

New Brunswick Soil & Crop

Newsletter



July 2020 Volume 7, Issue 2 Edtior: Zoshia Fraser

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Message from the President Andrew Lovell

Hello everyone!!

irst of all, I would like to say how proud I am of farmers in New Brunswick. Vhether they are members of NBSCIA or not, our NB producers have shown reat resilience and fortitude over the last few months. If it weren't for farmrs like all of you, the world would be a very hungry place!

Soil and Crop has a full roster of coordinators, and things are moving along well under the guidance of Ray and Zoshia. We are working on various cereal, forage and horticulture trials, and also continuing to build our weather station system. Although some trials have been modified, new trials and farm visits are certainly using up the rest of our coordinators time.

NBSCIA will be working with government on the further enhancement of our horticulture industry. The Government has made the development of this sector a priority, so we will begin adding more training and information for our

members and our staff. The process began last year, when we provided training to all our coordinators on the CanadaGAP Food Safety program. Any of the coordinators that have received that training will be able to help coach you through a pre-audit.

We were also extremely fortunate to have recently filled the position for our central coordinator. Andrew Sytsma has assumed the role and will be a valuable asset to our team. Andrew grew up on a dairy farm and also graduated with a double major from Dal AC with a plant and animal science degree. Andrew also has a

keen interest in the apple industry, so, he will be attending many apple related workshops and training days.

Finally, I would like to wish all of you a safe and profitable harvest season. Please do not hesitate to reach out to any of our NBSCIA team members.

Best Regards, Andrew Lovell



Message From our General Manager - Ray Carmichael

In opening, I want to welcome Andrew Sytsma to our team as the coordinator for the Central Region. Andrew is a recent graduate from Dal AC with a BSc in Plant and Animal Science and a Minor in Agricultural Business. This combined with his dairy farm background in Carleton County will make Andrew a valuable resource for members.

Since assuming the General Manager responsibilities from Dave Walker in mid-April I have been busy familiarizing myself with the business management processes of NBSCIA. Dave remains a part of our leadership as a volunteer Research Coordinator for NBSCIA. Dave was involved in organizing and reorganizing plans to get the field staff working within Public Health guidelines and establishing the oat breeding line evaluation and inter crop trial in Williamstown.

A significant portion of this time involved start-up for the numerous research and demonstration projects administered by your Association. Following is a list of the fifteen current projects funded under the Canadian Agricultural Partnership or with third parties.

> NB Forage Variety Evaluation and Management Trials Soil Health Benchmarking Reference Demonstrate Biofumigant as Control of Nematode & Verticillium NB Crop Production Optimization 2020 Industrial Hemp Soil Health & Variety Trial Cereal & Oilseed Cultivar Development Commercialization Assessment of Rhodiola rosea NB Weather Mapping for Intensive Crop Management NB Forage 4R Nutrient Stewardship Tantramar Community Pasture Improved Management Apple Growrth and Integrated Pest Management Demonstration Improving Soil Health and Land Use Efficiency through Intercrop with Pulses Municipal Watershed Runoff Control Sugar Bush Carbon Sequestration Phytogene/NB Seed Growers Oat Breeding Line Evaluation

The Emergency Measures for public safety enacted for COVID 19 certainly compounded the start-up and delivery of many of these projects. Normal April preparations were delayed, as access to Government buildings was restricted, physical distancing and travel became complicated. Most projects were amended from the original plan and some trials were not established as planned. Contact myself or your regional coordinator for complete details on these projects, what might be happening in your area and opportunities to participate.

The COVID 19 safety measures have effectively placed the normal Farm of the Year Provincial judging on hold. However, local clubs are encouraged to proceed with Farm of the Year selections in the event that a Provincial judging procedure can be implemented. However, remember to respect all Public Safety guide-lines.

The current Public Safety guidelines should enable NBSCIA to manage outdoor field days with New Brunswick participants. However, it remains unclear to me if travel to a field day under the Atlantic bubble is considered appropriate and would it be worth the planning and wait. This has also placed detailed planning for the 2021 annual general meeting on hold. Suggestions for an agenda and a how to do it are certainly appreciated.

Ray Carmichael General Manager

NBSCIA 2020 Research Sneak Peek

Soil Reaserch- Ray Carmichael

Demonstrating Biofumigants as a Control of Root Lesion Nematode

The objective of this project is to demonstrate the use of mustard species as a biofumigant and cover crops to control or suppress Root lesion nematodes and Verticilium wilt in subsequent potato and strawberry crops. A demonstration of mustard varieties has been established in two field locations. Spring soil samples from the 2019 site and the two new locations for 2020 have been collected and analyzed. Root lesion nem-



atode levels are below the critical threshold. Soil samples will be collected in the plots this fall to evaluate the levels of infection after the mustard biofumigant treatments

Soil Health Benchmarking Reference

The primary objective of the project activity is to undertake an initial survey of the range of values in measurable soil health parameters, across a range of soil types and/or commodities and related management practices common to New Brunswick farm systems.

Cooperators will receive; 1) a soil health analysis summary from the PEI Analytical Laboratory which includes: Soil Respiration, Aggregate Stability, Active Carbon, Biological Nitrogen Availability, and Soil Texture as well as ; 2) the PEI Analytical Laboratories detailed soil analysis: pH, OM, P2O5, K2O, Ca, Mg, Cu, Zn, Fe, Mn, S, B, Na, Al, Lime Index, CEC, % Base Saturation This data will serve as a benchmark for reference in subsequent testing and

cultural systems or management practices in New Brunswick's major commodities.

For more information on this project and to register for participation contact your local NBSCIA Coordinator

Forage Research: - Zoshia Fraser

NB Forage Variety Evaluation and Management Trials

2020 marks the first year of moving our forage plots to Sussex, thanks to the Jopp family for hosting the research site. This year the forage research got off to a late start but we managed to plant a corn row spacing trial that aims to demonstrate the differences between 15", 20" and 30" row spacing. In addition to our corn row spacing, alfalfa companion crop plots have gone in the ground. These plots will not only demonstrate the performance of the companion crop but we will also be monitoring these plots in the years to come, to see the effects on alfalfa establishment, Going forward, these plots will be maintained and used for future fertility and management demonstrations. We hope to invite you all to our plots before the end of the year!



CANADIAN

AGRICULTURAL PARTNERSHIP

NBSCIA Research Continued

Provincial Alfalfa Fertility Survey

In an effort to evaluate alfalfa fertility management in NB, a province-wide tissue test survey is being conducted this season. We hope to identify any nutrient deficiencies and make appropriate shifts in our fertility programs to meet these deficiencies. We will be sampling before both the first and third cut. We are keeping an extra close eye on sulfur and boron levels both in the crop and soil. Both nutrients are commonly insufficient in alfalfa, and with the decreases in acid rains, sulfur no longer falls free from the sky. We hope to evaluate if current sulfur fertility programs have adequately maintained soil and crop sulfur.



Carbon Sequestration on the Tantramar Community Pasture



NBSCIA is also leading a large collaborative project on the Tantramar Community Pasture. This project originated in 2018 from a national Agriculture Greenhouse Gas Progam (AGGP) project organized by the Canadian Forage and Grasslands Association (CFGA). The project aims to demonstrate the carbon being sequester by actively managed grasslands and the risk to those carbon stores should these grasslands be converted to annual cropping systems. The ultimate goal is to test the prototype "Avoided Conversion of grasslands protocol" which is designed to assign carbon credits to actively managed grasslands. These credits can then be sold in the carbon market. This has also allowed the pasture to in-

stall cross fencing, to better utilize their grasslands. These cross fences are being funded partly through the AGGP and also with the assistance of NBDAAF through the Canadian Agriculture Partnership. We hope to use these cross fences to demonstrate the benefits of rotational grazing not only on carbon sequestration but

also on pasture yield, quality and species mix. These fences will position the Tantramar Community Pasture to become a hub site for other research and demonstrations in the years to come. We are excited to get people out to see the progress at the site! Watch your email for events coming soon both at the pasture and virtually.

Other Research

NBWeather Mapping for Intensive Crop Management - Ray Carmichael

The NB Agricultural Weather Network consists of fifty two stations managed between NBDAAF and NBSCIA. 2020 month end accumulations for rainfall, CHU and GDD for May and June are now posted on the NBSCIA website. <u>https://</u> <u>www.nbscia.ca/en/nb-weather-maps-2020.html</u> Similar to 2019 the maps are presented in a large scale format to cover the entire Province. If you would like a smaller scale to identify a particular field location or a summary from a particular planting date contact your local NBSCIA Coordinator. We are happy to be expanding this network in 2020 to include more stations to better represent more areas of the province.



NBSCIA Research Continued

NB Crop Production Optimization Project Registration - Ray Carmichael

Objectives for the project are: 1) to accelerate the adoption and utilization of "Precision Farming" tools for forage, cereal, corn, soybean and potato crop management in New Brunswick; 2) to quantify the potential yield improvement for forages, grains, oilseeds and potatoes in New Brunswick and 3) to identify primary soil chemical and physical characteristics limiting crop yield that may contribute to in-field yield variability. NBSCIA members with geo-referenced yield data from forage harvesters, combines and potato harvesters are encouraged to sign up. Participants will receive 2D and 3D yield maps for the fields with quality data and an opportunity to learn the range of in-field variability and identify potential causes.



For more information on this project and to register for participation contact your local NBSCIA Coordinator.

Carbon Sequestration in Maple bushes in New Brunswick - Jean-Mars Jean-François

Since the beginning of June 2020, the implementation of the project has progressed in the northwest region of New Brunswick, despite the very difficult field and harsh working conditions. To start, we communicated with the Coordinator of the New Brunswick maple syrup Producers in order to solicit her opinion on the pro-

tocol. This project aims to quantify the wood materials produced per acre and per year on maple syrup farms in order to dispose precise information allowing the industry to obtain carbon credit certification. To do this, we contacted eight maple syrup producers to participate in the project. We informed them we need at least 12 acres of land with maple trees to collect data during the months of June, July, August, September and October over a period of five years. Due to the Covid-19 crisis, only three maple syrup producers responded favorably. Thus, we established an agreement with the farmers allowing the project Coordinator to collect data on soil profile, soil sampling, qualitative analysis of trees, pH, heights and diameter of trees at chest height. The participating producers accompanied us during the first prospecting visits. The same protocol was developed for each site under study. With a GPS, we have randomly delimited four plots of woodland with varied areas depending on the slope and field conditions. In total, we have 12 plots distributed over three farms. These plots constitute the place of data collection. Trees were tagged with specific numbers were used to mark



each tree. With this number, we will have the opportunity to measure the same tree year after year until the end of the project. For the moment, we are about to complete the data collection on a site in Rivière-Verte. There is still a lot of information to collect and moving inside a forest is not easy.

NBSCIA Research Continued

Apple Growth and Integrated Pest Management - Andrew Sytsma

Weather conditions are one of the key factors affecting the development and severity of pests and diseases in crops. The objective of this project is to demonstrate the use of Davis weather monitoring devices in orchard management and the subsequent utility of phenology models to predict the growth stages of apple insects and diseases. This information will then be applied for improved integrated pest management. Project sites include two orchards in the Central region, one in Kings region and one in the Chignecto region. These sites will have weather stations upgraded with soil temperature, soil moisture, and leaf wetness sensors. This will allow for the advanced monitoring of environmental conditions needed to predict the development of numerous apple pests and pathogens. The data collected from the weather stations, along with pest growth models will be used to determine pest growth and the risk level to the orchard. Both sensor installation and data collection will begin this year. In the future, through expansion and improvement of the NB weather network this improved IPM could be applied throughout the province.

Grain Research - David Walker

The cool wet spring and social distancing requirements imposed by COVID-19 added challenges to getting plots planted and research projects started this past spring. But, in the end most of the projects were established by late May. The wheat, oat, barley, corn, soybean and fertility trials involve many partners including NB Dept. of Agriculture, Aquaculture and Fisheries (NBDAAF) and Agriculture and Agriculture Canada (AAFC) who provide funding through the CAP program. NBDAAF and AAFC also undertake much of the trial work in the province supported by NBSCIA. The results from the variety evaluation trials are combined with data from NS and PEI and form the basis for recommending field crop varieties/cultivars/hybrids in NB. Trial results will be available by November. Cultivar trials planted in Hartland NB this year include;

Maritime Six-Row Barley Registration and Recommendation Test

Maritime Two Row Barley Registration and Recommendation Test

Maritime Oat Registration and Recommendation Test

Maritime Spring Wheat Registration and Recommendation Test Eastern US Spring Malt Barley Trial Milling Oat Test Regional Grain Corn Hybrid Evaluation Trial Regional Silage Hybrid Evaluation Trial Maritime Conventional Soybean Test Maritime Herbicide Tolerant Soybean Test

Improving Soil Health and Land-Use Efficiency

Reminders

through Intercrops with Pulses

Crop Scouting

Crop scouting should be performed weekly checking for signs of pests, disease and nutrient deficiencies. Early detection can lead to efficient use of chemical application and improved yields. If you need help call your local coordinator. **Soil sampling**

It is recommended to take samples every 3 years, or when changing crop type. Soil tests are best for pH amendment and nutrient recommendations. Fall soil sampling will soon be upon us so make sure you're on your local coordinators list!



Central Review - Andrew Sytsma

Introducing your New Central Coordinator

My name is Andrew Sytsma, I have been the new Central region coordinator since May. I previously worked with NBSCIA as a summer student back in 2014 and it's great to be back! Although, I'm in a different role

now, I'm still driving the same Toyota Corolla with no air conditioning and hand crank windows as back then. I'm from a dairy farm near Centreville, NB where I still pitch in when I can. I graduated from Dal AC in Truro, NS in 2019 with a double major in plant and animal science and a minor in agricultural business. After graduation, I took a position with McCain. While I enjoyed my time there and gained valuable experience, I missed being out in the field working hands-on with farmers. That led me back to NBSCIA. Since I have started in May, I have had the pleasure to meet and work with many of the producers in the central region through servicing the weather stations, plant tissue testing, and soil sampling. Away from work, I enjoy maintaining my hobby apple orchard, playing badminton, wood working and music. I play both the guitar and piano. I look forward to meeting and working with everyone here in the central region as well as my fellow agrologists!

What's Happening in the Central Region

I'd like to start by congratulating our own Andrew Lovell on becoming the president of NBSCIA in April. The Central region is actively involved in the NBSCIA 2020 research projects. There has been strong participation and interest among Central region members in the new Alfalfa Tissue Survey that started in June. Alfalfa tissue and soil samples were collected prior to first cut and analyzed for nutrient deficiencies, with the results being compared with samples from across the province. Apple orchards in the



Central region are also participating in the new Apple Growth and Integrated Pest Management Project, where weather data collected at the orchards will be used to predict the growth stages of insect pests and disease and improve orchard management. Not currently involved in a research project? Check out pages 3-6 to see what we're up to this summer and give me a call to see how you can get involved. We are also in the process of planning a field day so stay tuned!

Carleton County Roundup - Ray Carmichael

In as much as 2019 was certainly a different season, starting with no CHU accumulation in May and excessively wet conditions delaying the start of planting. 2020 has been equally as bizarre, with 35 cm of snow on Mother's Day that hung around for most of a week. 2019 rainfall to the end of June was 175-200 mm and CHU accumulation 475-500. 2020 rainfall to the end of June was 75-100 mm with a CHU accumulation ranging from 750-775. So almost the exact opposite for various areas within the County. Nearly one half for rain and double for heat!

Corn planted before the snow certainly suffered a setback compared to later planted corn and of course the first cut forage crops were severely reduced. The majority of small grain crops are headed out and are shorter than normal, straw will be in short supply. Soybeans are so-so. The potatoes managed to beat most of the dry spell but certainly need that inch a week from now on.

Moncton/Chignecto News - Zoshia Fraser

What a year 2020 has been so far! After a short pause to regular farm calls, NBSCIA has successfully made the adjustments needed to continue to serve you all safely. While I might not be chatting in your kitchen, I'm still out taking soil samples, making crop recommendations and scouting! The Chignecto club held their first event of the season with a tillage day at Roga Farms in Melrose, NB on May 27th. The day featured a demonstration of a LEMKEN 4 meter Heliodor compact disk and wrapped up with refreshments and physically distant socializing. Thanks to Green Diamond Moncton for sending the equipment and LEMKEN for organizing the event. The event was a success with 10 attendees.



You can't go anywhere right now without someone bringing up the weather. It's been a dry year! With total rainfall for the growing season to date being under 100 mL, with a scary 10 mL of rain in June. This kind of weather will affect producers across all commodities and our typically dry weeks are still ahead of us. Some forage producers are reporting yield reductions of up to 60% in the first cut. While horticulture producers are concerned with the strain on young trees and if the drought continues effects on harvest yields and quality. In a region that typically struggles with too much rain, irrigation gear is uncommon and often not cost-effective. So, we'll all keep hoping for rain. More details on how NBSCIA is helping you monitor the weather can be found on Page 4

I'm also pleased to be helping breathe new life into the Tantramar community pasture through a collaborative project with the Canadian Forage and Grasslands, Ducks unlimited, Agriculture Canada, New Brunswick Department of Agriculture and NB Cattle Producers. This project will see the installation of cross fencing to allow for rotational grazing. More details on the project see page 4. We are also inviting you all to join us at the pasture for a twilight session to see the project. Our tentative date is August 12th and we hope to feature speakers from a number of the partners involved in the project.

The final note I'd like to leave you with is some information on how to get help if you and your business are struggling through the new economic challenges of COVID-19. I have been serving on the economic growth committee of the Tantramar COVID-19 Taskforce and bring this message to you on their behalf: Zoshia Fraser of NBSCIA has been participating in the Tantramar COVID-19 Task Force since early April. As volunteers from across the region came together to respond to the many different impacts that the global pandemic might be having on individuals and families in our region. Over this time, farmers, fishers, business owners, families and seniors have reached out to assist on a range of issues, including food access, mental health and personal stress, access to financial advice and government programs. As well as, border issues and contacting local government officials. If you are feeling the impacts of this pandemic in your life and need support, feel free to contact our volunteer service centre..

TANTRAMAR COVID-19 TASK FORCE

Contact: (506) 939-4186 E-Mail: enquiry.tctf@gmail.com https://www.facebook.com/TantramarCovid19/

As always if you need anything don't hesitate to reach out - Zoshia



Kings County Happenings - Joseph Graham

Kings County has been keeping busy with the usual soil sampling, mapping, and EFP work. Project work has also continued despite some delays. We have been out keeping our distance and doing our best to follow all government guidelines relating to COVID-19. The forage trial plots have gone in successfully at Frank and Alex Jopp's Farm in Knightville. With or without rain we should have some interesting results from a local site. A big thank you goes to the Jopp's for being very cooperative with the entire process. Here in Kings the weather has been a hot topic. Currently, Kings is down to 4 weather stations reporting with repairs and maintenance being done on 2. Kings will be receiving another station for the Knightville forage trial site soon. We hope to be able to keep a steady set of data in order to track any long term weather trends. This weather station project provides great localized data for our members and NB as a whole. For anyone that is curious about weather across the province the weather mapping is posted on the NBSCIA website. If anyone missed the local data here is some of the recent totals. Our goal is to have all 7 stations repaired and running properly this summer.

Kings 2019 Totals June30	СНИ	GDD	Rain	Kings 2020 Total June30	СНИ	GDD	Rain
Quispamsis	448	424	219	Quispamsis	650	526	120
Barnesville	386	348	194	Barnesville	573	450	137
New Canaan	443	414	197	New Canaan	704	559	72
Kiersteadville	482	447	194	Kiersteadville	713	556	89
Millstream	418	407	160				
Chambers Settlement	410	379	198				



Other happenings in Kings County

Despite COVID-19 Kings is still doing our best to plan and host events. The first will have happened by the time of the newsletter release, a tour of our forage plots. Featuring Jason Wells, NBDAAF forage specialist, at the Jopp's Farm in Knightville July 30st. This fall we are planning a Tillage day at Lonsview Farm. The date and details for this event are still being worked on. With COVID-19 the process and setup may change. In general Tillage days usually take place around Oct depending on the season. We will share details once we have more info.

We are also working on details for the Farm of the Year banquet and the local Farm of the Year Diner. This year's Kings Candidate is Bruce and Nancy Colpitts of McCrea farms. I wish there was more to share but as it stands COVID-19 has complicated things quite a bit. Regardless of this we have a very strong candidate from Kings County. McCrea's have an extremely diverse and unique farm in Shannon, NB. I truly hope all works out smoothly and we are able to give them the praise they deserve.

Lastly, I would like to acknowledge the Kings County soil and crop board and membership. This year KCSCIA supported two local students who are continuing their education in agriculture or environmental studies. One student will be pursuing a career as a vet and the other is taking Environmental Science. We wish Lana Boyd and Sophie McTiernan-Gamble all the best with their studies. We believe that in the future they will help advance agriculture and environmental science here in NB. A big congratulations goes to them and all the 2020 Grads in Kings County. - Joseph Graham

North Shore Headlines - Nadler Simon

In accordance with its mission, the North Shore NBSCIA is continuing assisting local forage and small fruits producers towards sustainable agriculture. Because of the variability of weather, this agricultural season appears particularly tough for members. The alternation of frost damage and the drought period recorded in June (35.6°C, humidex 40, rainfall of 34.3 mm, for about 65% below normal, according to Environment and Climate Change Canada) will certainly impact crop yields. In most wild blueberry fields, about fifty percent loss are expected while dairy farmers need to bring in the shortfall forage from elsewhere to meet their cattle needs. Along with that, growers need to tailor their activities taking into account the COVID-19 which is jeopardizing the expansion of the agricultural sector. Fortunately, agriculture is considered as a vital service for the survival of everyone; we all need food! This is within this context that, for this newsletter issue, we would like to pay attention to an emergent crop development in the North Shore area, notably in the Acadian peninsula: HASKAP.

Haskap is a small blue oval berry often equated to an elongated shape of the blueberry, grown under our weather conditions on a well drained soils (loam, sandy loam) with gentle slope (1-3%), an optimal pH of 6-7 and organic matter content of 5%, and whose agricultural practices lead to think more or less to cultivation of vines. Like in Japan, Russia, Oregon (US), Saskatchewan, Lac-Saint-Jean (Qc), haskap production appears as a growing interest in our area. Paul Laplante, Vice-President of the North Shore NBSCIA francophone branch, is a key leader of this commodity expansion in New Brunswick. In 2017 his company invested a considerable amount of money to plant in his fields located in Lamèque, NB around 11,400 haskap shrubs of various cultivars (Tundra, berry blue, indigo, etc.). After three years of meticulous work (field preparation with green manure: buckwheat, liming, mulching, mowing, pruning, irrigating, organic fertilizing, pollinating, controlling birds, testing fruit sugar rate: BRIX of 14-15, etc.), this July coincides with his first harvest. For this operation, a device has been implemented with three suitable harvesters and a refrigerated container intended for picking, transporting and delivering the small fruit with the least post-harvest loss possible (Fig. 1). Paul Laplante expects this year a moderate yield waiting for the following years where he could harvest 2-3 kg of haskap per tree.



Haskap is definitely a promising crop that needs more support to be developed in our area and across the province as part of a crop diversification strategy.

Figures: Harvesting operations in the Paul Laplante haskap field (A) using three suitable harvesters: pool-like with shaker (B), mobile tray on wheels with shaker (C), Pro-berry towed by a tractor (D); and a refrigerated container (E and F).



North West Press - Jean-Mars Jean-François

The Nord-West in the COVID storm

When the going gets tough the tough get going. Since the beginning of 2020, the COVID clouds have hung over northwestern New Brunswick, but they have not been able to stop our membership. They have all

shown true dedication and resilience to prove their commitment to feeding the population.

Indeed, the late melting of the snow in the spring considerably delayed the sowing of the grains and the planting of the potatoes. In addition, social distancing and sanitation obligations have increased production costs. At the same time, dairy farmers were unable to have their wells tested due to the logistical difficulties encountered in shipping water samples to the laboratory. So far, farmers have continued to work like bees in the fields to make forage, track plots, control weeds, insect and disease infestation. On the other hand, the Club is participating in four research projects. The first relates to the collection of tissue and soil samples from five plots of alfalfa spread across the Northwest region. The second focuses on fertilizing Christmas trees with wood ash and disease control with charcoal on a farm in



Saint-Quentin. The third is part of a process to quantify carbon sequestration in sugar bushes to facilitate their certification for carbon credits. The final project focuses on the protection of the Iroquois-Blanchette basin with the collaboration of the City of Edmundston through the implementation of the best management practices.

At the moment, despite the climatic constraints, we are delighted with the progress of the operations both on the farm side and the continuation of the projects. We thank NBDAAF, the Environmental Trust Fund, the City of Edmundston and the farmers who have contributed to these achievements.

Provincial Board of Directors

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Member Service Description

Geomatic packages

- Includes a basic set of farm maps. These maps are georeferenced and illustrate watercourses and other buffers
- Custom mapping packages include Soil Status maps, Target Balance Maps, Variable Rate Application Maps

GPS work

· Perimeter mapping, area determination, crop yields

Soil Sampling package

 Includes sampling, sample preparation, completion of soil form and submission of samples, and interpretation of results as well as recommendations (does not include cost of soil analysis)

Environmental Farm Plan

• Can create field and farm maps, emergency response plans, as part of your environmental farm plan

• Calibrations on sprayers, seeders and manure spreaders

Emergency Response Plan

 A written emergency response plan for compliance with regulatory bodies

Nutrient Management Plan

• Whole farm nutrient management plans, including plans compliant with the Livestock Operations Act

Intensive Crop Management Planning

- Integrated Pest Management
- Scouting fields for insect pests and weeds
- Plant population counts and plant emergence counts

Canada GAP Pre-Audit Assessment

Cost of Production Analysis

Crop Monitoring

Production Management

Equipment calibration

Contact Us

If you are in need of any services, or have any questions, please contact your local Coordinator.

Fredericton office	<u>North East</u>	Tide
	Nadler Simon	Charlo Belledune
(506) 454-1736	(438) 933-0411	Kedwick Zarande-Anse Paquetville
gm@nbscia.ca	northshore@nbscia.ca	Madawaska Gloucester
<u>Carleton</u>	<u>Central</u>	Clair Andre Verte St. North Shore
Ray Carmichael	Andrew Sytsma	Victoria
Cell – (506) 392-7214	(506) 245 2220	Pertri-Andover Rogersville
Office – (506)276-3311 carleton@nbscia.ca	central@nbscia.ca	Florenceville Doaktevin Rector Kent Carleton Stanley Suphyry Mondon
<u>Moncton/Chignecto</u>	<u>Kings</u>	Minville Chipman
Zoshia Fraser	Joseph Graham	Queens Queens Westmontand Eign
(902) 220-9147	(506) 567-0224	Harvey Trapy Norton Albert
moncton@nbscia.ca	kings@nbscia.ca	McAdam Kings
North West		Charlotte Saint John
Jean- Mars Jean- Frai	ncois	
(506)273-1674		
nwno@nbscia.ca		

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