program management.

Transformational Service Delivery

Expected Results

- Year one actions completed for each of the multi-year department communication strategies including French Language, Internal and External.
- An interdisciplinary team formed to explore and evaluate methodologies with appropriate data determined, collected and areas of improvement identified.
- Successful communications occurred with improved system efficiency.
- Service reviews completed and outcomes determined.

Actual Results

- Implemented year one activities as part of the internal and external communication strategies, including distributing monthly newsletters to over 3,000 subscribers and bi-weekly e-bulletin to all staff, and updating the department French Language Services Plan and staffing designated bilingual positions.
- Established a Communications Management Team to provide strategic leadership for communication activities.
- Created a department communication plan to address a multitude of communication needs, and staffed a liaison specialist position to support ministerial and executive communications.
- Completed service reviews in targeted areas and acted on recommendations.

1 (c) Strategy Management

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl.
	2018/19	2018/19		Over/(Under)	No.
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(1) Salaries and Employee Benefits	363	9.00	767	(404)	1
(2) Other Expenditures	107	-	240	(133)	2
Total Sub-Appropriation	470	9.00	1,007	(537)	

1. The variance is mainly due to vacant positions.

2. The variance is mainly due to expenditure management measures and lower costs due to vacancies.

Comptrollership Support Services

Division Mandate

Comptrollership Support Services Division provides assurances that financial and administration management practices are functioning to support departmental programming and risk management towards an efficient and effective government.

Financial and Administrative Services – 1D

Branch Mandate

The Financial and Administrative Services Branch leads the department's comptrollership function and advances financial, administrative, resource planning and risk management functions.

Programs, Activities and Expected Results

HIGH PERFORMANCE ORGANIZATION

Results-Based Management

Expected Results

- Accurate, relevant and timely information is provided and meets government and departmental management needs.
- The department has an effective comptrollership framework that provides useful financial and non-financial information, accessible throughout the department to support decision-making and facilitate management control.
- Resources are allocated to support departmental and government priorities and are managed in an efficient and effective manner.
- Adequate processes are in place to manage the department's risk.

Actual Results

- Completed the department's reporting requirements accurately and with increased efficiency.
- Continued to promote the completion of the Comptrollership Online courses offered through Organization and Staff Development.
- Led an integrated review of resources and established a prioritization tool for departmental executive to support management in an efficient and effective manner.
- Developed an audit plan for consideration based on assessed risks. Reviewed branches responses to various reporting requirements during year and at year end to monitor compliance with government requirements and identify opportunities for improvement.

Efficient and Effective Public Service

Expected Results

- Policies and processes are developed through consultation, consistent with central government policy, reflective of the department's operational needs, and accessible to staff on the intranet.
- Staff have the resources required to facilitate effective comptrollership through the adoption of best practices successfully implemented across the department. Staff are aware of and participate in comptrollership training requirements.
- Achieve an exemplary public service that is inclusive and reflective of the population we serve.
- Administrative requirements and reporting are managed and coordinated in a predictable and open manner ensuring departmental and governmental needs are met.

Actual Results

- Reviewed existing procedures through consultation and identified priority forms and processes to prioritize for digital and other improvements.
- Established a digital training initiative to enable staff to maximize the utility of existing technological resources to effectively and efficiently support reporting requirements to government and departmental management.
- Coordinated the Student Temporary Employment Program, with a continued focus on diversity in the workplace, and promoted the Inclusion and Diversity in the Workplace course offered through Organization and Staff Development.
- Completed the department's expenditure and revenue estimates; in-year and year end reporting requirements accurately and with increased efficiency.

Transformational Service Delivery

Expected Results

- Execution and completion of one branch lean project to improve and increase operational efficiency for both the division and branches across the department.
- Best management practices and lessons learned through internal audits/reviews are adopted and incorporated into policies and procedures.
- Financial systems are managed in a manner to support evidence-based decision making and maintain data entry.

Actual Results

- Completed internal division process improvements to resource tracking and prioritization. Departmental projects were deferred pending the completion of the government-wide Finance and Administration Consolidation review.
- Supported the completion of audits previously identified on the departments audit plan, and led information sessions to management based on high level lessons learned prior to the formal audit report.
- Continued to evaluate and update policies and procedures to ensure that the resultant processes support government direction; information is accurate; and supports management decision making.

1 (d) Financial and Administrative Services

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl.
	2018/19	2018/19		Over/(Under)	No.
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(1) Salaries and Employee Benefits	869	16.00	1,303	(434)	1
(2) Other Expenditures	209	-	335	(126)	2
Total Sub-Appropriation	1,078	16.00	1,638	(560)	

1. The variance is mainly due to vacant positions.

2. The variance is mainly due to expenditure management measures and lower costs due to vacancies.

Policy and Transformation

Division Mandate

Leads policy and program development and delivery that fosters an environment for competitiveness, adaptability, and sustainability of Manitoba's agriculture, agrifood and agriproduct sector.

Policy – 2A

Branch Mandate

Foster science-based policy analysis and development, effective program development and delivery relative to government priorities, and appropriate legislative and regulatory reform.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Farm Enterprise Business Management

Expected Results

- Launch CAP Ag Action Manitoba by April 2018. (Provincial program targets under development).

Actual Results

- Launched CAP Ag Action Manitoba in April 2018 with client-centric programs available for industry organizations and farmers.
- Approved 105 applications for farmers valued at \$297,300 and 68 applications for industry organizations valued at \$2.2 million under the program in year one.
- Established 12 performance targets across all activities and client types.

Business Risk Management

Expected Results

- Approved revisions to Business Risk Management (BRM) programs are cost neutral and in place by December 31, 2018.

Actual Results

- Participated in six conference calls with the BRM Review Task Team, making recommendations to Federal-Provincial-Territorial (FPT) Ministers in July 2018. Ministers asked officials to pursue further work and develop options for program changes to report back in March 2019.
- Participated in two in-person meetings and several conference calls of the FPT BRM Working Group, and two in-person meetings of the National Programs Advisory Committee (NPAC).
- Conducted two in-person consultation meetings in addition to unofficial discussions with producer organizations to gather input into the review and to monitor program and policy issues. As of March 2019, these discussions included emerging issues such as international trade restrictions and the risk of potentially devastating disease outbreaks in the pork sector.

Crop and Livestock Industry Development

Expected Results

- Identification of sector opportunities for strategy development during 2018/19.

Actual Results

- Conducted initial research on the hemp sector.

Agriculture Industry Leadership Development

Expected Results

- Development of a skill set matrix; a methodology for board member self-evaluation; and a valid survey for identified key partners.
- Increased board engagement with stakeholders through attendance at annual meetings and invitations to attend board meetings.

Actual Results

- Identified skill gaps and training opportunities across all boards, which will be reviewed annually. Continued training using Crown Services, the Manitoba Council of Appeal Tribunals, which advanced in house expertise. Survey development is underway.
- Met with Manitoba Farm Industry Board (MFIB) and four stakeholders groups, and attended two stakeholder group annual meetings. Manitoba Farm Products Marketing Council members attended annual meetings for seven out of eight producer boards established under The Farm Products Marketing Act.
- The Milk Prices Review Commission (MPRC) was dissolved and its functions were transferred to the Manitoba Farm Products Marketing Council effective June 4th, 2018.
- Attended annual meetings for nine out of 12 organizations designated under The Agricultural Producers' Organization Funding Act.
- Represented council met with staff and board representatives of seven out of eight producer boards, and met with staff of four designated organizations.

AGRIPROCESSING DEVELOPMENT

Agriprocessing Industrial Development

Expected Results

- Development of a proposal for reviewing policies outlining directions/options for new farm land ownership policy.
- Launch CAP Ag Action Manitoba by April 2018 (Provincial program targets under development).

Actual Results

- Reviewed Farm Lands Ownership Program, including a cross-jurisdictional scan, and developed a Farm Lands Ownership Policy. Reviewed 60 applications for exemptions under the Farm Lands Ownership Act, of which 55 were approved.
- Approved 26 applications to fund capital assets and equipment projects (\$5.6 million). Established 12 program performance targets for 2018.

Agriprocessing Sector Advancement

Expected Results

- Conduct industry consultation to determine industry issues, priorities, and needs for sector growth plans.
- Increased staff expertise in industry engagement methods and consultation skills.

Actual Results

- Consulted with industry in collaboration with the Food and Agri-Product Processing Branch (FAPP) on the cannabis edibles file, in anticipation of the regulations legalizing the sale of cannabis edibles (set to come into place by October 17, 2019). The focus was on the needs of industry, research capacity of the sector and economic growth opportunities in this area.
- Engaged and collaborated with other provinces to explore options focused on building Indigenous Stakeholder engagement and build on new sector opportunities.

HIGH PERFORMANCE ORGANIZATION

Results-Based Management

Expected Results

- Development of a reporting process for submission to support the strategy and advance the reduction of red tape.

Actual Results

- Developed processes to report and monitor regulatory requirements across the department.

Transformational Service Delivery

Expected Results

- Trained staff to support building trust, meaningful engagements and relationship development with Indigenous peoples and communities developed.
- Successful implementation of recommendations for the licensing program.
- Development and implementation of a client service dashboard.

Actual Results

- Delivered a Certificate in Indigenous Relations Program to support staff development in engagement and consultations. Eighteen Manitoba agriculture staff and one Manitoba Agricultural Services Corporation (MASC) staff participated and received certificates of completion. Trained staff collaborated with other staff members to initiate early dialogue with communities and Indigenous political organizations.
- Implemented a plan for eliminating unnecessary red tape and improving online capabilities for the department licensing and permitting programs.
- Continued to develop the GO Action Manitoba - Grant Management System (GMS), with anticipated implementation in 2020. The GMS will have the functionality to create and support data outside the GMS, to measure client service standards for the CAP Ag Action Manitoba. Engaged with the province development team to understand the status of dashboard development.

2 (a) Policy

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl. No.
	2018/19	2018/19		Over/(Under)	
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(1) Salaries and Employee Benefits	2,481	30.00	2,703	(222)	
(2) Other Expenditures	335	-	634	(299)	1
(3) Grant Assistance	-	-	-	-	
Total Sub-Appropriation	2,816	30.00	3,337	(521)	

1. The variance is mainly due to expenditure management measures and lower costs due to vacancies.

Transformation – 2B

Branch Mandate

Ensure industry-leading knowledge and technology solutions are available to effectively inform government policies, deliver client programs and engage the public.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Farm Enterprise Business Management

Expected Results

- Distribution of 2019 Seed Manitoba publication to facilitate informed crop variety decisions by growers.
- Facilitation of three summer tours to educate producers on the results on the crop variety plots thereby increasing industry competitiveness.
- Launch and maintain online MB Crop Variety Evaluation Trials (MCVET) variety identification field tour tool that allows producers to select and visually compare newly registered cereal varieties grown under the same conditions at three growth stages throughout the growing season.
- Fund research applications to develop new products and/or practices that will be adopted and transferred to the agriculture value chain.

Actual Results

- Conducted an evaluation with MCVET of nine crop types at 15 locations in Manitoba with a total of 2,451 plots (e.g., Spring Wheat 822, Barley 285, Oats 255, Flax 55, Durum Wheat 102, Peas 504, Fall Rye 120, Winter Wheat 90, and Lentils 108). Yield and protein data from these plots were published in 2019 provincial seed guide entitled "Seed Manitoba". 9,600 copies of the 2019 Seed Manitoba were printed and distributed to seed growers, farmers, seed companies and provincial agriculture offices.
- Facilitated three summer tours in Arborg, Roblin and Swan River in parallel with Prairies East Sustainable Agriculture Initiative Inc. (PESAI), Parkland Crop Diversification Foundation (PCDF), and New Era Ag Research field days.
- Developed an MCVET variety identification tool in collaboration with Manitoba Seed Growers Association and Glacier FarmMedia. MCVET Online Field Tour tool includes images of newly registered wheat, barley and oats varieties taken at three growth stages at Portage and Thornhill locations. This tool will be available for producers in fall 2019.
- Accepted two research and innovation intakes yielding 217 applications. Approved 42 applications for \$8.4 million during the first intake, supporting projects related to Agri-Resources, Economics and Market Analysis, Livestock Production, Grain Innovation and Processing and Value-Added.

Agriculture Industry Adaptation

Expected Results

- Improved industry competitiveness by better and informed decision making.

Actual Results

- Compiled, analyzed, and published datasets on prices, inventories, production, marketing, sales, exports and imports of commodities, food, and agriproducts. Over 1,000 data-enriched reports were available online as of March 2019.
- Prepared market and industry intelligence reports for internal and external clients, including weekly crop and livestock price reports, and special reports for crops, livestock, food, farm income, and trade.
- Provided historical statistics on finance, crops, livestock, weather, land, and agrifood.
- Reduced overpayment risk for BRM programs by improving accuracy of market information.
- Developed eight economic indicators that help to measure the resilience of the agrifood sector to weather variabilities, international commodity price fluctuations, and trade policies.
- Prepared two industry performance reports, and published one trend report on financial performances of the Manitoba's primary agriculture sector, against which individual farms could benchmark financial performance at the farm-level.
- Conducted economic impact analysis for the agrifood sector and disseminated the analysis results through presentations at webinars and workshops.
- Collaborated with other branches and/or research institutions on the market and economic analysis projects that address critical issues (e.g. carbon benefits of forage production, foreign farmland ownership, impacts of livestock expansion on property value) related to Manitoba's agriculture industry.

Crop and Livestock Industry Development

Expected Results

- Increased availability of market data and information.
- Feasibility report available to ascertain forage variety testing requirements for the forage industry.
- Increased number of research and development collaborative projects.
- Implementation of regional CAP Ag Action Manitoba projects.

Actual Results

- Provided market intelligence and economic analysis support to the development of sector strategies (e.g. protein, feed, livestock, cannabis) and provincial documents for Manitoba's investment attraction, negotiation with financial institutions, and provincial budget and reporting.
- Supported CAP project development and proposal evaluation, and coordinated project management for strategic initiatives (e.g. Potato Industry Deep Dive project, and socio-economic impacts of agri-health research).
- Published 102 weekly grain, oilseed and livestock market price reports, and two special forage market reports that inform business transactions and decisions.

- Published and upgraded six industry sector profiles (e.g. canola, pork, and beef) in collaboration with sector councils.
- Approved 14 CAP projects from academic and research institutions for \$2.0 million to conduct research in collaboration with industry associations or other stakeholders.
- Awarded an operational grant of \$782,000 to the University of Manitoba to engage agricultural education and research activities that improve competitiveness, sustainability and adaptability in Manitoba's crop and livestock industries.
- Co-invested \$511,000 in CAP funding in three regional research projects with the Western Grains Research Foundation.

Agriculture Industry Leadership Development

Expected Results

- Development of criteria for assessment of CAP Ag Action Manitoba Research and Intelligence proposals. Sharing of documentation with industry partners who have research programs.
- Completed needs assessments for five agricultural organizations through commodity group consultations.
- Increase in number of agriculture graduate students educated/trained in grant applications through participation in funding workshops.

Actual Results

- Developed a technical assessment form for the CAP Ag Action Manitoba program Research and Innovation activity that assesses the following criteria for proposals: scientific merit or originality of the project, research approach, financial and delivery risks, the capability of the research team and knowledge transfer plan and shared with interested industry partners.
- Nine members from the agriculture and agrifood industry were appointed by Minister Eichler in June 2018 to the Manitoba Agriculture Research and Innovation Committee (MARIC). MARIC's mandate is to recommend funding for research in Manitoba that accelerates the agrifood sector's contribution to economic growth through the facilitation of an approach that is strategically coherent, transparent, accountable, quantifiable, affordable and supported by stakeholders & the public.
- Consulted one-on-one with several producer organizations to identify their research needs.
- Discussed with academic institutions the need to hold grant application training workshops in 2019-2020 focusing on sustainable protein, animal disease risk management, public trust and communication, and soil and water quality.

AGRIPROCESSING DEVELOPMENT

Agriprocessing Industrial Development

Expected Results

- Expanded trade, supply and disposition reports in current and historical timeframe for key and emerging markets; access to a new series of agrifood market analysis and projection; and more comprehensive indicators for economic analysis.

Actual Results

- Conducted 70 sectoral and situational market analyses to support domestic and international trading with major partners, including the United States, China, Japan, Mexico, European Union, India, and Korea.
- Prepared and published seven reports on the trends in food and beverage manufacturing sales, export, import, trade balance, top markets, and top exports.
- Provided trade statistics and analysis to assess potential impacts resulting from local and/or global production situations, market conditions and/or trade actions.
- Prepared four reports evaluating direct and indirect economic impacts the agriprocessing sector and related economic sectors and ROI, and analyzing key issues (e.g. labour, market access, land ownership) in the agriculture and agriprocessing supply chain.
- Collaborated with sector councils and other jurisdictions (e.g. Saskatchewan) and completed two international market research projects to identify trade diversification opportunities in Canada-European Union Comprehensive Economic Trade Agreement (CETA) and Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) countries.

Agriprocessing Sector Advancement

Expected Results

- Increased availability of market data and information, and improved access to information to enhance decision making capability.
- Increased research and development projects on food and agriproduct production supported through CAP Ag Action Manitoba and the grant to the University of Manitoba.

Actual Results

- Engaged in sector planning activities, and contributed to the development of sector strategies including Manitoba Protein Advantage Strategy, Livestock Growth Strategy, Feed Grain Strategy, and Cannabis Edible and Cannabidiol (CBD) Economic Development Strategy.
- Collaborated with Statistics Canada, Manitoba Finance, other jurisdictions and data and analytical service providers in securing data and intelligence required for decision making by our internal and external clients and sharing information through multiple communication channels (e.g. internet, intranet, social media, and webinars).
- Approved four CAP projects related to food and agriproduct processing totaling \$708,000 on topics related to bio-product processing and development, plant protein processing and benefits to agri-health.
- Invested \$34,000 in CAP funding in two strategic initiatives led by the Department of Food and Human Nutritional Sciences, University of Manitoba to grow the agriprocessing industry in Manitoba. As a result, 15 highly qualified personnel were trained, five new food technologies were demonstrated, and two new technologies were utilized. In addition, two knowledge transfer events were held with a total of 100 participants.

HIGH PERFORMANCE ORGANIZATION

Results-based Management

Expected Results

- A department public trust strategy that meets the need of agriculture.
- Research review, including inter-jurisdictional scan, inventory of staff resources and activities, stakeholder input, policy review, return on investment calculation completed and outcomes determined.

Actual Results

- Participated in national taskforces (e.g. FPT Public Trust Working Group, Public Trust Steering Committee) and worked with key stakeholders (e.g. Canadian Centre for Food Integrity, commodity groups, indigenous communities) to collect consumer, industry and government intelligence.
- Developed a framework that outlines key components and processes for a public trust strategy that identifies opportunities for the department and partners to build public trust to sustain the growth of Manitoba's agriculture and agriprocessing sector.
- Conducted a research review including an inter-jurisdictional scan, inventory of staff resources and activities, stakeholder input, policy review and return on investment calculation.

Efficient and Effective Public Service

Expected Results

- Expanded and improved knowledge transfer to internal and external clients, and improved intelligence service delivery.

Actual Results

- Represented Manitoba on five national and international working groups (FPT Ag Statistics, FPT Export Market Access Consortium, FPT Farm Income Forecast, FPT Forecast Methodologies, Livestock Marketing Information Center), and participated in collaborative projects to ensure accuracy of market and industry information for Manitoba.
- Participated and presented at industry and sector council annual general meetings (e.g. Ag Days, Grain World, Manitoba Pork Council, Manitoba Beef Producers, Keystone Agricultural Producers, Hams Marketing Services), to facilitate knowledge transfer while building rapport with stakeholders.
- Organized two Ag Statistics 101 Series events to facilitate market intelligence transfer and analytics training that attracted close to 100 people in total.
- Published 352 industry/market intelligence reports (weekly, monthly and annual), an increase of 42 reports from 2017. The Markets and Statistics website registered 143,000 visits in 2018, up to five per cent from 2017. About 80 per cent of our clients accesses our website through the Manitoba government website and direct bookmarks/favourites.
- Responded to approximately 300 market intelligence and economic analysis inquiries from governments and industries in 2018, up by 20 per cent from 2017.

Transformational Service Delivery

Expected Results

- A three-year Information Technology (IT) strategic plan for the department developed.
- Address 100% of requests by analyzing the request, providing resolution to issues, communication, documentation and engaging partners.
- Improved public service, performance management and communication consistency, and enhanced collaborations for economic development.
- Increased awareness of research programming through 10 workshops/webinars conducted on the research and innovation stream of CAP Ag Action Manitoba and Grain Innovation Hub (GIH).

Actual Results

- Developed and implemented a three-year IT strategic plan in coordination with the IT Investment and Demand Planning Process.
- Responded to and addressed 100 per cent of the requests for IT Services.
- Built government-wide recognition of the Foresight and Analysis unit as the single-window source for all statistics and economic indicators related to Manitoba's agriculture and agriprocessing sector.
- Published one ag statistics factsheet on the Manitoba Government Internet, updated statistics data on the Intranet, and distributed over 1,200 copies of ag statistics factsheet at events (e.g. Ag Days, public consultations) to ensure communication consistency and transparency.
- Initiated and participated in collaborative projects with research institutions (e.g. University of Manitoba), producer groups, and other stakeholders to provide training and knowledge transfer opportunities (e.g. Internship, Ag Statistics 101 quarterly webinars) in order to advance overall market and economic analysis capacity for Manitoba's agriculture and agriprocessing sector.
- Facilitated two workshops (industry stakeholders and the University of Manitoba researchers) to increase awareness of CAP Ag Action Manitoba Research and Innovation Activity and GIH with over 184 participants.
- Conducted one webinar for internal staff about the Manitoba Ag Action Research and Innovation Activity and GIH. Discussed with internal staff involved with technical assessments of research projects submitted under the CAP Ag Action Manitoba Research and Innovation Activity and GIH at twelve meetings.

2 (b) Transformation

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl.
	2018/19	2018/19		Over/(Under)	No.
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(1) Salaries and Employee Benefits	1,855	26.00	2,129	(274)	1
(2) Other Expenditures	385	-	559	(174)	2
(3) Grant Assistance	1,115	-	1,115	-	
Total Sub-Appropriation	3,355	26.00	3,803	(448)	

1. The variance is mainly due to vacant positions.

2. The variance is mainly due to expenditure management measures and lower costs due to vacancies.

Food Development Centre – 2C

Mandate

Provide research and commercialization infrastructure and expertise to accelerate industry-level strategies (e.g. protein, livestock, functional food and nutraceuticals) to increase value-add of Manitoba produced commodities.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Agriculture Industry Adaptation

Expected Results

- Collaboration results in the exploration/creation/development of new products and quality control programs.

Actual Results

- Developed plant protein concentrates for four companies.

Crop and Livestock Industry Development

Expected Results

- An extraction protocol for cannabidiol (CBD) and/or other innovations are developed.

Actual Results

- Applied for a cannabis research license.

Agriculture Industry Leadership Development

Expected Results

- Methodologies identified on how to measure economic value indicators and track the number of active Food Development Centre (FDC) clients who are also active Food and Beverage Manitoba (FABMB) members.
- Completion of five initiatives. For example, workshops, seminars on topical subject areas, Food Summit.

Actual Results

- Provided FDC services to three FABMB members.
- Continued collaboration with the National Research Council (NRC) and hosted technical seminars in partnership with NRC, hosted workshops on equipment capability for the FAPP group, delivered presentations at Pulse Research Workshop, Ag Awareness Day, Ag Days, and the Protein Industries Canada Summit.

AGRIPROCESSING DEVELOPMENT

Agriprocessing Commercialization and Business Development

Expected Results

- Development and implementation of a program to increase production capacity in the agriprocessing sector.

Actual Results

- Developed a contribution agreement with the NRC to support eligible clients in their research projects. Funded through Transformation Capital Fund to purchase protein equipment for increased capacity to support the Manitoba Protein Advantage Strategy.

Agriprocessing Industrial Development

Expected Results

- Completion of 10 needs assessment for medium and large companies using survey data/interviews with department staff.

Actual Results

- Completed an analysis in 2018-2019 with FAPP of 124 subject matter expert surveys/interviews (Agrifood Processing Industry Consultations report). Key highlights specific to FDC were: 71 per cent expect to invest in product/process research and development within the next five years; 71 per cent expect to add entirely new product lines; 28 per cent plan to use FDC to reformulate or add new products.

Agriprocessing Sector Advancement

Expected Results

- Increased processing and utilization of food ingredients.

Actual Results

- Developed 19 ingredients from agricultural commodities, an increase of 46 per cent from 13 ingredients in 2017-2018.

HEALTHY PEOPLE, PLANTS, ANIMALS AND LANDSCAPES

Agrifood Safety

Expected Results

- Increased number of clients, projects or revenue by 10 per cent.

Actual Results

- Created 15 Hazard Analysis and Critical Control Point (HACCP) plans, an increase of seven per cent from 2017-2018 (14 plans). Conducted shelf-life testing for 25 products, up by nine per cent from 2017-2018 (23 products).

Agri-Resource Management

Expected Results

- Completion of projects with three companies to decrease processing effluent or identification of alternative issues.

Actual Results

- Determined process to valorize egg processing co-stream. Continued development of process for chicken co-stream. Continued process development for milling co-stream.

HIGH PERFORMANCE ORGANIZATION

Results-based Management

Expected Results

- Development of comptrollership plan supported by business metrics, service standards, and performance measures.

Actual Results

- Collected metrics towards analysis of business model activities.

Transformational Service Delivery

Expected Results

- Mapping of FDC project management process, resulting in a consistent process to be applied to client projects and communicated to clients and stakeholders via presentations and website.

Actual Results

- Completed process mapping and communication to staff for implementation in 2019-2020.

2 (c) Food Development Centre

Expenditures by Sub-Appropriation	Actual 2018/19 \$(000s)	Estimate 2018/19 FTEs	Variance Over/(Under) \$(000s)	Expl. No.
Grants and Transfer Payments	2,383	-	2,020	363
Total Sub-Appropriation	2,383	-	2,020	363

1. The variance is due to the funds required to facilitate the equipment purchase for the Transformation Capital Fund Plant-based Protein Extraction Project.

Grain Innovation Hub – 2D

Mandate

Develop and commercialize innovations in the strategically important grains (including cereals, oilseeds and pulses) sector that enhance grain production, processing and consumption.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Farm Enterprise Business Management

Expected Results

- Increased number of proposals received and successfully funded by grain innovation related to the adoption and transfer of new products and practices.

Actual results

- Conducted two research and innovation intakes accepting 72 research applications under the GIH program. Approved 18 projects for \$2.9 million during the first intake, to develop products and practices that may be adopted or transferred to the grain value chain.

Agriculture Industry Adaptation

Expected Results

- Facilitation of workshops related to crop and livestock production to mitigate climate change. Workshops will involve members of the agricultural value chain including commodity associations to encourage the development of a collaborative approach to mitigate climate change.

Actual Results

- Awarded \$58,000 to Manitoba Wheat and Barley Growers Association (MWBGA) and the University of Manitoba to conduct climate change mitigation related research activities, in the areas of excess moisture in wheat, tile drainage and water management in Canola and soybeans. Research intelligence staff collaborated with Agri-Resource, Primary Agriculture and University of Manitoba to identify greenhouse gas (GHG) mitigation strategies to be presented at future workshops.

Crop and Livestock Industry Development

Expected Results

- Development of research proposals related to regional grain collaboration to improve agronomics, pest resistance and quality attributes.

Actual Results

- Awarded \$77,000 to National Sunflower Association of Canada (NSAC) to develop herbicide-tolerant confection sunflower hybrids which are highly adapted to Canada. This project is jointly funded through the Western Grains Research Foundation and the Diverse Field Crops Cluster under CAP.

AGRIPROCESSING DEVELOPMENT
Agriprocessing Sector Advancement

Expected Results

- Increased number of research and innovation projects funded that develop co-stream utilization products and decrease waste management.

Actual Results

- Awarded \$80,000 to University of Manitoba to determine the free asparagine in Canadian Western Red Spring wheat, and identify effective mechanisms for its reduction.

2 (d) Grain Innovation Hub

Expenditures by Sub-Appropriation	Actual 2018/19 \$(000s)	Estimate 2018/19 FTEs	Variance Over/(Under) \$(000s)	Expl. No.	
Grant Assistance	2,667	-	3,000	(333)	1
Total Sub-Appropriation	2,667	-	3,000	(333)	

1. The variance is mainly due to a projects delayed to 2019/20.

Risk Management, Credit and Income Support Programs

Manitoba Agricultural Services Corporation (MASC) – 3A

Mandate

Enhances financial stability in rural Manitoba by providing risk management solutions, lending options and other programs and services to address emerging needs.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Business Risk Management

Expected Results

- Insure \$2.7 billion of AgrilInsurance liability, covering 9.4 million acres and 8,400 farm operations.
- Provide \$1 billion of hail insurance liability, covering 4.5 million acres and 4,100 farm operations.
- Provide \$4.4 million in wildlife damage compensation.
- Provide AgrilInsurance premium rebates totalling \$15,000 under the Young Farmer Crop Plan Credit Program.
- Insure \$52 million of liability under the Western Livestock Price Insurance Program (WLPPI), covering 51,500 animals for \$1.4 million in premium.

Actual Results

- Insured \$2.7 billion of AgrilInsurance liability, covering 9.5 million acres and 8,000 farm operations.
- Provided \$1 billion of Hail Insurance liability, covering 4.4 million acres and 3,800 farm operations.
- Paid \$7.8 million in wildlife damage compensation.
- Provided \$10,000 in AgrilInsurance premium rebates under the Young Farmer Crop Plan Credit Program.
- Insured \$65 million of liability under the WLPPI, covering 49,820 animals for \$1 million in premium.

Agriculture Industry Financing

Expected Results

- Administer a direct loan guarantee portfolio that facilitates \$978 million of credit to 3,000 Manitoba farm operations and rural businesses.
- Provide \$148 million in new loans through MASC's Direct Loan program, including \$28 million for the purchase/retention of feeder cattle.

- Facilitate \$91 million in private sector loans to farmers, by providing \$22.8 million in loan guarantees, which includes: \$36 million in loans (facilitated by \$9 million in guarantees) to cattle producers through the Manitoba Livestock Associations Loan Guarantee Program; \$20 million of loans (facilitated by \$5 million in guarantees) through the Diversification Loan Guarantee program; and \$35 million in operating loans (facilitated by \$8.8 million in guarantees) through the Operating Credit Guarantees for Agriculture program.
- Provide interest reductions of \$1.6 million through the Young Farmer Rebate.
- Facilitate \$3.5 million in new term loans to rural small businesses by providing \$2.8 million in guarantees through the Rural Entrepreneur Assistance program.
- Facilitate \$0.4 million in operating loans to rural small businesses by providing \$100,000 in loan guarantees through the Operating Credit Guarantees for Rural Small Business program.

Actual Results

- Administered a total direct loan and loan guarantee portfolio that facilitated \$1.1 billion of credit to 3,176 farm operations and rural businesses.
- Provided \$243.5 million in new loans through MASC's Direct Loan Program, including \$42.3 million for the purchase/retention of feeder cattle.
- Facilitated \$103.2 million in private sector loans for farmers, by providing \$25.8 million in loan guarantees, which includes: \$41.5 million in loans (facilitated by \$10.4 million in guarantees) to cattle producers through the Manitoba Livestock Associations Loan Guarantee program; \$25.9 million in loans (facilitated by \$6.5 million in guarantees) through the Diversification Loan Guarantee program; and \$35.8 million in operating loans (facilitated by \$9 million in guarantees) through the Operating Credit Guarantees for Agriculture program.
- Provided interest reductions of \$1.2 million through Young Farmer Rebates.
- Facilitated \$1.6 million in new term loans to rural small businesses by providing \$1.3 million in guarantees through the Rural Entrepreneur Assistance program.
- Facilitated \$0.4 million in operating loans to rural small businesses by providing \$100,000 in loan guarantees through the Operating Credit Guarantees for Rural Small Business program.

3 (a) Manitoba Agricultural Services Corporation

Expenditures by Sub-Appropriation	Actual	Estimate	Variance	Expl.	
	2018/19	2018/19	Over/(Under)	No.	
	\$(000s)	FTEs \$(000s)	\$(000s)		
(1) Administration and Lending Costs	15	-	6,595	(6,580)	1
(2) AgrilInsurance	50,914	-	52,369	(1,455)	2
(3) Wildlife Damage Compensation	4,054	-	2,259	1,795	3
Total Sub-Appropriation	54,983	-	61,223	(6,240)	

1. The variance is primarily due to an increase in net interest income due to higher loan volumes, a decrease in administrative expenses mainly due to lower AgrilInsurance claim volumes and staff vacancies, lower provisions for loan losses on emergency assistance loans and guaranteed loan losses and a decrease in costs for the Young Farmer Rebate; partially offset by an increase in provisions for loan losses on the regular loan portfolio due to an increase in the portfolio.
2. The variance is primarily due to a reduction in the provincial 24% share of premiums for AgrilInsurance due to a change in crop mix, partially offset by an increase in seeded acres.
3. The variance is primarily due to higher claim activity for crop damage from big game and waterfowl.

Agricultural Income Stabilization – 3B

Mandate

Provides Manitoba’s share of assistance under stabilization programs, intended to help farmers to manage significant financial risk to their operations.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Business Risk Management

Expected Results

- Completion of the forecasting review and outcomes determined.

Actual Results

- Identified solutions to budget accuracy and variability with Comptrollership Support Services Division. Accuracy in forecasting is subject to limitations including volatile production, market prices, and infrequent federal government forecasts provided twice annually.

3 (b) Agricultural Income Stabilization

Expenditures by Sub-Appropriation	Actual	Estimate	Variance	Expl.	
	2018/19	2018/19	Over/(Under)	No.	
	\$(000s)	FTEs \$ (000s)	\$(000s)		
(1) AgriStability	26,972	-	15,043	11,929	1
(2) AgriInvest	13,192	-	15,077	(1,885)	2
Total Sub-Appropriation	40,164	-	30,120	10,044	

1. The variance is mainly due to an increase in the federal forecast for expected payments related to the 2018 program, partially offset by an adjustment to prior years.
2. The variance is mainly due to a decrease in federally forecasted costs for expected payments related to the 2018 program and prior year adjustments.

Farmland School Tax Rebate – 3C

Mandate

Provide rebates of the school taxes charged on farmland.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Expected Results

- Increase net farm income, with additional spin-off benefits to rural communities.
- Support an equitable distribution of local education costs.

Actual Results

- Administered \$44.8 million in school tax rebates to 25,447 Manitoba farmland owners.

3 (c) Farmland School Tax Rebate

Expenditures by Sub-Appropriation	Actual	Estimate	Variance	Expl.
	2018/19	2018/19	Over/(Under)	No.
	\$(000s)	FTEs	\$(000s)	\$(000s)
Grants and Transfer Payments	45,513	-	44,862	651
Total Sub-Appropriation	45,513	-	44,862	651

1. The variance is mainly due to a 14.8% increase in school taxes, partially offset by the impact of capping rebates to a maximum of \$5K per related party and by lower salary and advertising costs.

Stewardship and Assurance

Division Mandate

Creates the environment for achieving optimal health for people, animals and the environment through One Health collaborative efforts that advance public and industry interests.

Food Safety and Inspection – 4A

Branch Mandate

Contribute to the security of the Manitoba food supply to safeguard the health of Manitobans and to ensure confidence in Manitoba's food system for the protection of trade and competitiveness of Manitoba's agrifood processing industry.

Programs, Activities and Expected Results

AGRIPROCESSING DEVELOPMENT

Commercialization and Business Development

Expected Results

- Complete building assessments and permit new establishments.
- Increase in permitted facilities.

Actual Results

- Completed 56 building assessments and issued 75 permits to new facilities, or those moved under new ownership.
- Increased by two facilities for a total of 461.

HEALTHY PEOPLE, PLANTS, ANIMALS AND LANDSCAPES

Regulatory Assurance Systems

Expected Results

- Amendment of the Food and Food Handling Establishments Regulation to cover processing plants and abattoirs in partnership with MB Health, Seniors and Active Living (HSAL).
- Development and implementation of an audit program for inspection programs.
- Enforcement of action and non-compliance data reports.
- Review and update the current water surveillance programs in provincially permitted processing facilities.
- Identification of potential surveillance projects.
- Continuation of antibiotic residue testing in provincial abattoirs.
- Maintenance of animal welfare standards in provincial abattoirs.
- Maintenance of inspection targets in high risk and medium risk plants in Category One.

- Inspection of provincially permitted abattoirs.
- Re-inspection of non-compliant operations.
- Review Livestock Industry Diversification and Elk Game Farming program oversight to help reduce the risk of disease introduction into Manitoba.

Actual Results

- Drafted changes to the food safety legislation for provincially permitted processing plants. Developed an abattoir regulation, and amended the Food and Food Handling Establishment Regulation.
- Developed a protocol for inspection documentation audits, with implementation pending.
- Identified 1,633 non-compliances during routine and re-inspections, conducted re-inspections in 285 facilities, reviewed on average 80 per cent of infractions within the expected period, and conducted escalated enforcement including nine warning letters, one ticket, two closures, and four seizures.
- Collected samples for Chronic wasting disease (CWD) in cervids presented for processing at provincial abattoirs. Collected samples for bovine surveillance sampling (brucellosis and blue tongue), scrapie, tuberculosis (TB) (suspects) on behalf of Canadian Food Inspection Agencies (CFIA).
- Continued testing of well water facilities and water bottling establishments.
- Met with Sustainable Development (SD) to discuss a future approach for water testing in Manitoba Agriculture permitted facilities.
- No surveillance projects identified.
- Conducted 110 tests at different provincial abattoirs.
- Audited animal handling, carcass dressing procedures, and hand/meat hygiene and abattoir sanitation for 23 provincially permitted abattoirs.
- Averaged 75 days for high risk and 150 days for medium risk, where the targets are 120 and 180 days respectively between inspections. On a monthly basis, there was an average of five high-risk facilities and 20 medium risk facilities with overdue routine inspections.
- Conducted 23,600 hours of meat inspection over 2,223 days in 25 provincially permitted abattoirs. Refer to Table 1 for further details.
- Conducted 285 re-inspections in facilities with non-compliances. Documented an average of 1.6 infractions per inspection.
- Adopted the national cervid identification program for farmed elk.

Table 1 Comparison of Animals Processed and Condemned in Manitoba Provincial Abattoirs

Species	2018		2017	
	Total provincial processed	% condemned	Total provincial processed	% condemned
Bison	157	0.64	215	0.93
Calves	2	-	9	-
Cattle	6,380	0.88	6,511	1.43
Chicken	126,585	0.44	136,746	0.73
Ducks	1,636	0.43	4,463	0.94
Elk	25	-	12	-
Geese	-	-	13,176	7.51
Goats	658	2.58	344	2.91
Horses	1	-	1	-
Lambs	2,165	0.32	2,217	0.45
Llama/Alpaca	-	-	7	-
Rabbits	214	-	579	1.21
Sheep	39	-	54	5.56
Spent Chicken Hens	-	-	16,704	0.62
Spent Turkey Hens	-	-	719	2.09
Swine	100,283	2.39	104,204	2.36
Turkey	2182	0.73	8,275	0.15
Wild Boars	15	-	-	-

Human, Animal and Plant Health and Welfare

Expected Results

- Development of revised risk assessment.
- Creation of technical documents for new products and processes.

Actual Results

- Developed an improved risk assessment model to assess inherent risk of product/process, compliance history, and facility condition currently pending implementation.
- None developed.

HIGH PERFORMANCE ORGANIZATION

Efficient and Effective Public Service

Expected Results

- Collaboration with other departments, where departments share common interests (MB HSAL, Food Borne Illness Protocol, CFIA).

Actual Results

- Collaborated with MB HSAL to modernize and streamline the food safety legislative framework, while ensuring competitiveness of the agrifood sector. Continued to work with MB HSAL to inspect permitted food establishments, investigate illegal food establishments, and follow-up on foodborne disease outbreaks. Worked with federal and provincial departments of health and agriculture on common food safety initiatives

Transformational Service Delivery

Expected Results

- Initiation of process to review inspection delivery models.
- Completion of review of delivery models from other jurisdictions.

Actual Results

- Piloted alternative approach to traditional meat inspection.
- Discussed with other provinces their approach to meat inspection.

4 (a) Food Safety and Inspection

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl.
	2018/19	2018/19		Over/(Under)	No.
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(1) Salaries and Employee Benefits	3,015	40.00	3,032	(17)	
(2) Other Expenditures	630	-	748	(118)	1
Total Sub-Appropriation	3,645	40.00	3,780	(135)	

1. The variance is mainly due to expenditure management measures.

Animal Health and Welfare – 4B

Branch Mandate

Provide leadership, technical expertise and an appropriate regulatory and enforcement framework to protect human, animal and plant health and industry competitiveness.

Programs, Activities and Expected Results

HEALTHY PEOPLE, PLANTS, ANIMALS AND LANDSCAPES

Regulatory Assurance Systems

Expected Results

- Report on the number of animal disease responses and investigations in Manitoba.
- Improved prevention detection and response to threats to public and animal health issues outside of developed programs such as toxic spills, and emerging zoonotic diseases.
- Effective response to animal welfare concerns in Manitoba with appropriate enforcement activities.
- Report on the number of animal welfare cases in Manitoba including inspection and enforcement activities.
- Methodology identification for tracking diagnostic testing that supports disease investigations.
- Creation of a collaborative response framework animal health and welfare for the department.
- Creation of a summary report of animal disease investigations.
- Finalize draft regulatory amendments to The Animal Diseases Regulations and The Animal Care Regulation.
- Review Herd/Flock health programs delivered, specifically the Hatchery and Hatchery Supply Flock program, under *The Livestock and Livestock Products Act* and *The Animal Diseases Act*.
- Completion of animal welfare program review and outcomes determined.
- Enhanced training to communicate about premises identification.
- Undertake animal health and welfare emergency preparedness response activities for key positions and new staff.
- Complete business requirements for the Decision Support System for Animal Emergencies.
- Methodology identification for tracking activities that supports animal welfare investigations and inspections data and statistics.
- Collaborative delivery with MB HSAL of zoonotic disease response programs (rabies).
- Development of industry driven and managed health and welfare programs.

Actual Results

- Initiated 14 disease investigations, including Porcine Epidemic Diarrhea Virus (PEDv), Infectious laryngotracheitis (ILT), anthrax and Salmonella Enteritidis (SE) (Figure 1). Conducted statistical analysis on risk factors for PEDv, and identified links in manure application, weather patterns and barn construction.
- Conducted animal health surveillance using existing data from abattoir inspection and laboratory diagnostics. Figure 2 indicates the case trends 2016 Q4 to 2018 Q4. More information available at <https://www.gov.mb.ca/agriculture/animal-health-and-welfare/animal-health/provincial-condemnation-rates.html>. Analyzed and interpreted surveillance information to inform regional and national surveillance networks.

Figure 1

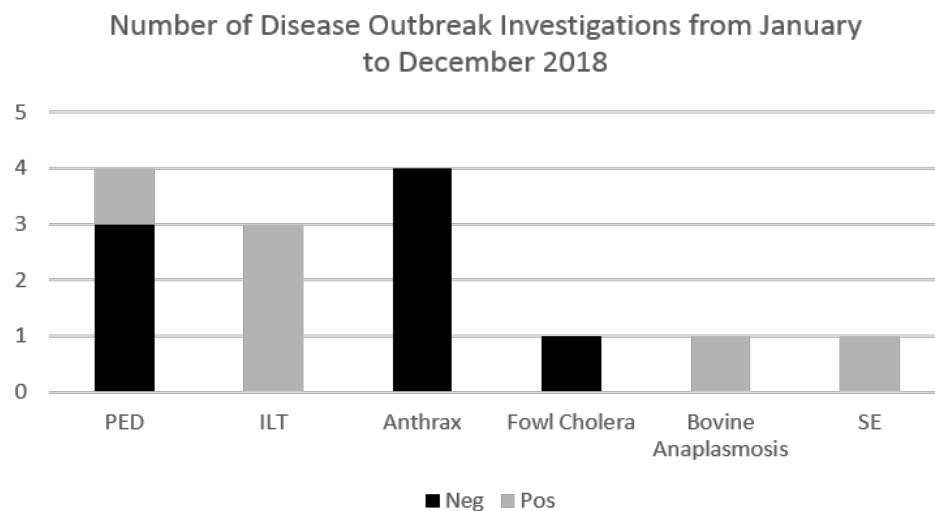
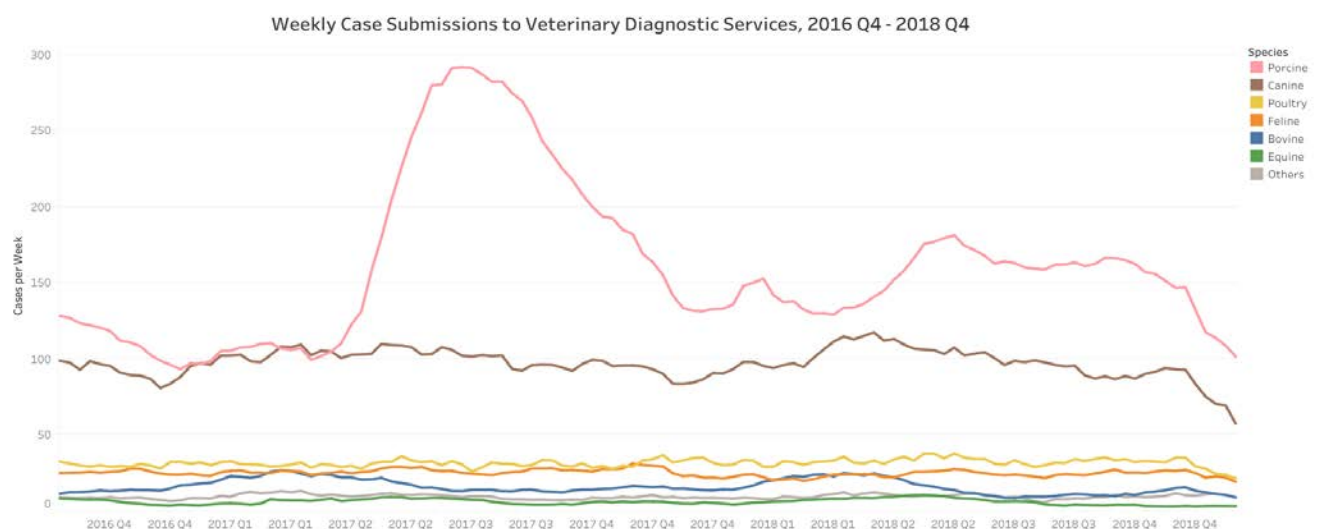


Figure 2



- Conducted inspections to total 1,054 concerns received from the Animal Care Line in 2018 (Table 2), and dismissed 179 cases that were deemed unjustified.

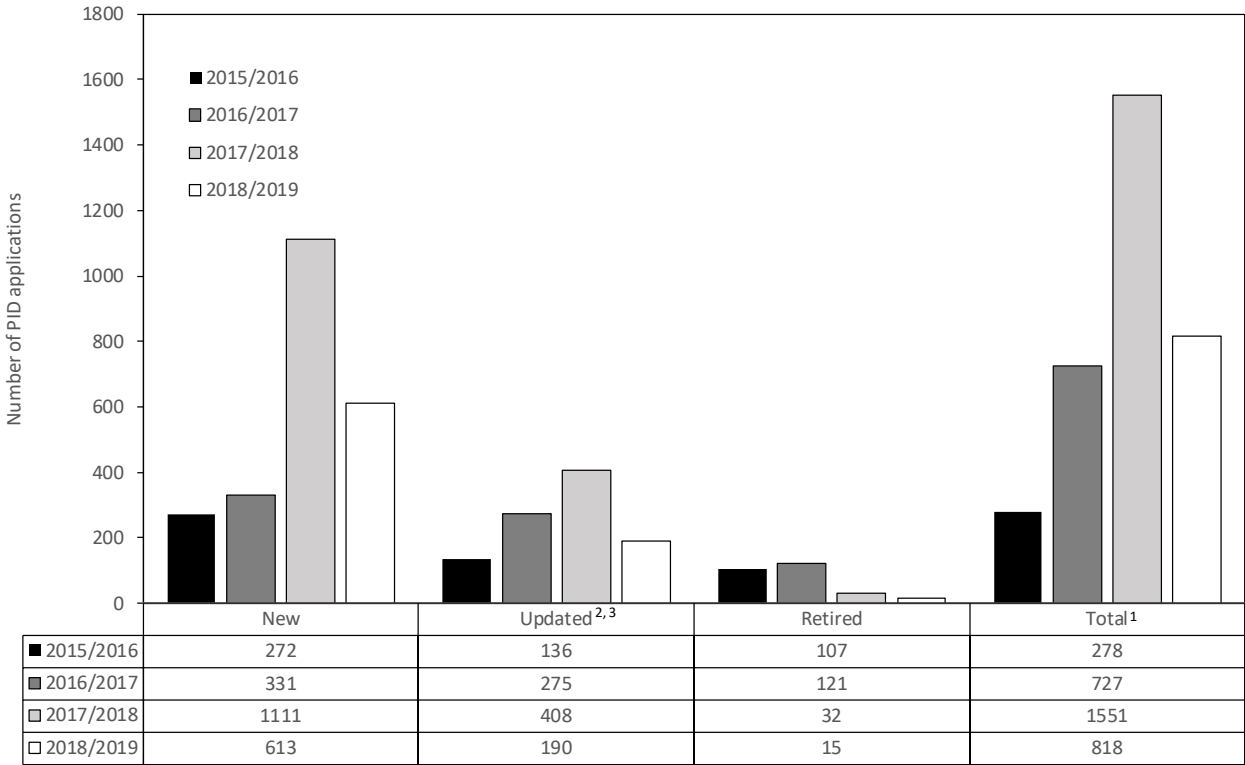
Table 2: Animal welfare case status

Total Cases	1054	
Case Status	Number of Cases	% of All Animal Welfare Cases
Non-Compliant	671	64%
Complaint Dismissed	179	17%
Inconclusive	52	5%
Abandoned	15	1%
Total	917	87%

Notes:

1. Complaint Dismissed: Owner is found to be providing care to animals in compliance with The Animal Care Act, resulting in the case being dismissed.
 2. Inconclusive: An Animal Protection Officer is unable to determine whether an owner is providing care to an animal in compliance with The Animal Care Act.
 3. The percentage of all animal welfare cases will not total 100% as multiple statuses may be associated with each case. Animal Welfare cases may still be on-going, therefore are not always complete.
- Identified a third-party consulting firm to undertake a review of the Animal Welfare Program completed in December 2018. The review is still under internal review.
 - Improved communication between animal health and animal welfare groups in activities to develop animal disease management and prevention programs and strategies.
 - No action was taken for the Animal Diseases Act.
 - Inspected 23 broiler breeder flocks, 9 turkey breeder flocks, and 6 layer breeder flocks under the Manitoba Hatchery and Hatchery Supply Flock Program, and 24 turkey flocks under the Manitoba Export Enhancement Program.
 - Initiated the review of the Animal Welfare Program.
 - Identified 613 new premises in the 2018/19 fiscal year (Figure 3). Maintained an additional 205 premises records in the past fiscal year.

Figure 3: Total number of new, updated and retired premises records in the Premises Identification database from 2015/16 to the end of the 2018/19 fiscal year.



Notes:

1. Statistics are based on all premises entered into the PID database. This includes all premises types, such as farms, vet clinics, Manitoba Agriculture inspected food processing facilities, fairs/exhibitions, etc.
 2. Updated premises includes those premises that were not newly added to the database in that given year. This stat does not reflect if a new premises was updated in the same year.
 3. The number of updated premises per month is subject to change throughout the year, does not reflect if a premises has been updated multiple times throughout a year, and the number may differ between reports (ex: if a premises is updated in March and then again in September, the number will only reflect the update in September).
- Completed premises identification for cattle, sheep, goat, and bison in anticipation of the proposed federal regulatory changes to the Health of Animals Regulations. All commercial livestock species have at least 75 per cent of all premises identified (Table 3).
 - Participated in the FPT Traceability Task Team, the Industry Government Advisory Committee, the Regulatory Implementation Committee and the Traceability National Information Portal User Acceptance Testing Management Committee to shape policy and increase participation in traceability systems in advance of the proposed regulatory changes.
 - Applied Premises Identification (PID) Program data in over 13 different events in the 2018/19 fiscal year (Figure 4).

- Assessed PID uptake statistically based on targeted communication events. PID promotion at livestock auction marts statistically increased the number of new or updated PID records. A slight increase in uptake was observed during Beef and Forage Week, with assistants from the Primary Agriculture Branch, and Ag Extension Coordinators organizing and coordinating attendance.

Table 3: Manitoba Premises Identification Program statistics on the number of premises validated and number of premises left to be validated by each premises type

Premises Type	Premises validated	Estimate of number of premises ¹	% of premises completed ²	Number of premises left to be validated
All Premises ³	7,925	NA	NA	NA
Total Premises (Farm/Feedlot/Hatchery)	6,664	NA	NA	NA
Farm Types				
Cattle	4,864	6,499	75	1,635
Hogs ⁴	1,181	665	178	0
Bison	77	86	90	9
Sheep	569	522	109	0
Goats	249	310	80	61
Equine	1,241	2,335	53	1,094
Birds ⁵	1,155	1,768	65	613
Supply Managed Farm Types⁶				
Dairy Cattle	396	399	99	0
Poultry (Layers)	755	152	497	0
Poultry (Broiler)	578	115	503	0
Poultry (Turkey)	172	67	257	0
Poultry (Hatching Egg)	68	24	283	0
Commingling/Intermediate Sites				
Veterinary Clinics ⁷	65	53	123	0
Auctions	10	10	100	0
Assembly Yards	17	10	170	0
Abattoirs	37	32	116	0
Dead Stock Operator	1	1	100	0
Fairs/Exhibitions	61	59	103	0
Rendering Facility	1	1	100	0

¹ All estimates of the number of premises are based on 2016 Statistics Canada census of Agriculture information. These values were used as they were the only way to compare PID's remaining across all provinces and territories in Canada.

² The percentage of premises completed may exceed 100% as there were more of each premises identified in Manitoba than declared in the 2016 Statistics Canada census of Agriculture survey.

³ Includes all validated premises types in addition to farms, feedlot and hatchery premises types, including food-processing facilities, egg graders, honey processing facilities, livestock transport truck washes, licensed animal disposal sites and wildlife rehabilitation centres.

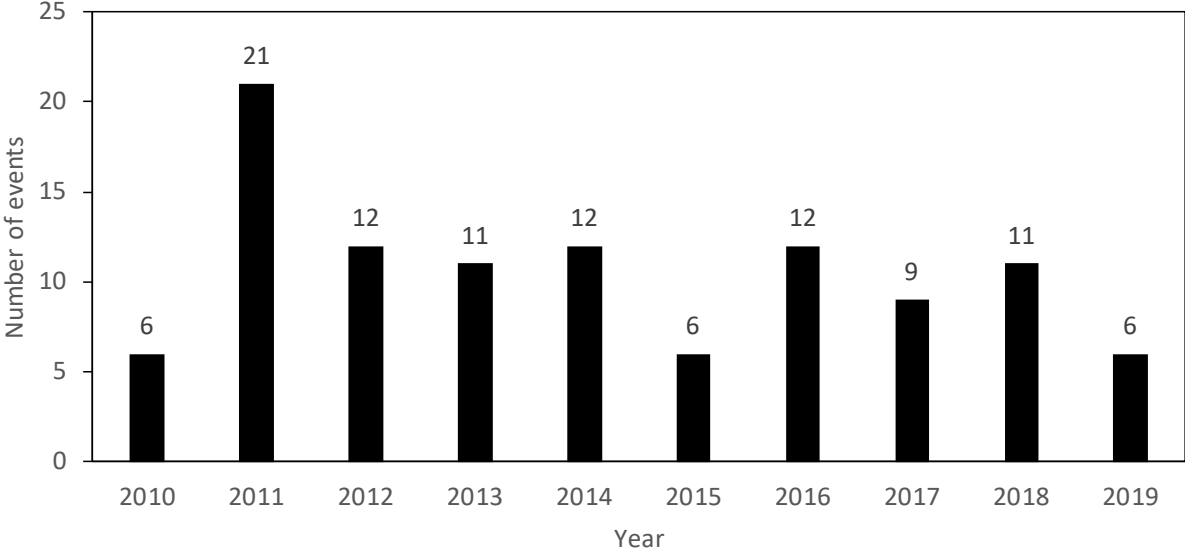
⁴ All commercial hog operations in Manitoba are 100% identified with a premises identification number. This value exceeds 100% because it includes both commercial and backyard premises.

⁵ Bird premises types are based on the 2016 Statistics Canada values of total farms reporting birds.

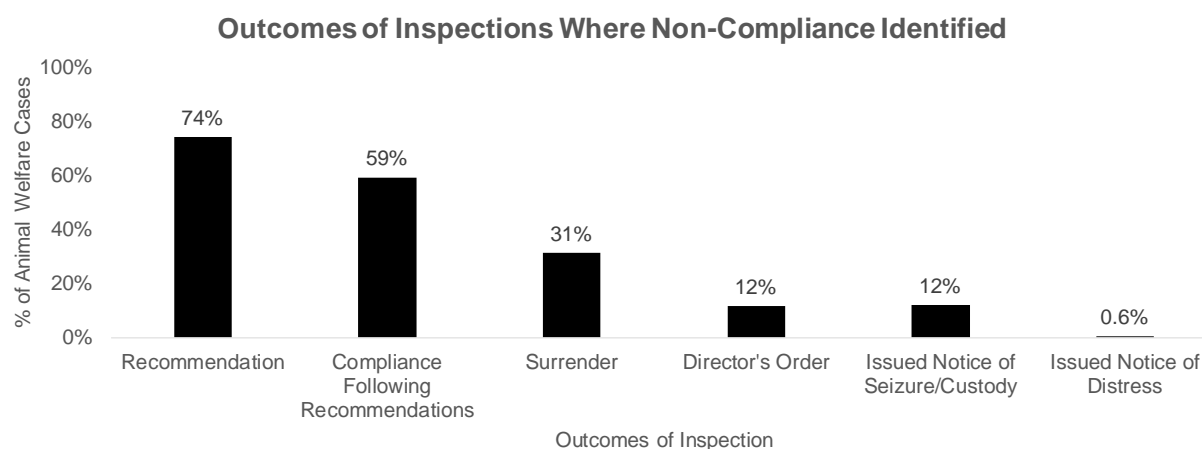
⁶ All supply managed farm types in Manitoba are 100% identified with a premises identification number. In most cases, these values exceed 100% because they include both supply-managed and backyard premises.

⁷ All estimates of the number of veterinary clinics based on 2016 Statistics Canada census of Agriculture data also includes small animal practices. The numbers of veterinary clinics reported in Manitoba with a validated premises identification number are practices that only treat or consult with livestock or poultry.

Figure 4: The total number of events by year that the data within the PID database has been used.



- Updated the annual process for premises after two years.
- Shared emergency response information for flood-impacted regions identified by the Emergency Measures Organization. Working to develop an emergency response framework for animal health emergencies across the department, including allocation of resources and staff training. The plan will use African swine fever (ASF) as the basis for moving forward.
- Re-visited Decision Support System for Animal Emergencies (DSSAE) business requirements.
- Software planning with Business Transformation and Technology (BTT) for the next three years.
- In the area of Animal Welfare:
 - Resulted in Voluntary Surrender of Animals in 210 instances.
 - Resulted seizure of animals in 82 instances.
 - Issued director’s orders in 78 instances.
- Made 499 instances of recommendations made to achieve compliance (Figure 5).
- In the 2018 calendar year, there were three animal welfare cases that involved executing a warrant, there were 57 tickets issued, and two cases resulted in long-form prosecution (Table 4).
- Completed the PED Lessons Learned document.

Figure 5**Table 4: Animal welfare enforcement**

Total Number of Non-Compliances	671	
Case Status	Number of Cases	% of All Animal Welfare Cases
Tickets	57	8.5%
Justice's Orders	4	0.6%
Probation Orders	0	0.0%
Prohibition Orders	2	0.3%
Prosecution	2	0.3%
Total	65	9.7%

Human, Animal and Plant Health and Welfare

Expected Results

- Diagnostic tests conducted by Veterinary Diagnostic Services (VDS).
- Develop and expand regional and national animal health initiatives by collaborating on disease reporting projects and collaborate in the development of broader regional surveillance networks.
- Improved efficiency and quality of programming that involves collaboration with multiple government departments such as zoonotic infectious disease, toxic hazards, and antimicrobial resistance efforts that include agricultural, veterinary and public health components.
- Update of existing disease response plans and development of additional emerging disease response plans as required (CWD, Porcine Epidemic Diarrhea Virus, other emerging issues).
- Continue to enhance diagnostic collaboration with other labs.
- Provide technical resources for animal disease management activities (on farm assessment for TB).
- Initiate conversation regarding bee health.
- Promote effective biosecurity and disease prevention across multiple sectors through technical support and program validation.
- Quality Assurance system reviewed and opportunities for improvement identified.

- Review all test methods and update as necessary.
- Implement three new diagnostics tests.
- Updated test catalogue developed.

Actual Results

- Received 17,901 lab submissions from clients. VDS conducted 137,147 diagnostic tests. Testing completed on 84 per cent of swine and poultry samples, reflecting the nature of Manitoba's animal industries (Table 5).

Table 5: Laboratory tests done at VDS from April 2018 to March 2019.

Animal Type	Number of Tests	Percentage
Swine	85,167	62%
Chickens and Turkeys	29,624	22%
Cattle, Sheep and Goats	6,821	5%
Horses	904	1%
Dogs and Cats	11,053	8%
Other	3,578	2%
Total	137,147	100%

- Provided input and leadership through the Canadian Animal Health Surveillance System (CAHSS) group to move the network into the joint industry/government oversight under the National Farmed Animal Health and Welfare Council (NFAHWC). Moved surveillance projects forward in the beef dairy and swine subgroups. Provided technical expertise to the Canada West Swine Health Intelligence Network which expanded its surveillance capacity for swine diseases in western Canada.
- Led through Veterinary Epidemiology and Surveillance Network the development of a disease case definition framework to have a consistent approach to developing disease case definitions. Engaged with national effort to establish a trusted network for improved reporting of emerging disease nationally and internationally through the Community of Emerging and Zoonotic Disease. Provided provincial expertise to national surveillance efforts related to rabies and bioterrorism.
- Collaborated provincially and nationally on emerging One Health issues including Antimicrobial Use and Resistance, and CWD. Improved national rabies and the Canadian Emerging and Zoonotic Diseases surveillance system. Continued to provide provincial, national and international leadership to the One Welfare initiative including psychological health issues related to agricultural and veterinary crises.
- Updated the province's PED response plan to address seasonal variation and key high-risk geographic regions, based on analysis of 2016, 2017 and 2018 outbreaks. Worked with SD and national partners to revamp the existing CWD provincial and national response plans following the changes to the CFIA's Policy. Initial documentation for a joint treasury board submission has been initiated. Led a planning session for ASF with regional CFIA and the Manitoba Pork Council. The outcome of this session led to a 2019 initiative for a Western Canada approach to ASF preparedness.

- Hosted Canadian Animal Health Laboratorians Network annual meeting in June 2018. Continued VDS participation as a CAHSN network lab. Added ASF virus Polymerase Chain Reaction (PCR) to the VDS CAHSN scope. Engaged with Cadham Provincial Laboratory to facilitate whole genome testing for salmonella, and with IDEXX laboratory to validate expanding Echinococcus diagnostic capacity in Canada.
- Provided technical resources for animal disease management activities as reported under regulatory accountability systems.
- Developed five factsheets and a brochure on equine biosecurity.
- Trained two staff in new duties related to other lab sections.
- Postponed the installation of new hoist and monorail in the necropsy room to improve safety and allow for continuation of necropsy services to summer/fall of 2019.
- Installed new water filtration system to fix the failing system that supplies filtered water in March 2019.
- Commenced creation of business requirements for a Laboratory Information Management System, continuing process in 2019-2020.
- Reviewed Quality Management System in preparation for application to Standards Consul of Canada for ISO 17025 accreditation.
- Postponed the review, update and implementation of the diagnostic test methods to next fiscal due to the acquisition of new equipment, and staffing a Molecular Biologist position.
- Worked on research papers featuring rabies and echinococcus research with Manitoba Health.
- Met current clients' critical needs with existing testing. No new tests added to the VDS catalogue.
- Created a master equipment listing.

HIGH PERFORMANCE ORGANIZATION

Transformational Service Delivery

Expected Results

- Establishment of partnership with Cadham to create and implement project.
- Completion of three wetlab/lecture/training sessions conducted.
- Development and implementation of communication strategy.
- Consultation with client and stakeholders conducted with strategy developed to improve collaboration and services.

Actual Results

- Developed a process for improved collaboration for programs and research with Cadham on salmonella and echinococcus.
- Examined opportunities to share data effectively.
- Hosted poultry necropsy training session in October 2018. Conducted seminars and lab tours.
- Developed communication plan to update VDS webpage.
- Consulted with VDS clients and provided regular communication.

4 (b) Animal Health and Welfare

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl. No.
	2018/19	2018/19		Over/(Under)	
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(1) Salaries and Employee Benefits	4,791	52.00	5,164	(373)	
(2) Other Expenditures	2,918	-	2,808	110	
(3) Grant Assistance	11	-	11	-	
Total Sub-Appropriation	7,720	52.00	7,983	(263)	

Agri-Resource – 4C

Branch Mandate

Facilitate climate change adaptation and the sustainable development, use and protection of Manitoba's agro-ecosystem including air, land and water.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Business Risk Management

Expected Results

- New model for evapotranspiration developed. Maps produced for precipitation. Models produced for growing degree days, corn heat units, and fusarium head blight (FHB).
- Uniform interpretation of soil data in The Environment Act, The Water Protection Act, The Planning Act and all other relevant legislation is available. Enhanced risk mitigation by producers.

Actual Results

- Produced models for growing degree-days, corn heat units and FHB.
- Reviewed engineering guidelines for manure storage facilities to incorporate updated soil data with industry consultation. Provided agri-maps tutorial training in environmental farm plan (EFP) workshops. Usage of agri-maps has increased from 110 to 175 visits per day. Changes in the Brandon study will be published with the soil survey report for Whitehead in 2019-2020.
- Revised and reviewed the Manitoba Odour Impact Assessment Tool version 2.0.

Agriculture Industry Adaptation

Expected Results

- Addition of soil information for the RM of Cornwallis to AgriMaps.
- Maintained weather stations and expanded measurement capacity by adding multiplexer soil moisture sensors and barometric pressure sensors.
- Developed On Farm Climate Change Assessment Module for online. Environmental Farm Plan (EFP) and developed Greenhouse Gas (GHG) Beneficial Management Practices (BMP's).
- Provided percent of normal models for corn heat units, growing degree days, and precipitation.

Actual Results

- Submitted a quick estimate to BTT to replace agri-maps hosting to add data easily.
- Added soil and barometric pressure sensors to 109 weather stations.
- Developed GHG BMP for the Climate and Green Plan with input from the Agriculture Sector Working Group (SWG), including nitrogen management for reduced nitrous oxide emissions, and a suite of energy-related BMP's.
- Provided percent of normal models for corn heat units, growing degree days and precipitation published weekly from May to October 2018.

Crop and Livestock Industry Development

Expected Results

- Modernized allocation process for Agricultural Crown Lands (ACL) developed and implemented and range management productivity increases.

Actual Results

- Consulted on the modernization of the ACL program that presented an amendment to The Crown Lands Act. Continued support for regulatory and policy development is ongoing.

AGRIPROCESSING DEVELOPMENT

Agriprocessing Sector Advancement

Expected Results

- Completed of Environmental Farm Plan (EFP) module.

Actual Results

- Distributed field pea production chapter for the EFP to producers.

HEALTHY PEOPLE, PLANTS, ANIMALS AND LANDSCAPES

Regulatory Assurance Systems

Expected Results

- Average Technical Review Committee (TRC) processing timelines decreased. All livestock development proposals reviewed.

Actual Results

- Revised TRC site assessment form, reviewed water consumption calculator with SD. TRC processed 20 applications, and attended 17 Conditional Use (CU) hearings.

Agri-Resource Management

Expected Results

- On-Farm Climate Change Assessment Module developed for online EFP.
- Documented carbon pricing impacts, established expertise in offset programming options and determined carbon sequestration best practices.
- Advanced the Agricultural Sustainability Initiative.
- Updated online EFP.
- Established a land use tracking system in cooperation with other departments. Track number of bylaw revisions and comments.
- Developed soil interpretation for tile drainage.
- Increased agricultural productivity on Crown lands.
- Delivered five extension events to municipalities and Conservation/Watershed Districts (CDs) featuring new municipal tile drainage bylaw template and continued tile drainage research.

Actual Results

- Ongoing progress through discussions with Agriculture and Agri-Food Canada (AAFC) holos modellers.
- Documented carbon-pricing impacts on poultry processing; the documented potential impact of pasture soil carbon sequestration on Manitoba beef carbon footprint.
- See Sustainable Agriculture Incentives Program (SAIP) (4D).
- Submitted project proposal to BTT.
- Provided 19 technical land use reviews of applications involving foreign ownership, including soil agricultural capability information and development plan policy interpretation in support of the Farm Lands Ownership Act.
- Initiated preliminary discussions with Municipal Relations with regard to data availability for land use tracking system to measure changes in land use designations annually.
- Conducted preliminary assessment of data layers for determining soil suitability for tile drainage.
- Represented Manitoba Agriculture at six bloc planning committee meetings, encouraging the expansion of suitable land for agriculture use.

HIGH PERFORMANCE ORGANIZATION

Results-based Management

Expected Results

- Developed and implemented new ACL eligibility and allocation policies.

Actual Results

- Continued development work ongoing due to required legislative amendments identified in public consultation process.

4 (c) Agri-Resource

Expenditures by Sub-Appropriation	Actual	Estimate	Variance	Expl.
	2018/19	2018/19	Over/(Under)	No.
	\$(000s)	FTEs	\$(000s)	\$(000s)
(1) Salaries and Employee Benefits	3,527	43.00	3,815	(288)
(2) Other Expenditures	1,541	-	1,788	(247)
Total Sub-Appropriation	5,068	43.00	5,603	(535)

1. The variance is mainly due to expenditure management measures, lower costs due to vacancies and lower administrative expenses for Agricultural Crown Lands.

Sustainable Agriculture Incentives Program – 4D

Mandate

The objective is to improve land, air and water resource management through cost shared investment in Beneficial Management Practices (BMP) on farm.

Programs, Activities and Expected Results

HEALTHY PEOPLE, PLANTS, ANIMALS AND LANDSCAPES

Agri-Resource Management

Expected Results

- Adoption of on-farm of BMPs that reduce environmental impacts of farming and the continued exploration for new BMPs; and improves public trust.
- Reduction in GHG (tonnes CO₂ equivalents reduced or sequestered), an improvement in water quality and soil health, as well as co-benefits for increased biodiversity and an increased on-farm awareness of climate change impacts on agriculture and adaptation techniques.

Actual Results

- Received 187 SAIP applications for \$1.5 million, and approved 164 application for \$1.2 million. Watershed Ecological Goods and Services (WEGS) received 11 CD's applications for \$1.9 million, and approved six applications for \$1.0 million. Proposed four new BMP for additional federal/provincial funding. Approved four direct manure injection applications in September 2018.
- Generated awareness and environmental benefits for projects in the previous bullet. Created awareness and encouraged action using EFP workshops. 473 producers attended 55 in-person EFP workshops. Keystone Agricultural Producers (KAP) issued 304 statements of completion representing 918,798 acres.

4 (d) Sustainable Agriculture Incentives Program

Expenditures by Sub-Appropriation	Actual	Estimate	Variance	Expl.
	2018/19 \$(000s)	2018/19 FTEs \$(000s)	Over/(Under) \$(000s)	No.
Grant Assistance	517	-	1,500 (983)	1
Total Sub-Appropriation	517	-	1,500 (983)	

1. The variance is due to fewer applications received than anticipated.

Recoverable from Other Appropriations – 4E

Mandate

This sub-appropriation provides for the recovery of Sustainable Agriculture Incentives Program (SAIP) related expenditures incurred by the Stewardship and Assurance Division of Manitoba Agriculture.

4 (e) Less: Recoverable From Other Appropriations

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl.
	2018/19	2018/19		Over/(Under)	No.
	\$(000s)	FTEs	\$(000s)	\$(000s)	
Recovery	(517)	-	(1,500)	983	1
Total Sub-Appropriation	(517)	-	(1,500)	983	

1. The variance is due to fewer applications received than anticipated for the Sustainable Agriculture Incentives Program.

Production and Economic Development

Division Mandate

Create the environment that accelerates economic development in the agriculture, agrifood and agriproduct value chain.

Industry Advancement – 5A

Branch Mandate

Provide and gather information, deliver or pathfind programs and services, and transfer knowledge direct to sector stakeholders in a manner that advances the capacity of the agriculture, agriprocessing industry to adopt best management practices, manage risk, capitalize on opportunities, adapt to challenges and strengthen industry organizations.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Farm Enterprise Business Management

Expected Results

- Enhancement of two decision tools/resources and remaining tools/resources kept current.
- Business management capacity of 20 new and young farmers built through skills development courses and consultation advice from professional advisors through the CAP Ag Action Manitoba program. Increased capacity of new and young farmers through 100 interactions at the University of Manitoba, Manitoba Farm Women's Conference and the 4-H program.
- Support provided to two young & new farmer organizations (Keystone Agricultural Producers Young Farmers Committee & the Outstanding Young Farmers of Manitoba).
- Launch of CAP Ag Action Manitoba programming with department staff supporting program administration and quality client service.
- Financial analysis and recommendations provided in support of mediation files under The Family Farm Protection Act.

Actual Results

- Updated and reviewed 102 tools and resources, and created seven new tools and resources. Delivered four presentations specifically in transition planning, human resources and financial management. Provided technical farm management information at 10 trade shows and directed 909 enquiries from staff and producers.
- Increased business management capacity of 29 new and young farmers through skills development courses, and consultation advice from professional advisors through the CAP Ag Action Manitoba program. Increased capacity of new and young farmers through 75 interactions at the University of Manitoba.
- Supported two young and new farmer organizations (KAP Young Farmers Committee and the Outstanding Young Farmers of Manitoba).

- Launched the CAP Ag Action Manitoba programming to support management capacity of young and new farmers.
- Provided financial analysis and recommendations in support of 11 mediation files through 49 consultations under the Family Farm Protection Act.

Business Risk Management

Expected Results

- Updated livestock price insurance tool. New livestock producers use Western Livestock Price Insurance Program (WLPIP) to understand and reduce their cattle feeding market risk.

Actual Results

- Updated the WLPIP livestock price insurance tool, allowing livestock producers to understand and reduce market risk. Delivered 22 presentations in farm risk management; including productions, land values, crop & livestock planning and contracts/leases.

Agriculture Industry Adaptation

Expected Results

- Delivered agrology advice through 3500 interactions through a one-to-many approach, providing agrology advice and information on crops, livestock & forage, agri-environment, farm management and food safety.
- Surveillance and reporting occurred on 11 weekly area crop reports, 18 Bertha Army Worm Traps, 18 Diamondback moth traps, 10 swede midge traps, four Green Gold program sites, 25 canola diseases survey fields, eight Winter Wheat FHB fields, 20 Spring Wheat FHB fields.
- Programming implemented through 50 workshops on local food sustainability (gardening, greenhouse management, food preservation) to over 1000 participants.

Actual Results

- Delivered agrology advice through 3,200 interactions.
- Provided surveillance and reporting occurred on 11 weekly crop reports, 31 forage surveys, 15 diamondback moth traps, one Green Gold program site, two Swede Midge Traps, four Western Bean Cutworm sites, 19 Bertha Armyworm Traps, eight Winter Wheat Fusarium Head Blight fields, 28 Spring Wheat Fusarium Head Blight fields, 26 Canola Disease Survey fields; 13 Soybean Disease Survey fields.
- Delivered 81 workshop presentations on local food sustainability (gardening, seed selection, seed saving, soil augmentation, greenhouse management, fruit tree selection and planting, composting, managing small poultry flock, food preservation, food safety and basic nutrition) to 1,177 participants.

Agriculture Industry Leadership Development

Expected Results

- Completion of 10 strategic planning sessions; 10 web-based resources developed; 50 organizations impacted.
- Leadership and skills development of 2,100 youth members and 800 adult volunteers. Increased capacity of Manitoba 4-H Council to manage delivery of the 4-H program.
- Engagement of 350 women in leadership and rural advocacy enabled.
- Recognition of twenty-five Century Farms (100 years) and 10 Heritage Farms (125 years).
- Grant support provided to 55 Ag Societies for fairs and special events; infrastructure of 44 Ag Societies improved. Increased public awareness and trust of agriculture.
- Organization of five farm management meetings with University of Manitoba and Assiniboine Community College (ACC) to build farm management capacity; five presentations to young/new farmers in post-secondary institutions to building leadership capacity.
- Interactions with 1,000 producers at trade shows with Public Trust display; distribute 1,000 public trust tips cards to producers, including producer targeted tweets on social media campaign for Canada's Ag Day, Ag Awareness Day and Farm and Food Awareness Day.
- Provision of organization assessments and technical advice provided to all applicants.

Actual Results

- Facilitated 15 strategic planning sessions. Developed 11 web-based resources. Influenced 56 organizations through capacity building activities.
- Established five new clubs which included leadership and skill development that occurred in 129 clubs with 1,980 youth, guided by 689 volunteers.
- Increased leadership capacity of 545 rural women through programming and activities of the Manitoba Women's Institute including two regional events, and hosted the National Triennial Convention.
- Recognized 30 Century Farms (100 years) and three Heritage Farms (125 years).
- Supported 54 Agricultural Societies with \$195,000 in grants for educational programming to advance public awareness and trust of agriculture. Total 46 Agricultural Societies received programming grants of \$95,000 for infrastructure improvement.
- Organized five farm management meetings with the University of Manitoba and ACC to build farm management capacity.
- Interacted with over 1,100 producers with Public Trust Display, and distributed over 1,000 Public Trust Tip Cards. Conducted a social media campaign for Canada's Ag Day, Ag Awareness Day, and Farm and Food Awareness Week.
- Received 82 Industry Organization CAP applications and approved 68 applications. Facilitated 12 formal organizational assessments. Industry Organizations activities were approved for \$2.2 million.

HEALTHY PEOPLE, PLANTS, ANIMALS AND LANDSCAPES

Agri-Resource Management

Expected Results

- Facilitation, technical and administrative support for 18 EFP workshops.
- Support provided to Prairies East Sustainable Agriculture Initiative (PESAI) in the analysis of one tile and surface drainage system trial in the Interlake area.

Actual Results

- Assisted with the delivery of 12 Environmental Farm Plan workshops with promotion to 87 producers.
- Supported Prairies East Sustainable Agriculture Initiative (PESAI) in the analysis of one tile and surface drainage system trial in the Interlake area.

HIGH PERFORMANCE ORGANIZATION

Transformation Service Delivery

Expected Results

- Updated website organized by client type; five percent increase in client hits.
- Provision of exceptional client service through 14,000 client contacts in person or via telephone/chat.
- Distributed general and specific agronomic/economic/organizational information to clients through 10 industry events and tradeshow reaching 500+ clients.

Actual Results

- Updated website with client centric home page, which resulted in six to 13% increase in visits and an increase of 6% in page views.
- Extended general agricultural and program information to over 16,000 client inquiries (in person or by phone).
- Distributed general and specific information to over 1,000 clients.

5 (a) Industry Advancement

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl. No.
	2018/19	2018/19		Over/(Under)	
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(1) Salaries and Employee Benefits	3,934	69.00	5,022	(1,088)	1
(2) Other Expenditures	859	-	1,397	(538)	2
(3) Grant Assistance	658	-	671	(13)	
Total Sub-Appropriation	5,451	69.00	7,090	(1,639)	

1. The variance is mainly due to vacant positions.
2. The variance is mainly due to expenditure management measures, lower costs due to vacancies, and a delay in implementing an agreement with the Manitoba Association of Agricultural Societies.

Primary Agriculture – 5B

Branch Mandate

Advance the competitive position of Manitoba's primary agriculture production industry in the domestic and global marketplace in a manner that is sustainable and adaptable to evolving public, climatic, resource and economic conditions.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Business Risk Management

Expected Results

- Weekly Disease and Insect Report, Crop Diagnostic Lab Report, Weekly Crop Report and timely risk maps in the growing season provided to inform farmer decisions to manage risk, reaching over 10,000 producers and industry stakeholders.
- Development of risk management approaches that supported increased organic acres and production.
- Increase in Riding Mountain Eradication Area (RMEA) producers by 50% participating in enhanced Bovine Tuberculosis (bTB) surveillance at processing facilities.

Actual Results

- Produced in-season weekly reports including 27 Crop Reports, 13 Insect and Disease reports, 40 FHB Risk maps, and 20 Potato Pest Risk reports.
- Increase to insured MASC organic acres of seven per cent from 2017-2018. Staff participated in targeted training with University of Manitoba natural systems agriculture research group on challenges, solutions and tools with organic production, to improve service to organic clients.
- Provide producers with an incentive of \$150 per producer in the RMEA, to promote participation in enhanced surveillance at processing. The number of farms supporting this surveillance by linking their PID farm location to the national traceability database increased from 106 to 151 farms.

Agriculture Industry Adaptation

Expected Results

- A crop and livestock plan for climate change mitigation has begun in consultation with industry and researchers.
- Research and demonstration of improved antibiotic management practices has resulted in adoption of practices by farmers.

Actual Results

- Conducted analysis of crop performance and yield for specific crops types with randomized testing through MCVET and a larger dataset comparison from MASC.
- Formed a GHG Working Group and work plan with a focus on beef and forages in the first year. Staff worked with the Manitoba Forage and Grasslands Association to develop research and project proposals related to water basin management, carbon sequestration, and forage management strategies. Ag Action Manitoba approved funding to a project modelling soil health and grassland management. Federal funding

and technical expertise were sourced for a research trial on a natural feed additive to reduce GHG emissions by cattle.

- Secured federal funding and technical assistance for research trials on feeding a dogwood extract as a potential replacement for antibiotics in livestock feed at the University of Manitoba. CAP Ag Action Manitoba funding was approved for follow-up studies in 2019-2020. Established a veterinary-client relationship developing an antibiotic management plan for the animal health and biosecurity for producers using Ag Action Manitoba funding. Provided \$2.9 million over five years from CAP to Manitoba Beef and Forage Initiative (MBFI) to support operations and research.

Crop and Livestock Industry Development

Expected Results

- Increased protein produced and processed; increased investment and employment in livestock production.
- Completion of ten trials/demonstrations conducted through MBFI to enhance profitability; environmental sustainability, resiliency and public trust in beef production.
- Developed a sheep growth plan in collaboration with Manitoba Sheep Association including development of webinar-based training to improve sheep productivity and support increased flock size.
- One collaborative marketing group is supported, resulting in new value opportunities for producers.
- Enhanced livestock content on the website and promotion through social media, with 10% increase in web traffic.
- Sector specific approaches to livestock growth developed.
- An assessment of loan and loan guarantee programs for livestock producers is completed and recommendations made to support livestock growth.
- Improved milk quality and animal care; dairy production increased to meet increasing processing demands.
- Enhanced understanding of the conditional use process by Municipal Councils.
- Increased public trust and market access for livestock protein.
- Development of livestock groups and involved industry-led assurance systems (e.g. food safety, animal care, responsible use of antimicrobials); public trust of the livestock industry is enhanced.
- Extension and training conducted through webinars, workshops, provincial conferences, field days and tours, crop and agronomy trials at Crop Diversification Centres and Crop and Horticultural Diagnostics School.
- Improved producer production and new variety/practices adaption risk through completion of trials at Crop Diversification Centres. Variety trials results shared with the industry (e.g. online and Seed Manitoba).
- Increased awareness and adoption of profitable and sustainable crop production practices targeted to current value chains (e.g. protein) and emerging market opportunities.
- Pea variety trials supported at Crop Diversification Centres. Supported Agri-Resource branch in creation of sustainable pea production chapter for Environmental Farm Plans.

- Science-based Regulatory approach to neonicotinoid use is supported.
- Increased engagement by industry associations to undertake initiatives that advance productivity, sustainability, profitability and innovation, and support processing opportunities.
- Identified and evaluated approaches to assist producers to adapt to carbon taxation with industry.
- Increased efficient use of nitrogen and reduction of phosphorus (P) in runoff of water off the land to waterways, and less non-point source addition of phosphorus (P) into waterways.

Actual Results

- Participated in the MBFI Management Committee to provide advice on projects and farm operations. Provided an interim manager until the MBFI general manager was hired in September 2018.
- Led eight of the 10 projects during the summer of 2018, including planned grazing, mob seeding, riparian management, and pollinator crops. Supported the researchers from AAFC (Swift Current) and Brandon University to conduct two trials. Participated and provided administrative support for the MBFI Research Advisory Committee, and demonstrated new remote sensing technology for monitoring cattle.
- Improved flock management practices that support increased flock size, in collaboration with the Manitoba Sheep Association. Four webinars developed to support animal health, milk replacement feeding, pregnancy management, and sheep handling viewed by 20 to 70 sheep producers.
- Distribution and marketing alliances funding obtained through CAP Ag Action Manitoba to support producer development of value-added opportunities. One application was received and is currently being reviewed. A lamb marketing option was investigated in collaboration with the Manitoba Sheep Association.
- Created and updated resources for producers to assist with strategies to manage dry conditions and lower forage supplies with over 39,000 web views of this information.
- Supported consultations with associations and businesses in developing the Manitoba Protein Advantage Strategy. Strategies developed for aquaculture and turkey. The final report from the facilitated Spawning Aquaculture 2.0 industry meeting released with recommendations on advancing the sector.
- Worked with Manitoba Bison Association and MASC to provide more accurate market information to support lending to bison operations.
- Reviewed loan programs available for beef producers.
- Represented Manitoba on the Automated Milking System working group and International Dairy Federation (coordinating committee) to update the National Dairy Code, and submit food safety and milk quality reports supporting milk exports. Four dairy producers in a penalty situation for milk quality were provided technical advice resolving their issue. Worked with the Food Safety Branch to review the current dairy premises inspection program and recommendations made for improvement. Technical support was provided to individuals seeking to start production and processing of dairy goat milk.
- Supported community involvement explaining swine production practices and processes for new and expanded swine operations during open houses in Killarney,

Boissevain, and Roblin. Provided technical assistance on land use and animal unit calculators to support the TRC process.

- Enhanced free run housing for egg layers using cost of production guide. Productivity for Animal Health and Welfare for Dairy focus was delivered with Ag Action Manitoba to support Dairy Farmers of Manitoba's third-party animal care assessments; funding of over \$125,000 was approved for 28 dairy related applications.
- Supported the Verified Beef Production Plus program by Manitoba Beef Producers with Ag Action Manitoba funding. Represented Manitoba in reviews of federal funding of national on-farm assurance programs and sustainable livestock initiatives.
- Organized 10 field and crop tours attracting over 400 producers and agronomists. Extended results of applied research at over 15 industry events and conferences such as Crop Connect, Ag Days and the Brokenhead AG Conference.
- Conducted field trials on new crops and management systems, including hemp, peas, corn, quinoa, tile drainage and intercropping systems, to help producers manage income risk with diversified crops and practices. Completed 151 projects at Crop Diversification Centers representing 7,479 research plots. Published data from crop variety trials in Seed Manitoba.
- Created the sustainable pea production chapter for EFP to support the Agri-Resource branch.
- Coordinated pea variety trials at Canada-Manitoba Crop Diversification Centre (CMCDC) in Carberry and PCDF in Roblin, in cooperation with Manitoba Pulse and Soybean Growers.
- Tested 33 surface water and six groundwater sites four times within the growing season for presence of four neonicotinoids. Shared data with Pest Management Regulatory Agency (PMRA) and other stakeholders.
- Developed CAP Ag Action Manitoba focus areas to support on-farm adoption of practices improving productivity, animal health and care, antibiotic management, and biosecurity. The 2018-2019 funding targeted bee, horticulture, dairy and sheep producers. Eighty-three applications were approved for over \$250,000. The Distribution and Marketing Alliances focus area was developed to support value chain opportunities with one application received and decision pending at year end.
- Demonstrated planned grazing systems at MBFI in collaboration with Brandon University to determine if practice supports improved soil health and increased carbon sequestration. The initial three years of data is promising, with the project to be extended for three more years.
- Conducted soil fertility refresher training with 125 participants, and promoted 4R principles.

Human, Animal and Plant Health and Welfare

Expected Results

- Provided financial support to 27 Veterinary Service Districts (VSDs) and 10 students to attract/retain veterinarians.
- Rapid identification and mitigation of disease issues occurred.
- Proof of livestock ownership supported by maintaining the livestock brand registry (2,300 unique brands). Licenses issued for 130 livestock dealers and agents; bonds and applications for five new dealers.

Actual Results

- Administered provincial grants of \$479,000 for the 27 VSD in rural Manitoba. The program was streamlined by reducing financial reporting requirements for the VSD Boards. Eight students received veterinary sciences scholarships of \$1,125, and five students received large animal veterinary retention program scholarships of \$5,000. Nineteen students gained experience working in rural veterinary clinics as part of the veterinary Student Temporary Employment Program (STEP).
- Supported and provided industry liaison for the PEDv outbreak in southeastern Manitoba. Represented Manitoba on the federal/provincial traceability committee working on issues related to animal movement reporting. Over 570 manifest books distributed through regional offices to support the requirements for reporting animal movement under pending federal regulations. Administered \$5,400 in grants to encourage participation by producers in bovine tuberculosis (bTB) surveillance in the RMEA. A further \$47,300 in funding was provided to RMEA producers for barrier fences and guardian dogs to mitigate the risk of bTB spreading from wildlife to livestock.
- Issued licenses for 71 dealers and 74 agents, including six new dealer licenses. One dealer without a license complaint was investigated and resolved. Maintained brand registry of 2,300 unique brands. Licensed 1,523 commercial pesticide applicators, 368 pesticide dealers and 54 manure applicators.

HIGH PERFORMANCE ORGANIZATION

Transformation Service Delivery

Expected Results

- Increased use of social media and video to extend information to producers; increased web traffic to livestock, crops and apiary pages by 10%.
- Increased social media activity to new publication/website update and print friendly versions.
- Piloted the use of short online videos as a tool for reaching producers.
- Increased results and analysis of Crop Diversification Centres' trial information online.

Actual Results

- Increased crops webpage views by 850 per cent. (8,521 views 2018-2019, 1,085 views in 2017-2018). Crop Report views increased from 520 in 2017-2018 to 13,216 in 2018-2019. Ninety-one crop tweets were made in 2018-2019. Resources for producers affected by dry conditions received 16,910 visits and 22,852 views from July 1, 2018 to March 31, 2019.
- Finalized development of the Manitoba Crop Diversification Centres website, uploaded past applied research trial results. Implemented a communication strategy to increase visibility and uptake of their applied research information.
- Produced a YouTube video on scouting and testing glyphosate tolerant kochia. Staff trained on video production to create additional video content in the future.
- Uploaded Diversification Centre trial results to their webpage, and performed qualitative analysis in 2018-2019.

5 (b) Primary Agriculture

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl. No.
	2018/19	2018/19		Over/(Under)	
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(1) Salaries and Employee Benefits	5,427	65.00	5,759	(332)	
(2) Other Expenditures	992	-	1,010	(18)	
(3) Grant Assistance	831	-	965	(134)	1
Total Sub-Appropriation	7,250	65.00	7,734	(484)	

1. *The variance is mainly due to no grants provided under the Agricultural Sustainability Initiative - Beef Platform and lower participation in the TB Management Program than anticipated.*

Food and Agri-Product Processing – 5C

Mandate

Strengthen the competitive position of Manitoba's agrifood and agriproducts processing industries in the domestic and global marketplace and to advance the growth of the Manitoba agrifood and agriproduct industry.

Programs, Activities and Expected Results

PRIMARY AGRICULTURE DEVELOPMENT

Crop and Livestock Industry Development

Expected Results

- Completion of a labour market profile. Developed resource and facilitated six presentations. Connection of 125 employers with existing employment resources to address labour market needs.
- Characteristics for commodities to be processed meet processor needs (e.g. peas, potatoes, animal protein).

Actual Results

- Reviewed Manitoba Agriculture industry profile to be launched in 2019, with two-hundred employers providing labour recruiting information.
- Supported Primary Agriculture and Agri-Resource Branches to develop the pea chapter for the EFP workbook. This work supports future pea protein extraction and Manitoba's sustainable protein position.

AGRIPROCESSING DEVELOPMENT

Agriprocessing Commercialization and Business Development

Expected Results

- Successful implementation of current industrial projects.
- Municipal and provincial revenue estimates provided for industrial development projects to assist in investment attraction decision making.
- Development or expansion of 10 food/bioprocess businesses; 60+ jobs created.
- Increased business development capacity of 100 entrepreneurs through workshops, resources, and direct client support.
- Partnered with Food and Beverage Manitoba to increase Manitoba markets development for 40 food businesses; 20 businesses supported to participate in Canadian food tradeshow.
- Two webinars on 2018/19 consumer food trends and a more detailed analysis of generational trends conducted. Three sector reports shared with other branches and industry highlighting opportunities for Manitoba producers and processors.
- Supported six community kitchens and 20 new food businesses.
- Evaluated three co-product value streams.
- Completed three-year retting project with Composites Innovation Centre (CIC) with results shared with industry partners.

- Bioproduct event held with 75 attendees from a wide variety of bioproduct businesses, policy makers and other stakeholders.
- Identification of red tape or regulatory impediments with recommended solutions.
- Report on opportunities and considerations for cannabinoids is developed and shared with industry partners.
- Identification and communication of a cannabis edibles product development approach for industry players and clients.

Actual Results

- Supported implementation of industrial development projects to establish or expand in Manitoba, including peas, potatoes, oilseeds, pork and other commodities. Worked with municipalities including Portage la Prairie, Neepawa and Winnipeg to promote food processing development, and collaborated with Manitoba Infrastructure to support infrastructure enhancements to support development.
- Worked with Manitoba Bureau of Statistics, municipalities and Municipal Relations to determine ROI values to inform decision making.
- Contributed to the expansion of 16 agrifood and agriproduct processing businesses with expected incremental employment of 116 full time equivalents (FTEs) upon project completion and a further 41 FTEs within three years.
- Increased business and marketing capacity to over 140 Manitoba food processors through 10 workshops and training events (e.g. Great Manitoba Food Fight, pricing workshops and grocery tours).
- Increased intelligence and knowledge of retail and food service trends to over 150 Manitoba food businesses; 106 different businesses were assisted under the FABMB Capacity Building Initiative (funding provided to FABMB) to increase market reach and sales. The department built the marketing capacity of 10 companies through training and assistance at two Canadian trade shows.
- Reported on Market Opportunities for Oats in Asia to support Prairie Oat Growers Association's market development efforts, in collaboration with Foresight and Analysis. Prepared a Turkey Industry Profile and Turkey Strategy paper to highlight challenges limiting growth in the turkey sector, in collaboration with Primary Agriculture and Foresight and Analysis.
- Supported growth of 13 micro and small Manitoba food processors through equipment assistance in Commercial Community Kitchens. Six community kitchens were assisted with a total of \$76,000 in contributions.
- Incorporated a co-product assessment into all client work. Worked with three companies to evaluate co-product opportunities.
- Completed a three-year retting project with the Composite Innovation Centre and shared results with stakeholders. The next phase of the project has been developed with work to begin in 2019-2020.
- A bioproducts industry forum in cooperation with stakeholders is being worked on with the event to be held in 2019-2020.
- Participated in FPT round tables and consultations. Developed recommendations for Manitoba's consideration in response to cannabis edibles legislation and regulation. Evaluated opportunities for the full value chain of cannabis and hemp from primary production to fibre, CBD oils, edibles, retail and the requirements to develop enabling regulation.

- Provided feedback with industry to draft cannabis edibles regulation to enable economic development opportunities. Researched business opportunities with four companies and created a CBD Economic Development Strategy.
- Developed a cannabis edibles approach to drive value for CBD from hemp and cannabis. Upon approval of the proposed strategy, communication materials will be developed and published. Pending finalization of the Federal Regulations for edibles.

Agriprocessing Sector Advancement

Expected Results

- Implementation of a Manitoba plant protein strategy; Manitoba companies advance protein processing and co-product development opportunities.
- Increased organic development resources on the department website. Organic workshops delivered at Ag Days and other events; organic acres in Manitoba increase by 5%.
- Completed a sourcing ingredients list/directory, organic directory and local produce guide, reaching 10,000 Manitobans.
- Created a labour market profile and implementation is in progress with development of resources and delivery of presentations.

Actual Results

- Released The Manitoba Protein Advantage Strategy consultation paper February 1, 2019. Consultations were conducted to seek broad input on alignment of efforts, and commitment to action from industry stakeholders. The department completed meetings, consulted with participants and received written submissions. The feedback obtained from these consultations will be used to develop the Manitoba Protein Advantage Strategy in fiscal year 2019-2020.
- Updated cost of production data for all major organic field crops. Supported organic industry development by hosting organic training events during Ag Days and workshops, field tours, and market development events. The department worked with the Manitoba Pulse and Soybean Growers Association and the Manitoba Organic Alliance to host specialized training on intercropping, attracting 150 participants.
- Merged organic and convention food product directories. A searchable food product directory has been developed and will be published to Manitobans in the fall of 2019.
- Worked with Manitoba Education and Training and FABMB to train entrants for the meat processing industry. Another cohort will run in 2019. Worked with industry and Manitoba Public Insurance to smooth out transition of driver's license requirements for Temporary Foreign Workers. Contributed \$300,000 to ACC through CAP Ag Actions Manitoba for the establishment of the new Food Processing Centre for Animal Proteins, to increase skilled meat cutters to support meat protein processing.
- Updated the navigation of the bio-product content, added data regarding Manitoba Advantages for biomass processing and links to the CIC.

HIGH PERFORMANCE ORGANIZATION

Transformational Service Delivery

Expected Results

- Created one new service delivery method evaluated against client needs and satisfaction.
- Created two new web resources, existing resources updated.

Actual Results

- Uploaded one webinar on Manitoba Agriculture YouTube channel and linked to FAPP resources page.
- Created and published six new online resources, including two webinars, to improve client delivery methods. Reviewed and updated six online resources.

5 (c) Food and Agri-Product Processing

Expenditures by Sub-Appropriation	Actual 2018/19 \$(000s)	Estimate 2018/19 FTEs	Estimate 2018/19 \$(000s)	Variance Over/(Under) \$(000s)	Expl. No.
(1) Salaries and Employee Benefits	2,193	24.00	2,305	(112)	1
(2) Other Expenditures	249	-	474	(225)	2
(3) Grant Assistance	75	-	350	(275)	3
Total Sub-Appropriation	2,517	24.00	3,129	(612)	

1. *The variance is mainly due to vacant positions.*
2. *The variance is mainly due to expenditure management measures and lower costs due to vacancies.*
3. *The variance is mainly due to delays in the development of the Agri-food Processor Accelerator program.*

Manitoba Biomass Energy Support Program – 5D

Mandate

Provided support in the transition to the processing and use of biomass for heating in place of coal.

Programs, Activities and Expected Results

AGRIPROCESSING DEVELOPMENT

Agriprocessing Industrial Development

Expected Results

- Note: There were no targets for 2018-19 as the program ended March 31, 2018.

Actual Results

- This Program ended on March 31, 2018.

Cost Related to Capital Assets

Amortization and Interest Expense – 6

Mandate

Comply with Public Sector Accounting Board (PSAB) standards and government policies and guidelines respecting the treatment of tangible capital assets. Amortization and interest is incurred on laboratory equipment purchased for diagnostic testing of animals by the Veterinary Diagnostic Services (VDS) Laboratory to protect human health from zoonotic diseases and animal health from serious diseases.

Programs, Activities and Expected Results

HEALTHY PEOPLE, PLANTS, ANIMALS AND LANDSCAPES

Human, Animal and Plant Health and Welfare

Expected Results

- Recognition of amortization consistent with government and PSAB policies and guidelines.
- Cost of capital assets allocated consistent with the period of service and useful life of the asset. Charges for TCAs are amortized, expensed and reported as required.
- Provision of financing costs for capital investment related to the department.

Actual Results

- Amortization costs were recorded consistent with government and PSAB guidelines.
- Charges for amortization were recorded consistent with the period of service and useful life of the asset.
- Interest costs are accurately reflected in all financial statements and consistent with the period of service and useful life of the department’s tangible capital assets.

6 Costs Related to Capital Assets

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl. No.
	2018/19	2018/19		Over/(Under)	
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(a) Amortization Expense	243	-	260	(17)	
(b) Interest Expense	83	-	82	1	
Total Appropriation	326	-	342	(16)	

**SECTION ONE
PART B
CAPITAL INVESTMENT**

Part B – Capital Investment

Mandate

Provide for the acquisition of tangible capital assets needed in the Veterinary Diagnostic Services (VDS) laboratory within the Animal Health and Welfare Branch to protect human health from zoonotic diseases and animal health from serious diseases.

Programs, Activities and Expected Results

HEALTHY PEOPLE, PLANTS, ANIMALS AND LANDSCAPES

Human, Animal and Plant Health and Welfare

Expected Results

- Invested in updating and replacing aging laboratory equipment.
- Supported continuity in service delivery and surveillance efforts.

Actual Results

- Invested \$426,144 in new laboratory equipment.
- Capital asset purchases ensured VDS continued to provide non-interrupted service delivery to provincial animal welfare investigations and animal disease response and surveillance activities. It also ensured required animal health testing was available to livestock and companion animal veterinary clients. Last year VDS performed 137,147 diagnostic tests.

Part B - Capital Investment

Expenditures by Sub-Appropriation	Actual	Estimate		Variance	Expl.
	2018/19	2018/19		Over/(Under)	No.
	\$(000s)	FTEs	\$(000s)	\$(000s)	
(a) General Assets	426	-	685	(259)	1
TOTAL	426	-	685	(259)	

1. The variance is as a result of a delay in the construction portion of the post-mortem lab monorail project.

Sustainable Development Act

Manitoba Agriculture is committed to the principles and guidelines set out in The Sustainable Development Act and works to incorporate them in department activities, programs and business practices. The principles and guidelines of sustainable development as set out in the act are:

Principles of sustainable development

- Integration of Environmental and Economic Decisions
- Stewardship
- Shared Responsibility and Understanding
- Prevention
- Conservation and Enhancement
- Rehabilitation and Reclamation
- Global Responsibility

Guidelines of sustainable development

- Efficient Use of Resources
- Public Participation
- Access to Information
- Integrated Decision Making and Planning
- Waste Minimization and Substitution
- Research and Innovation

To see the full Sustainable Development Act, please visit:

[http://web2.gov.mb.ca/laws/statutes/repealed/s270\(2018-11-08\)e.php](http://web2.gov.mb.ca/laws/statutes/repealed/s270(2018-11-08)e.php)

Agriculture and agriprocessing sector is a key economic driver for Manitoba. Manitoba Agriculture continues to create an environment that accelerates sustainable growth in this sector.

The four areas of focus of the department are:

- Primary Agriculture Development
- Agriprocessing Development
- Healthy People, Plants, Animals and Landscapes
- High Performance Organization

The department has undertaken the following activities in 2018-2019 to support the principles and guidelines of sustainable development. For more details on the department's activities and results, please refer to Part A of this annual report. This section is not a complete listing of all the activities that relate to sustainable development but intends to indicate the scale of the department's activities in this area.

Primary Agriculture Development

The department supported Manitoba's agriculture and agriprocessing sector by providing technical information, risk management tools, and financing instruments to inform business decisions. We helped producers mitigating the impact of climate change by supporting research, innovation and extension activities that increased crop and livestock production and created new value opportunities. We capitalized on opportunities to build influential agricultural organizations, generate significant benefits to their members, and advance the sector as a whole.

- Reviewed engineering guidelines for manure storage facilities to incorporate updated soil data with industry consultation.
- Incorporated Agri-Maps training in the EFP workshops, and increased the use of Agri-Maps from 110 visits per day to 175 visits per day.
- Added soil sensors and barometric pressure sensors to 109 weather stations.
- Developed GHG BMP for the Climate and Green Plan, including nitrogen management for reduced nitrous oxide emissions, and energy related BMPs.
- Consulted with stakeholders on the modernization of the ACL program, proposed an amendment to The Crown Lands Act, and continued to provide support for regulatory and policy development related to the Act.
- Launched the CAP Ag Action Manitoba programming to support business management capacity of new and young farmers, and increase the capacity of 29 new and young farmers through 75 interactions at the University of Manitoba.
- Supported two young and new farmer organizations (i.e., KAP Young Farmers Committee, and the Outstanding Young Farmers of Manitoba).
- Delivered agrology advice through 3,200 interactions.
- Provided surveillance and reporting on 11 weekly crop reports, 31 forage surveys, 15 diamondback moth traps, one Green Gold program site, two Swede Midge Traps, four Western Bean Cutworm sites, 19 Bertha Armyworm Traps, eight Winter Wheat Fusarium Head Blight fields, 28 Spring Wheat Fusarium Head Blight fields, 26 Canola Disease Survey fields, and 13 Soybean Disease Survey fields.
- Delivered 81 workshop presentations on local food sustainability (gardening, seed selection, seed saving, soil augmentation, greenhouse management, fruit tree selection and planting, composting, managing small poultry flock, food preservation, food safety and basic nutrition) to 1,177 participants.
- Updated cost of production data for all major organic field crops. Supported organic industry development by hosting organic training events during Ag Days and workshops, field tours, and market development events.
- Worked with the Manitoba Pulse Growers Association and the Manitoba Organic Alliance to host specialized training on intercropping, attracting 150 participants.
- Facilitated 15 strategic planning sessions. Developed 11 web-based resources. Influenced 56 organizations through capacity building activities.
- Established five new clubs which included leadership and skill development that occurred in 129 clubs with 1,980 youth, guided by 689 volunteers.

- Interacted with over 1,100 producers with Public Trust Display, and distributed over 1,000 Public Trust Tip Cards. Conducted a social media campaign for Canada's Ag Day, Ag Awareness Day, and Farm and Food Awareness Week.
- Produced in-season weekly reports including 27 Crop Reports, 13 Insect and Disease reports 40 FHB Risk maps, and 20 Potato Pest Risk reports.
- Conducted analysis of crop performance and yield for specific crops types with randomized testing through MCVET and with a larger dataset comparison from MASC.
- Formed a GHG Working Group and work plan with a focus on beef and forages in the first year. Staff worked with the Manitoba Forage and Grasslands Association to develop research and project proposals related to water basin management, carbon sequestration, and forage management strategies. CAP Ag Action Manitoba approved funding to a project modelling soil health and grassland management. Federal funding and technical expertise were sourced for a research trial on a natural feed additive to reduce GHG emissions by cattle.
- Secured federal funding and technical assistance for research trials on feeding a dogwood extract as a potential replacement for antibiotics in livestock feed at the University of Manitoba. CAP Ag Action Manitoba funding approved for follow up studies in 2019-2020. Established a veterinary-client relationship developing an antibiotic management plan for the animal health and biosecurity for producers using Ag Action Manitoba funding. Provided \$2.85 million (over five years) from CAP Ag Action Manitoba to MBFI to support operations and research.
- Supported community involvement explaining swine production practices and processes for new and expanded swine operations during open houses in Killarney, Boissevain, and Roblin. Provided technical assistance on land use and animal unit calculators to support the TRC process.
- Delivered the Verified Beef Production Plus program by Manitoba Beef Producers using CAP Ag Action Manitoba funding of \$350,000. Represented Manitoba in reviews of federal funding of national on-farm assurance programs and sustainable livestock initiatives.
- Organized 10 field and crop tours attracting over 400 producers and agronomists. Extended results of applied research at over 15 industry events and conferences such as Crop Connect, Ag Days and the Brokenhead AG Conference.
- Created a sustainable pea production chapter for Environmental Farm Plans, to support Manitoba's sustainable protein position and pea processing. Pea variety trials were supported at Crop Diversification centers at CMCDC & PCDF in cooperation with Manitoba Pulse and Soybean Growers Association.
- Tested 33 surface water, six ground water sites four times within the growing season for presence of four neonicotinoids. Shared data with PMRA and other stakeholders.
- Demonstrated planned grazing systems at MBFI in collaboration with a Brandon University to determine if practice supports improved soil health, and increased carbon sequestrations. The initial three years of data is promising.
- Conducted soil fertility refresher training with 125 participants, and promoted 4R principles.
- Applied for a cannabis research license.

- Awarded \$57,993 in 2018-2019 to MWBGA and University of Manitoba to conduct climate change mitigation related research activities in the areas of excess moisture in wheat, and tile drainage and water management in canola and soybeans. Research intelligence staff are collaborating with Ag Resource, livestock branches and University of Manitoba to identify GHG mitigation strategies to be presented at future workshops.

Agriprocessing Development

The department provided support and resources to grow small and medium-sized agriprocessing businesses, and created an environment to retain and attract large investments, which generated jobs and drove economic growth.

- Released the Manitoba Protein Advantage Strategy consultation paper on February 1, 2019. Consultations were conducted to seek broad input on alignment of efforts, and commitment to action from industry stakeholders. Completed 18 meetings, consulted with 34 participants and received four written submissions.
- Merged organic and convention food product directories. A searchable food product directory has been developed and will be published to Manitobans in the fall of 2019.
- Updated the navigation of the bioproduct content, added data regarding Manitoba Advantages for biomass processing and links to the Composites Innovation Centre.
- Developed 19 ingredients from agricultural commodities, an increase of 32 per cent from 2017-2018.

Healthy People, Plants, Animals and Landscapes

The department provided regulatory oversight, science-based expertise, and diagnostic services to help sustain Manitoban's need for healthy people, plants, animals and landscapes. We ensured that assurance systems were available for production and processing to build public trust. We collaborated with stakeholders in advancing food safety and quality for market access and public good.

- Revised TRC site assessment form, reviewed water consumption calculator with SD. TRC processed 20 applications, and attended 17 Conditional Use hearings.
- Continued discussions with AAFC Holos modellers.
- Documented carbon pricing impacts on poultry processing, and potential impact of pasture soil carbon sequestration on MB beef carbon footprint.
- Reviewed 19 land use applications related to foreign ownership, soil agricultural capability, and development plan policy interpretation, in support of the Farm Lands Ownership Act.
- Initiated preliminary discussions with Municipal Relations with regard to data availability for land use tracking system to measure changes in land use designations annually.
- Received 187 SAIP applications for \$1.5 million, and approved 164 application for \$1.2 million. WEGS received 11 CD's applications for \$1.9 million, and approved six applications for \$1.0 million. Proposed four new BMPs for additional federal/provincial funding. Approved four direct manure injection applications.

- Facilitated awareness and encouraged action through 55 in-person EFP workshops with 437 participants. KAP issued 304 statements of completion representing 918,798 acres.
- Conducted a trial on tile and surface drainage system in the Interlake area through PESAI.
- Developed processes to add value to egg, chicken and milling co-streams through FDC.

Regulatory Accountability and Red Tape Reduction

Manitoba Agriculture is committed to implementing the principles of regulatory accountability as set out in [The Regulatory Accountability Act](#). The department works to achieve balance with regulatory requirements, identify the best options for them, assess their impact and incorporate them in department activities, programs and in the development of all regulatory instruments.

A regulatory requirement is a requirement in a regulatory instrument for a person to take an action in order to:

- access a program or service offered by the government or a government agency
- carry on business
- participate in a regulated activity

Regulator accountability provides a framework to create a transparent, efficient and effective regulatory system. Red tape reduction aims to remove the regulatory requirements that are unclear, overly prescriptive, poorly designed, redundant, contradictory or antiquated. Not all regulatory requirements create red tape.

Regulatory Requirements

	Baseline (April 1, 2016)	2016/17 (March 31, 2017)	2017/18 (March 31, 2018)	2018/19 (March 31, 2019)
Total number of regulatory requirements	27,837	27,700	27,413	27,208

	2016/17 from baseline	2017/18 from baseline	2018/19 From baseline
Net change in total number of regulatory requirements	-137	-424	-629
% change	-0.5%	-1.5%	-2.3%

- All numbers including the baseline have been revised to reflect Program transfers and other adjustments, including the transfer of the Manitoba Horse Racing Commission to Manitoba Justice
- The transition from a manual data collection system to an automatic one in 2018/19 may have impacted statistics reported in previous periods
- For additional information, please see the Manitoba Regulatory Accountability Report at www.manitoba.ca/reduceredtape

Achievements

Since April of 2018, the department's achievements in reducing regulatory requirements and eliminating red tape included:

- Updating the Environmental Farm Plan process by eliminating one form from the workshop and revising the workbook, eliminating 83 regulatory requirements and streamlining the process for farmers. The Environmental Farm Plan is a voluntary self-assessment tool for farm managers that identifies environmental assets and risks and develops an action plan to address the identified risks. Completion of an Environmental Farm Plan is needed to access funding to support beneficial management practices in the Environment Farm Plan and is required for some commodity specific contracts.
- Modernizing the Veterinary Diagnostic Services Laboratory submission forms increased paperwork efficiency and reduced the unnecessary collection of information. Manitoba Agriculture's Veterinary Diagnostic Services laboratory provides veterinary diagnostic testing in Manitoba for companion animals and the agriculture-food industry. This testing includes herd and flock disease surveillance, export testing and passive surveillance for new and emerging diseases of food-producing, companion, zoo and wild animals.

**SECTION TWO
ADDITIONAL FINANCIAL
INFORMATION
AND APPENDICES**

Appendix A: Financial Information – Expenditure Summary

Manitoba Agriculture Expenditure Summary

for the fiscal year ended March 31, 2019 with comparative figures for the previous fiscal year (\$000s)

Estimate 2018/19	Appropriation	Actual 2018/19	Actual 2017/18	Increase/ (Decrease)	Expl. No.
PART A - OPERATING					
03-1 ADMINISTRATION AND FINANCE					
42	(a) Minister's Salary	41	41	-	
	(b) Executive Support				
744	(1) Salaries and Employee Benefits	730	745	(15)	
80	(2) Other Expenditures	74	51	23	
	(c) Strategy Management				
767	(1) Salaries and Employee Benefits	363	630	(267)	
240	(2) Other Expenditures	107	126	(19)	
	(d) Financial and Administrative Services				
1,303	(1) Salaries and Employee Benefits	869	992	(123)	
335	(2) Other Expenditures	209	213	(4)	
3,511	Subtotal 03-1	2,393	2,798	(405)	

Appendix A: Financial Information

Manitoba Agriculture

Expenditure Summary

for the fiscal year ended March 31, 2019 with comparative figures for the previous fiscal year (\$000s)

Estimate 2018/19	Appropriation	Actual 2018/19	Actual 2017/18	Increase/ (Decrease)	Expl. No.
03-2 POLICY AND TRANSFORMATION					
(a) Policy					
2,703	(1) Salaries and Employee Benefits	2,481	2,583	(102)	
634	(2) Other Expenditures	335	432	(97)	
-	(3) Grant Assistance	-	1,880	(1,880)	1
(b) Transformation					
2,129	(1) Salaries and Employee Benefits	1,855	1,487	368	
559	(2) Other Expenditures	385	340	45	
1,115	(3) Grant Assistance	1,115	1,115	-	
2,020	(c) Food Development Centre	2,383	2,761	(378)	2
3,000	(d) Grain Innovation Hub	2,667	1,485	1,182	3
12,160	Subtotal 03-2	11,221	12,083	(862)	
03-3 RISK MANAGEMENT, CREDIT AND INCOME SUPPORT PROGRAMS					
(a) Manitoba Agricultural Services Corporation					
6,595	(1) Administration and Lending Costs	15	(2,242)	2,257	4
52,369	(2) AgriInsurance	50,914	56,910	(5,996)	5
2,259	(3) Wildlife Damage Compensation	4,054	3,201	853	6
(b) Agricultural Income Stabilization					
15,043	(1) AgriStability	26,972	21,484	5,488	7
15,077	(2) AgriInvest	13,192	14,883	(1,691)	8
44,862	(c) Farmland School Tax Rebate	45,513	41,015	4,498	9
136,205	Subtotal 03-3	140,660	135,251	5,409	

Appendix A: Financial Information

Manitoba Agriculture

Expenditure Summary

for the fiscal year ended March 31, 2019 with comparative figures for the previous fiscal year (\$000s)

Estimate 2018/19	Appropriation	Actual 2018/19	Actual 2017/18	Increase/ (Decrease)	Expl. No.
03-4 STEWARDSHIP AND ASSURANCE					
(a) Food Safety and Inspection					
3,032	(1) Salaries and Employee Benefits	3,015	2,848	167	
748	(2) Other Expenditures	630	512	118	
(b) Animal Health and Welfare					
5,164	(1) Salaries and Employee Benefits	4,791	4,900	(109)	
2,808	(2) Other Expenditures	2,918	3,456	(538)	10
11	(3) Grant Assistance	11	11	-	
(c) Agri-Resource					
3,815	(1) Salaries and Employee Benefits	3,527	3,455	72	
1,788	(2) Other Expenditures	1,541	1,658	(117)	
1,500	(d) Sustainable Agriculture Incentives Program	517		517	11
(1,500)	(e) Less recoverable from other appropriations	(517)		(517)	12
17,366	Subtotal 03-4	16,433	16,840	(407)	

Appendix A: Financial Information Manitoba Agriculture Expenditure Summary

for the fiscal year ended March 31, 2019 with comparative figures for the previous fiscal year (\$000s)

Estimate 2018/19	Appropriation	Actual 2018/19	Actual 2017/18	Increase/ (Decrease)	Expl. No.
03-5 PRODUCTION AND ECONOMIC DEVELOPMENT					
(a) Industry Advancement					
5,022	(1) Salaries and Employee Benefits	3,934	4,362	(428)	
1,397	(2) Other Expenditures	859	868	(9)	
671	(3) Grant Assistance	658	598	60	
(b) Primary Agriculture					
5,759	(1) Salaries and Employee Benefits	5,427	5,326	101	
1,010	(2) Other Expenditures	992	1,002	(10)	
965	(3) Grant Assistance	831	913	(82)	
(c) Food and Agri-Product Processing					
2,305	(1) Salaries and Employee Benefits	2,193	2,114	79	
474	(2) Other Expenditures	249	367	(118)	
350	(3) Grant Assistance	75	84	(9)	
-	(d) Manitoba Biomass Energy Support Program	-	864	(864)	13
17,953	Subtotal 03-5	15,218	16,498	(1,280)	
03-6 COSTS RELATED TO CAPITAL ASSETS					
260	(a) Amortization Expense	243	225	18	
82	(b) Interest Expense	83	65	18	
342	Subtotal 03-6	326	290	36	
187,537	TOTAL (PART A)	186,251	183,760	2,491	

Appendix A: Financial Information
Manitoba Agriculture
Expenditure Summary

for the fiscal year ended March 31, 2019 with comparative figures for the previous fiscal year (\$000s)

Estimate 2018/19	Appropriation	Actual 2018/19	Actual 2017/18	Increase/ (Decrease)	Expl. No.
PART B - CAPITAL INVESTMENT					
3. CAPITAL ASSETS					
685	(a) General Assets	426	323	103	14
685	TOTAL (PART B)	426	323	103	

Appendix A: Financial Information

Manitoba Agriculture

Expenditure Summary

for the fiscal year ended March 31, 2019 with comparative figures for the previous fiscal year (\$000s)

Explanations:

1. *The variance is primarily due to special one-time grants provided in 2017/18 to the Manitoba Jockey Club and Manitoba Great Western Harness Racing Circuit.*
2. *The variance in the Food Development Centre is primarily due a one-time grant for the repayment of a building loan in 2017/18 partially offset by the Transformation Capital Fund Plant-based Protein Extraction Project in 2018/19.*
3. *The variance in the Grain Innovation Hub is primarily due to project deferrals in 2017/18 to 2018/19 as the Province had achieved its 40% matching requirement under the five-year Growing Forward 2.*
4. *The variance in the Manitoba Agricultural Services Corporation (MASC) Administration and Lending Costs is primarily due to an increase in provisions for loans and loan guarantees. This is partially offset by an increase in net interest revenue resulting from higher loan volumes, a decrease in other costs primarily for Young Farmer Rebate and administration.*
5. *The variance in the MASC AgriInsurance program is primarily due to a change in producer crop mix, a general reduction in premium rates and lower insured crop prices, partially offset by an increase in seeded acres.*
6. *The variance in the Wildlife Damage Compensation Program is primarily due to higher claim activity and cost per claim in the Big Game component of the program.*
7. *The variance in the AgriStability program is mainly due to a higher federal projection for 2018/19 partially offset by a one-time accounting adjustment in 2017/18 related to the 2011 Shoal Lake Buy Out program*
8. *The variance in the AgriInvest program is mainly due to a decrease in the federal projection for 2018/19.*
9. *The variance in the Farmland School Tax Rebate program is primarily due to a 14.8% increase in school taxes, partially offset by the impact of capping rebates to a maximum of \$5000 per related party.*
10. *The variance in Animal Health and Welfare other expenditures is primarily due to the establishment of a contingent liability in 2017/18 for a legal matter before the courts and higher costs resulting from the 2017/18 provincial response to outbreaks of the Porcine Epidemic Diarrhea virus partially offset by additional costs that were incurred in 2018/19 for the Winnipeg Human Society for animal unit cases.*
11. *The Sustainable Agriculture Incentives Program was established in 2018/19 to provide targeted financial assistance to agriculture producers to advance the adoption of beneficial management practices that improve the environmental sustainability of their operations.*
12. *The Recoverable from Other Appropriations was established in 2018/19 to provide a recovery of the Sustainable Agriculture Incentives Program from the Made in Manitoba Climate and Green Fund.*
13. *The Manitoba Biomass Energy Support Program was discontinued at the end of 2018/19.*

Appendix B: Financial Information – Reconciliation Statements
Manitoba Agriculture

Part A - Operating

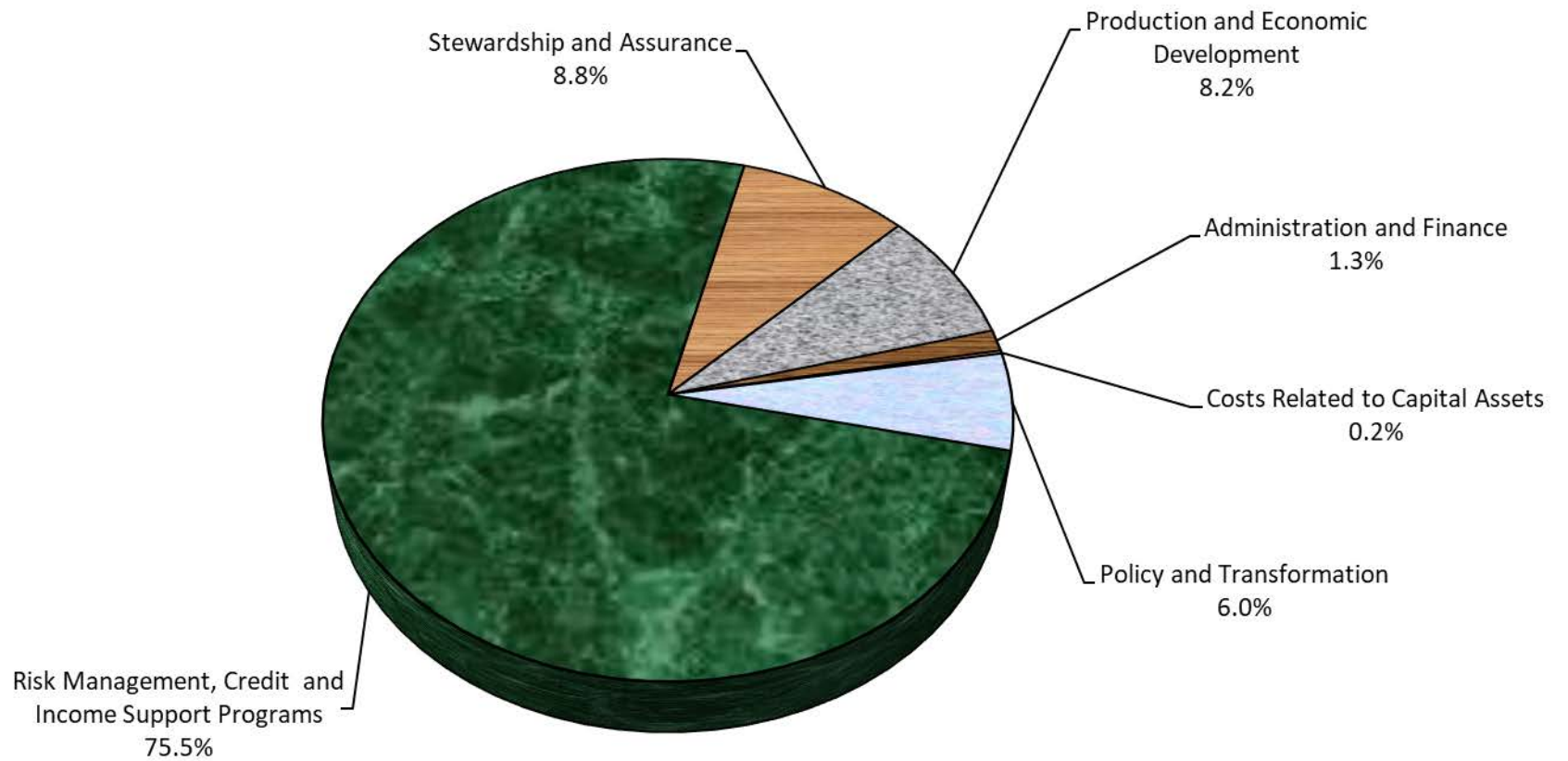
DETAILS	2018/19 ESTIMATES \$(000's)
2018/19 MAIN ESTIMATES - PART A	187,049
Allocation of funds from:	
- Enabling Appropriations	
• Internal Service Adjustments	488
2018/19 ESTIMATES	187,537

Part B - Capital Investment

DETAILS	2018/19 ESTIMATES \$(000's)
2018/19 MAIN ESTIMATES - PART B	685
Allocation of funds from:	
- Enabling Appropriations	-
2018/19 ESTIMATES	685

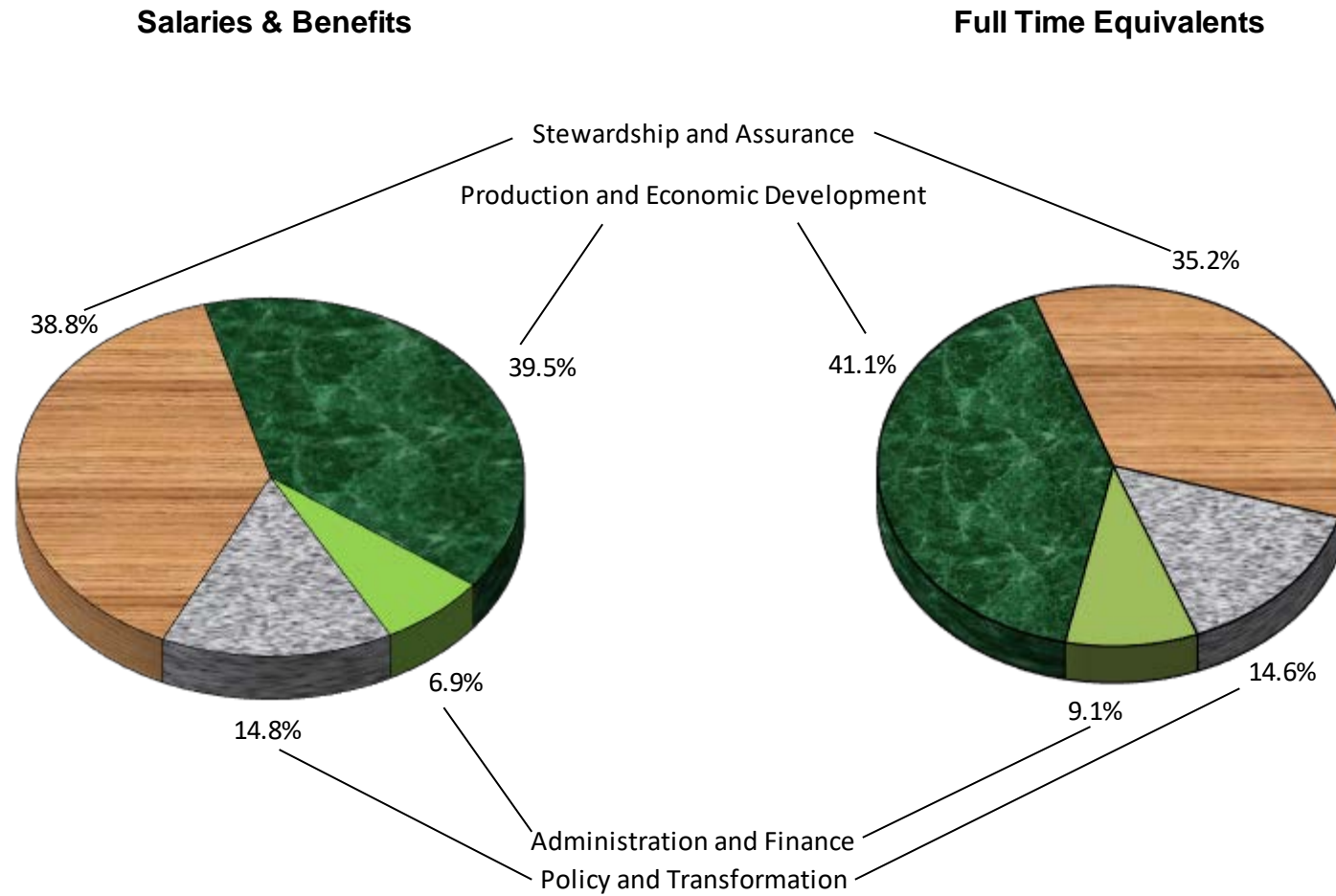
Appendix C: Distribution By Main Appropriation: 2018/19 Actual Expenditures

Manitoba Agriculture



Appendix D: Percentage Distribution of Salaries & Employee Benefits and Full Time Equivalents – 2018/19

Manitoba Agriculture



Appendix E: Revenue Summary

Appendix E Manitoba Agriculture Revenue Summary

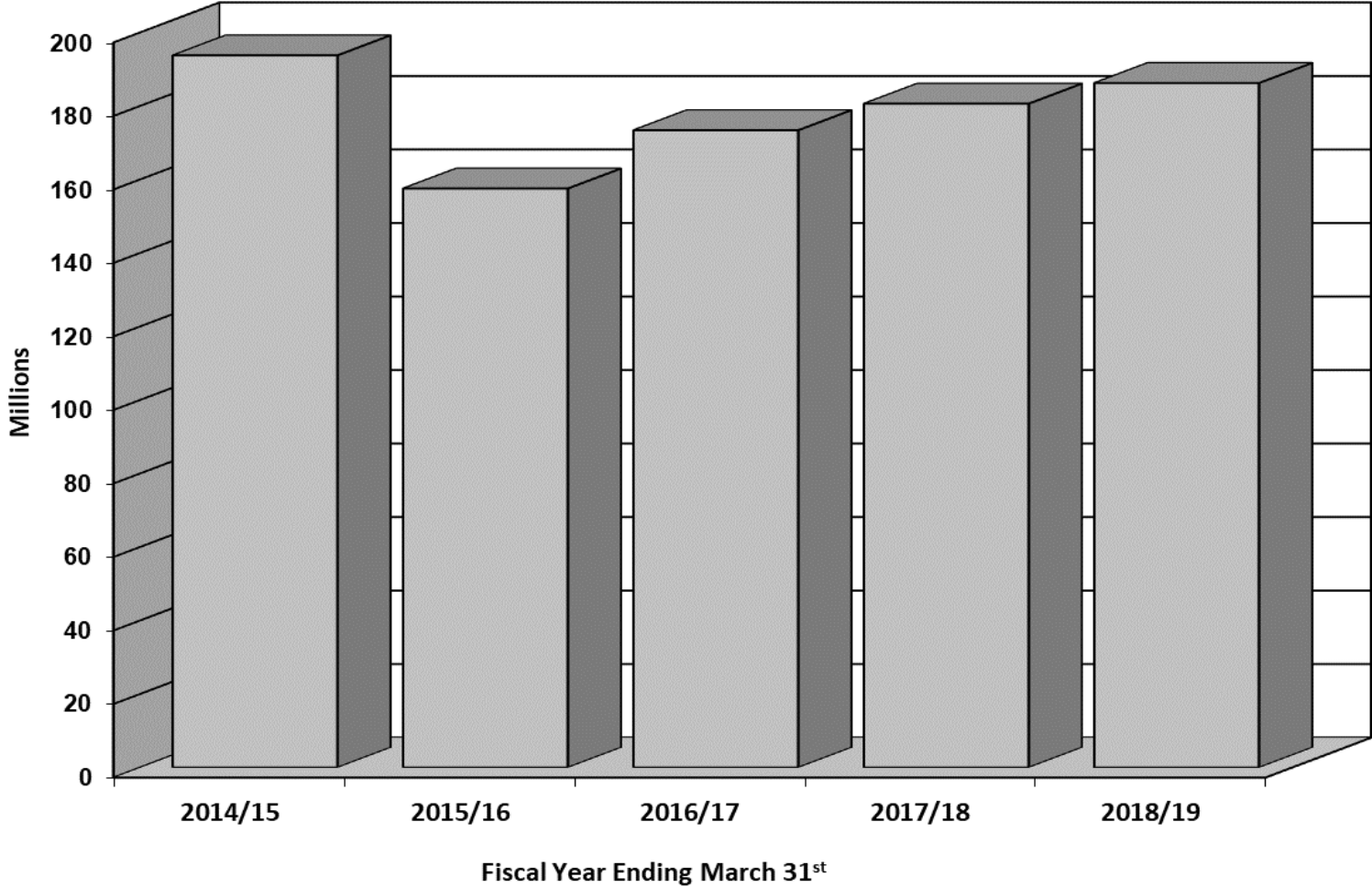
for the fiscal year ended March 31, 2019 with comparative figures for the previous fiscal year (\$000s)

Actual 2018/19	Actual 2017/18	Increase/ (Decrease)	Expl. No.		Actual 2018/19	Estimate 2018/19	Increase/ (Decrease)	Expl. No.
CURRENT OPERATING PROGRAMS:								
Government of Canada:								
553	-	553	1	CAP - Market and Trade - Org Planning and Workforce Development - Strategic Initiatives (Industry Led)	553	-	553	1
363	-	363	1	CAP - Value-Added Processing - Capital Investments	363	-	363	1
-	545	(545)	2	Growing Forward 2 - Capacity and Knowledge Development	-	-	-	
-	(1)	1		AgriRecovery - 2011 Excess Moisture Programs	-	-	-	
-	(11)	11		AgriRecovery - 2014 Flood Programs	-	-	-	
20	50	(30)		Environment and Climate Change Canada Program	20	-	20	
27	26	1		Agriculture Income Stabilization Administration Recovery	27	50	(23)	
963	609	354		Sub-Total	963	50	913	
Other Revenue:								
3,510	3,490	20		(a) Fees	3,510	3,874	(364)	
55	37	18		(b) Sundry	55	31	24	
3,565	3,527	38		Sub-Total	3,565	3,905	(340)	
4,528	4,136	392		Total Department Revenue	4,528	3,955	573	

Explanations:

1. The increase is mainly due to one-time federal support of provincial grants in 2018/19 under the Canadian Agricultural Partnership (CAP) agreement.
2. The decrease is mainly due to one-time federal support of provincial grants in 2017/18 under the Growing Forward 2 (GF2) agreement.

Appendix F: Five Year Expenditure History for Years Ending March 31, 2015 to March 31, 2019



**Appendix G:
Manitoba Agriculture
Five Year Expenditure and Staffing Summary by Main Appropriation**

For the fiscal years March 31, 2015 to March 31, 2019

Actual / *Adjusted Expenditures											
Main Appropriation		2014/15		2015/16		2016/17		2017/18		2018/19	
		FTEs	\$(000's)	FTEs	\$(000's)	FTEs	\$(000's)	FTEs	\$(000's)	FTEs	\$(000's)
3-1	Administration and Finance	34.00	2,660	34.00	2,613	34.00	2,593	35.00	2,798	35.00	2,393
3-2	Policy and Transformation	58.00	10,030	58.00	7,965	58.00	10,302	56.00	10,215	56.00	11,221
3-3	Risk Management, Credit and Income Support Programs	-	150,536	-	114,010	-	128,876	-	135,252	-	140,660
3-4	Stewardship and Assurance	138.00	14,104	138.00	16,220	137.00	15,771	135.00	16,620	135.00	16,433
3-5	Production and Economic Development	163.00	16,104	163.00	16,400	163.00	15,551	158.00	15,453	158.00	15,218
3-6	Costs Related to Capital Assets	-	335	-	336	-	319	-	290	-	326
Total Departmental Appropriations		393.00	193,769	393.00	157,544	392.00	173,412	384.00	180,628	384.00	186,251

* Figures have been adjusted to reflect historical data on a comparable basis during the years under review.

Appendix H: Performance Indicators 2018/19

AGRICULTURE

The following section provides information on key performance measures for the department for the 2018/19 reporting year. All Government of Manitoba departments include performance measures in their Annual Reports to complement the financial results and provide Manitobans with meaningful and useful information about government activities and their impact on the province and its citizens.

The department reports annually on seven performance indicators. These measures provide the public and the department with both a current snapshot and a trend of that performance measure over a set period of time. The information is important to the department as the indicators provide a high level view and further insight for the department as it undertakes programming and services.

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	Where are we starting from (baseline measurement)? (C)	What is the 2018/19 result (current year) or most recent available data? (D)	What is the trend over time? (E)	Comments /Recent Actions/Report Links(F)
Productivity change in selected crops, cattle and calves and hogs.	Increased productivity over time contributes to competitiveness and profitability of Manitoba agricultural producers as well as increasing food security for Manitobans.	2009-2013 Average Five-year average wheat yield in MB: 44.8 bushels/acre. Five-year average canola yield in MB: 33.3 bushels/acre. Five-year average grain corn yield in MB: 108.5 bushels/acre. Five-year average soybean yield in MB: 31.9 bushels/acre. Five-year average cattle and calves total	2014- 2018 Average Five-year average wheat yield in MB: 53.5 bushels/acre. Five-year average canola yield in MB: 39.8 bushels/acre. Five-year average grain corn yield in MB: 121.1 bushels/acre. Five-year average soybean yield in MB: 35.2 bushels/acre. Five-year average cattle and calves farm	The 30-year trends have been toward increased yields for all four grain crops and for livestock. The 30-year trend wheat yield for 2018 is 53.5 bushels/acre. The wheat average yield for 2018 is 59.6 bushels/acre. The 30-year trend canola yield for 2018 is 39.3 bushels/acre. The canola average yield for 2018 is 43.3 bushels/acre. The 30-year trend grain corn yield for 2018 is 124.5 bushels/acre. The grain corn average yield	Manitoba has seen record productivity for grains recently. 2017 saw record yields for many crops, except soybeans yield which was on the five year average. The 2017 harvest was the overall largest ever thanks to very moderate temperatures that allowed most crops to flourish despite well below average precipitation. Farm Cash Receipts were a record high for cattle and calves in Manitoba in 2015, followed by the second highest amount in 2014. The 2018 cattle and calves FCRs were below the 30-year trend and the most recent five-year

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	Where are we starting from (baseline measurement)? (C)	What is the 2018/19 result (current year) or most recent available data? (D)	What is the trend over time? (E)	Comments /Recent Actions/Report Links(F)
		<p>farm cash receipts \$451M.</p> <p>Five-year average hogs total farm cash receipts (FCR) \$863M.</p>	<p>cash receipts (FCR) \$618M.</p> <p>Five-year average hogs FCR \$1,058M.</p>	<p>for 2018 is 113.2 bushels/acre.</p> <p>The 20-year trend soybean yield for 2018 is 35.9 bushels/acre. The soybean average yield for 2018 is 31.1 bushels/acre.</p> <p>The 30-year trend for cattle and calves FCR is \$598M for 2018. Cattle and calves FCR for 2018 is \$591M.</p> <p>The 30-year trend for hogs FCR is \$1,142M for 2018. Hogs FCR for 2018 is \$995M.</p>	<p>average, but higher than the 2017 level. This increase in cattle and calves FCR over 2017 was supported by increased marketings, resulted from poor pastures and tight feed supplies.</p> <p>Hog FCR were a record high in 2014 followed by the second highest amount in 2017. Hog FCR were lower in 2018 due to both lower prices and marketings.</p>
<p>Producer action to identify and mitigate environmental risks in their farm operation.</p>	<p>Recognizing environmental risks and setting out a plan of action to mitigate risks is an important indicator of the capacity to produce in a sustainable manner.</p>	<p>2005/06 – 3,400 people attended workshops.</p> <p>2005/06 – 1,317 environmental farm plans completed.</p>	<p>2018/19 - 473 producers attended 55 workshops.</p> <p>In 2018/19, 304 environmental plans were completed with 918,798 acres assessed, which included 509,998 new acres and 408,800 returning acres.</p>	<p>Producers continue to return to the program to renew their Environmental Farm Plans (EFPs) as needed. As compared to 2017/2018, the number of producers who attended the EFP workshops in 2018/19 increased by 297% while the number of workshops offered increased by 187%. Particularly, there has been an increase in</p>	<p>As of May 31, 2019, 6,947 Environmental Farm Plans (EFPs) have been completed, assessing more than 10.2M acres of MB farmland.</p> <p>EFPs require updating every five years.</p> <p>A shift towards inclusion of sustainable sourcing concepts and national alignment (as per the National EFP initiative) has</p>

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	Where are we starting from (baseline measurement)? (C)	What is the 2018/19 result (current year) or most recent available data? (D)	What is the trend over time? (E)	Comments /Recent Actions/Report Links(F)
				the number of new producers to the EFP.	added value and marketing opportunities to the EFP program, and resulting in increased producer interest.
The size and impact of the food and beverage manufacturing sector in Manitoba.	Total value of agrifood processing is an indicator of the additional value extracted from Manitoba-produced commodities. Additional processing in Manitoba (versus shipping raw commodities) creates jobs and additional wealth.	2009-2013 Average Five-year average sales value: \$4.4B.	2014-2018 Average Five-year average sales value: \$4.6B.	The rate of growth in the Manitoba food processing sector has declined slightly in 2014 and 2015 from the sales level in 2013 (\$4.6B). However, the sales values bounced back since 2016 and registering a record level sales value of \$5.0B in 2018. The food and beverage manufacturing sales grew by about 2% every years over the last ten years.	Food manufacturing is a highly productive sector with approximately \$113K GDP/employee. Manitoba exported \$2.7B worth of processed agrifood products in 2018, down 2% from 2017. On average, 40% of Manitoba's international exports come from the agriculture and agriprocessing industry, leading the province among all industries. Over the past three years, there has been \$1.3B dollars in investment in Manitoba's agriprocessing sector. The opening of \$100M Manitoba Dairy Ingredients (MDI) processing plant in Winnipeg, the \$460M expansion project at Simplot potato processing plant near Portage la Prairie, the \$150M expansion at the HyLife pork-processing plant in Neepawa, and the opening of a federally inspected Country Meat and

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	Where are we starting from (baseline measurement)? (C)	What is the 2018/19 result (current year) or most recent available data? (D)	What is the trend over time? (E)	Comments /Recent Actions/Report Links(F)
					<p>Sausage facility in Blumenort will continue to improve the food manufacturing sector's output. The addition of a new pea processing plant in Portage la Prairie, and new feed processing mills will also significantly contribute to the sector's output growth in the future. Meat processing is expected to keep its lead over the near term.</p> <p>Given the high global trade uncertainties, diversifying exports to other countries is key to continued growth in the food and agriproduct processing sector.</p> <p>Global demand and popularity of healthy, local, organic and functional foods is an ongoing opportunity for Manitoba food processors. Manitoba has a great potential to become a leader in North America in the growth of a protein-focused industry. However, lower-cost foreign suppliers are a threat to Manitoba and Canadian processors in the world food market.</p>

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	Where are we starting from (baseline measurement)? (C)	What is the 2018/19 result (current year) or most recent available data? (D)	What is the trend over time? (E)	Comments /Recent Actions/Report Links(F)
The size and impact of the bio-products sector in Manitoba. Value of annual sales of agriproduct processing.	Total value of agriproduct processing is an indicator of the additional value extracted from Manitoba-produced commodities. Additional processing in Manitoba (versus shipping raw commodities) creates jobs and additional wealth.	2014 total revenue for agriproducts: \$200M.	2016 total revenue for agriproducts: \$210M.	The agriproducts sector, including biofuels and biomaterials, is relatively stable, with potential for growth as result of increasing awareness of environmental challenges for non-renewable products. A 2018 industry survey reported close to \$400M in revenue for Manitoba's clean tech sector, encompassing agriproducts and environmental services.	The 2014 data was an estimate from \$817M total revenue for the life sciences industry in Manitoba through an LSAM industry survey (LSAM). The 2016 data was an estimate from a survey by the department. The 2018 data for clean-tech was from a survey commissioned by BAM.
Success in turning government support into commercial products and improvements.	Investments in research by government are aimed at seeing new or improved products developed that contribute to farm profitability, new products, competitiveness and additional economic activity.	In 2014/15 the department continued support for FDC with funding of more than \$2M for agrifood innovation, development and commercialization: <ul style="list-style-type: none"> • 8 new products were developed in the pilot plant. • 32 new food product and ingredient prototypes were created. • 330 nutrition labels for food products created. 	Continued support for FDC with funding of more than \$2M for agrifood innovation, development and commercialization: <ul style="list-style-type: none"> • 2 new products produced in the pilot plant. • 41 new food product and ingredient prototypes were created for retail or foodservice test marketing. • 460 nutrition labels for food products created. 	The centre has maintained its capacities in food innovation and food safety training, evaluating and developing average 40 new food ideas and 20 HACCP plans per year. It is increasing its client services towards ingredient development (30% increase from 2014 to 2018) and nutrition labeling (40% increase from 2014 to 2018) to meet current industry demands.	FDC plays an instrumental role in supporting the Minister Mandate and department strategic outcomes. It is an integral part of the department's commitment to advancing the Manitoba Protein Advantage Strategy and the Livestock Growth Strategy.

What is being measured and using what indicator? (A)	Why is it important to measure this? (B)	Where are we starting from (baseline measurement)? (C)	What is the 2018/19 result (current year) or most recent available data? (D)	What is the trend over time? (E)	Comments /Recent Actions/Report Links(F)
		<ul style="list-style-type: none"> 18 HACCP plans were developed, 2 as consultations for external clients. <p>Total approved GF2 investments in innovation were \$35.79M in 2014/15 with total GF2 approved funding for all programs being more than \$87.8M to date for the agreement.</p>	<ul style="list-style-type: none"> 15 HACCP plans, 5 revised and 11 consultations. <p>This was the first implementation year of CAP - Ag Action Manitoba. Total approved investments in research and innovation were \$10.3M in 2018/19 with total CAP approved funding for all programs being \$40.2M in 2018/19.</p>		
The number of jobs by sector	The number of jobs is an indicator of a sector's ability to drive economic development	<p>2009-2013 Average</p> <p>Five-year average employment in primary agriculture: 25,000 jobs.</p> <p>Five-year average employment in food and beverage processing sector: 11,700 jobs.</p>	<p>2014-2018 Average</p> <p>Five-year average employment in primary agriculture: 24,200 jobs</p> <p>Five-year average employment in food and beverage Processing sector: 12,300 jobs.</p>	<p>The number of jobs in primary production has decreased by 1.5% every year over the last ten years, mainly due to farm consolidations (i.e. farms getting bigger and bigger) and advancement in agricultural technologies, both of which leading to fewer people in the agricultural sector.</p> <p>The employment in the food and beverage processing sector has increased by 1.2% every year since 2006.</p>	

Appendix I: The Public Interest Disclosure (Whistleblower Protection) Act

The Public Interest Disclosure (Whistleblower Protection) Act came into effect in April 2007. This law gives employees a clear process for disclosing concerns about significant and serious matters (wrongdoing) in the Manitoba public service, and strengthens protection from reprisal. The act builds on protections already in place under other statutes, as well as collective bargaining rights, policies, practices and processes in the Manitoba public service.

Wrongdoing under the act may be: contravention of federal or provincial legislation; an act or omission that endangers public safety, public health or the environment; gross mismanagement; or knowingly directing or counseling a person to commit a wrongdoing. The act is not intended to deal with routine operational or administrative matters.

A disclosure made by an employee in good faith, in accordance with the act, and with a reasonable belief that wrongdoing has been, or is about to be, committed is considered to be a disclosure under the act, whether or not the subject matter constitutes wrongdoing. All disclosures receive careful and thorough review to determine if action is required under the act, and must be reported in a department’s annual report in accordance with Section 18 of the act.

The following is a summary of disclosures received by Manitoba Agriculture and Food Development Centre for fiscal year 2018/2019.

Information Required Annually (per section 18 of The Act)	Fiscal Year 2018/ 2019
The number of investigations commenced as a result of a disclosure. Subsection 18 (2)(b)	NIL
In the case of an investigation that results in a finding of wrongdoing, a description of the wrongdoing and any recommendations or corrective actions taken in relation to the wrongdoing, or the reasons why no corrective action was taken. Subsection 18 (2)(c)	NIL
The number of disclosures received, and the number acted on and not acted on. Subsection 18(2)(a)	NIL

Appendix J: The Farm Machinery and Equipment Act Fund

Section 55(8) of *The Farm Machinery and Equipment Act* directs that a financial statement of the Farm Machinery and Equipment Fund should be prepared and included in the annual report of the department. Section 11 of the regulations to the Act states the fiscal year of the fund is January 1, to December 31 of each year.

For more information on the Act please visit
<http://web2.gov.mb.ca/laws/statutes/ccsm/f040e.php>

The Farm Machinery and Equipment Act Fund
Statement of Account
(Unaudited)
For the Year Ended December 31, 2018

	2018	2017
Balance, beginning of year	\$553,669.75	\$550,336.15
Interest earned	\$7,151.82	\$3,333.60
Deposits	-	-
Claims and disbursements	-	-
Change during the year	<u>\$7,151.82</u>	<u>\$3,333.60</u>
Balance, end of year	<u><u>\$560,821.57</u></u>	<u><u>\$553,669.75</u></u>

Appendix K: Acronyms Listing

AAFC	Agriculture and Agri-Food Canada
ACC	Assiniboine Community College
ACL	Agricultural Crown Lands
Ag	Agriculture
ASF	African Swine Fever
BMPs	Beneficial Management Practices
BRM	Business Risk Management
bTB	Bovine Tuberculosis
BTT	Business Transformation and Technology
CAHSN	Canadian Animal Health Surveillance Network
CAHSS	Canadian Animal Health Surveillance System
CAP	Canadian Agriculture Partnership
CBD	Cannabidiol
CDs	Conservation/Watershed Districts
CDC	Crop Diversification Centre
CETA	Comprehensive Economic and Trade Agreement
CFIA	Canadian Food Inspection Agency
CIC	Composites Innovation Centre
CIRP	The Certificate of Indigenous Relations Program
CMCDC	Canada-Manitoba Crop Diversification Centre
CPTPP	Comprehensive and Progressive Agreement for Trans-Pacific Partnership
CU	Conditional Use
CWD	Chronic Wasting Disease
DSSAE	Decision Support System for Animal Emergencies
EFP	Environmental Farm Plan
FABMB	Food and Beverage Manitoba
FAPP	Food and Agri-Product Processing Branch
FCR	Farm Cash Receipts
FDC	Food Development Centre
FHB	Fusarium Head Blight
FPT	Federal-Provincial-Territorial
FTEs	Full Time Equivalents
GDP	Gross Domestic Product
GHG	Greenhouse Gas
GIH	Grain Innovation Hub
GMS	Grant Management System
HACCP	Hazard Analysis and Critical Control Point
HSAL	Health, Seniors and Active Living
ILT	Infectious laryngotracheitis
IT	Information Technology
KAP	Keystone Agricultural Producers
KPIs	Key Performance Indicators
MASC	Manitoba Agricultural Services Corporation
MBFI	Manitoba Beef and Forage Initiative
MCVET	Manitoba Crop Variety Evaluation Trials
MFIB	Manitoba Farm Industry Board

Appendix K: Acronyms Listing – Continued

MWBGA	Manitoba Wheat and Barley Growers Association
NFAHWC	National Farmed Animal Health and Welfare Council
NPAC	National Programs Advisory Committee
NRC	National Research Council
NSAC	National Sunflower Association of Canada
PCDF	Parkland Crop Diversification Foundation
PCR	Polymerase Chain Reaction
PEDv	Porcine epidemic diarrhea virus
PESAI	Prairies East Sustainable Agriculture Initiative Inc.
PID	Premises Identification Database
PMRA	Pest Management Regulatory Agency
PSAB	Public Sector Accounting Board
RAC	Regulatory Accountability Committee
RMEA	Riding Mountain Eradication Area
ROI	Return on Investment
SAIP	Sustainable Agriculture Incentives Program
SD	Sustainable Development
SE	Salmonella Enteritidis
SILR	Supplementary Information for Legislative Review
SMEs	Subject Matter Experts
STEP	Summer Temporary Employment Program
SWG	Agriculture Sector Working Group
TB	Tuberculosis
TCAs	Tangible Capital Assets
TCF	Transformation Capital Fund
TRC	Technical Review Committee
U of M	University of Manitoba
VDS	Veterinary Diagnostic Services
VSDs	Veterinary Service Districts
WEGS	Watershed Ecological Goods and Services
WLPIP	Western Livestock Price Insurance Program