



New Brunswick Soil & Crop Newsletter



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Editor: Zoshia Fraser

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2019 NBSCIA Farm of the Year:

Verger Belliveau Orchards Sponsored by: DuPont Pioneer

Author: Zoshia Fraser

The Bourgeois family has been farming the banks of the Petitcodiac River for over 80 years. When Sébastien Bourgeois planted those first 100 apple trees, he had two goals: create employment for people in his community and take advantage of what he recognized as prime apple growing conditions. Looking at where Robert and Sam are now, he'd be quite proud to know that they employ 40 people year-round and up to 90 people seasonally to care for their 80 000 trees.

Since taking over the farm Robert and Sam have shown a true commitment to innovation and business development. From establishing an organic orchard block to installing a state of the art packaging line. They are always keen to participate in research projects when they are available hosting chemical trials and volunteering to be a weather station site for the newly developed NBSCIA provincial weather network. The father-son pair is always looking for opportunities to develop new markets and value-added products including their scow cider and award winning Crooked wines.

Belliveau Orchards have completed an Environmental Farm Plan, maintain a Nutrient management plan and make use of a staff and local agronomists services. Soil tests are completed every 4 years and the average soil pH on the farm is 6.5. They maintain buffer zones around all waterways and make use of an integrated pest management plan that focuses on the prediction of outbreaks and maximizes the effectiveness of all agri-chemical treatments.

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2019 NBSCIA Farm of the Year Continued

Robert and Sam are also active members of the community, they belong to the Memramcook chamber of commerce, volunteer fire department and are heavily involved with the local schools. This sense of community extends into the NB agricultural community, they are members of NBSCIA, AANB, and the Canadian Produce Marketing Association. Robert is a past president of the NB Fruit Growers Association, and Sam currently serving on the board. While Robert has been newly elected on the Agricultural Alliance of New Brunswick board. Robert has also served as a delegate for the Canadian Horticulture Council and is a past president of the NB Apple Growers. Congratulations to the Bourgeois family!



Message from our General Manager - David Walker

My name is David Walker; I have recently taken over as interim General Manager of NBSCIA, replacing Leigha Beckwith. Leigha did an outstanding job as both Club Coordinator and General Manager and has left large shoes to fill. I want to thank Leigha for her continuing support.

During the last couple of months, I have met your club coordinators. They are a great team, working hard every day for you and your organization. For example, last Friday we agreed to prepare a newsletter, I asked if we could have it completed in a week, the answer came back yes. Zoshia has done an excellent job of assembling the Newsletter.

Staff are finishing preparing final reports for last year's projects and have submitted applications for new and continuing projects. With Covid 19 and the many restrictions and social distancing requirements surrounding the pandemic I am not sure if all of these projects will go forward or what changes we might have to make in order to carry out these projects.

The Covid 19 pandemic has caught everyone of guard including governments. Minister Wetmore hosted a conference call (April 2) inviting commodity and other organizations to participate. The minister and his staff provided a briefing and then asked for input. As you know, there are many challenges now and in the coming days. The minister indicated that both the Agricultural industry and the Ag Department have been classified as essential. NBDAAF is working with Agriculture and Agrifood Canada to deal with the most pressing issues.

We are not sure how long Covid 19 restrictions will last but NBSCIA will do our best to have Club Coordinators on your farms this spring and summer working for you while respecting the guidelines that have been put in place.

For those members in the Central region we are working on filling the vacant Coordinator position as soon as possible.

David Walker
Interim General Manager

COVID-19 Update - Ray Carmichael

In his daily briefing April 2, Premier Blaine Higgs extended the declaration of state of emergency until April 15. Under the state of emergency declaration for New Brunswick the Agricultural Industry and the NBDAAF have been classified as essential. However, even with this classification the industry stakeholder must follow key measures such as:

"Owners and managers of all workplaces and organizers of all activities will take every reasonable step to ensure minimal interaction of people within 2 metres of each other and carry out advice to minimize risk as issued by the chief medical officer of health."

"All owners and managers of all workplaces will reduce to critical functions and will take every reasonable step required to prevent people who exhibit symptoms of COVID-19 from entering the workplace, in accordance with advice issued by the chief medical officer of health or Worksafe New Brunswick. They will also take every reasonable step required to prevent people from entering workplaces who have travelled internationally in the previous 14 days."



<https://www.worksafenb.ca/>

WorkSafe NB has a significant amount of information on workplace measures to mitigate the spread of coronavirus disease (COVID-19), including a scorecard <https://www.worksafenb.ca/media/60873/employer-scorecard-e-final-version-dropdown.pdf> and a short screening questionnaire <https://www.worksafenb.ca/media/60893/screening-questionnaire-for-contractorse.pdf>

The frequently asked questions section provides some practical guidance to very relevant questions two of which appear below.

We are a manufacturer (seafood processing, potato packing, commercial fish harvester, etc.) that has been allowed to maintain operations during the state of emergency. However, we are having difficulty maintaining a two-meter separation between workers. What precautionary measures can I take to mitigate the risk of spreading COVID-19 in our workplace?

I'm a construction worker and we normally carpool to get to the project site. During the COVID-19 pandemic, is it still ok to carpool? If so, what precautions should we take?

<https://www.worksafenb.ca/safety-topics/covid-19/covid-19-frequently-asked-questions/?page=3>

While respecting the public health guidelines during this emergency NBSCIA will continue to provide the usual services via phone calls, emails, zoom meetings. Necessary farms visits will be undertaken only if proper physical distancing and other personnel safety procedures can be accommodated

Reminders

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.

Renew Your Membership

Membership renewals were set out in January, if you have not yet renewed please forward your membership to 150 Woodside Lane, Unit 2, Fredericton, NB, E3C 2R9. Membership fees are payable by check made out to NBSCIA or e-transfer to: accounting@nbscia.ca

Machinery calibration

It is important to calibrate sprayers and seeders to avoid unnecessary product loss. Don't forget to also clean out sprayer tanks and seed boxes for the same reasons.



NBSCIA 2019 Research - Ray Carmichael

NBSCIA sponsored a number of research and demonstration projects in 2019 funded by the Canadian Agricultural Partnership program.



Following is a summary highlighting key results from four of the projects. The complete reports for these and others can be found in the NBSCIA 2019 Annual Report on the website or by contacting your local coordinator.

C1819-0246-Y2 NB Forage Variety Evaluation and Management Trials

Project Leader: Leigha Beckwith, Ray Carmichael, NBSCIA Coordinators

An extremely dry growing season in 2018 and widespread winter kill in 2019 left NB livestock producers scrambling to find crop options that would provide them enough feed for their animals. Management of annual crops or mixtures to re-establish winter failure or compensate for drought and weather extremes caused by global warming will become critical to NB livestock producers.

The objective of this project was to evaluate the role of annual forage species and cereal (oats, barley) companion crops as emergency forage options on New Brunswick livestock farms.

Annual species including corn silage, forage pearl millet, sorghum-sudangrass, Italian ryegrass, Tef, forage oats and peas, and forage soybeans were established in replicated plots at the Richmond Corner site to assess their ability to provide a high yielding and high quality source of feed in a single season following challenging growing conditions. The parameters of evaluation were wet yield, dry matter yield, protein, NDF and NDF digestibility

The dry matter for each species is illustrated in the accompanying table. Values followed by the same letter are not significantly different. The exceptionally dry climactic conditions at the site during the 2019 growing season had a negative impact on establishment and growth of the late season group compared to the corn, soybean, oat and peas.

Although corn silage provides the most dry matter yield per hectare, the most practical options for most livestock producers is probably oats or oat/pea mixture underseeded to a perennial forage mixture for subsequent years.

Summary (Estimated Means) Specie	
Species/Mixture	DM (T/ha)
Corn Silage	10.5a
Soybean Silage	2.5b
Oat/Pea	2.2bc
Oats	2.1bcd
Peas	1.4bcde
Sorghum Sudan	1.0cde
Berseem clover	0.9cde
Tef	0.8de
Pearl Millet	0.8de
Italian ryegrass	0.5e
Pr > F (Model)	< 0,0001
Significant	Yes

C1920-0201 Demonstrate Biofumigants as a Control of Root Lesion Nematode

Project Leader: Leigha Beckwith, Ray Carmichael, NBSCIA Coordinators

Project Collaborators: Greg Carpenter, Carpenter Farms Ltd.

Root lesion nematodes and Verticillium sp are associated with a major cause of potato yield reduction commonly referred to as Early Dying Complex.

The objective of this project was to demonstrate the management of mustard varieties and green manure crops (oats, Sorghum-Sudan grass and Pearl Millett) in a system compatible with the potato rotation plan to suppress the nematode populations.

The mustard was incorporated on July 31 prior to seed formation. Oats, Pearl Millet and Sorghum Sudan grass were subsequently established as green manure crops on Aug 15. Sorghum-Sudan grass and Pearl Millet were not successfully established following the incorporation of the mustard bio fumigants. Oats were successfully established.

The mustard crop did not reduce root lesion nematode populations during the 2019 crop season. All sample sites at both field locations exceeded the critical threshold of 2000 per kg for Root lesion nematodes in the fall of 2019. Levels of Verticillium sp. were observed to exceed the critical threshold of 500 cells per gram of soil.

Continued Page 5

NBSCIA Research Continued

C1920-0035 NB Crop Production Optimization

Project Leader: Ray Carmichael, NBSCIA Coordinator

Project Collaborators: Karon Cowan, AgTech GIS, yield mapping and summary

Bill Jones, Geomatics Analyst, exp, mapping and geospatial modeling support

Zach Harmer, Practical Precision Inc. Tavistock, Ontario, SoilOptix support

Ryan Callahan, McCain Fertilizers Ltd. SoilOptix field operations

Brennan McCarthy, Hartland Agromart, grid sampling operations

Ben Wohlgemuth, Greenleaf Harvesting, owner/operator - forage yield data

Shawn Paget, Riverview Farms Corporation, owner/operator - potato, soybean and grain yield data

Chad Young, B&C Young Farms, owner/operator – soybean and grain yield data

The range of crop yield within a field is readily apparent to the naked eye, however such variability cannot be quantified without some type of harvester mounted yield monitor. Similarly, production management practices to reduce the yield variability defined cannot be undertaken without a high level or geo-referenced definition of soil parameters such as pH, organic matter and nutrient status.

The primary objectives of this project were:

To quantify the potential yield improvement for forages, grains, oilseeds and potatoes in New Brunswick.

To identify primary soil chemical and physical characteristics limiting crop yield that may contribute to in-field yield variability using grid sampling and SoilOptix scanning techniques.

To document the crop yield improvement or cost-benefit of implementing variable rate application of lime and fertilizer inputs over time.

Significant opportunity for yield improvement within a field for all crops reported exists. On average 80% of the field area has a potential for some degree of yield improvement. The overall average potential for yield improvement for each crop is reported in the table opposite.

The SoilOptix method of soil status quantification provides a higher resolution of soil properties than the traditional hectare grid method. SoilOptix also provides additional characterization of soil type, available water and water infiltration. SoilOptix data quality can be improved with additional reference samples collected.

Crop	Average Yield Improvement Potential
Grain Corn	32.5 bu/ac
Barley	9.3 bu/ac
Oat	10.9 bu/ac
Soybean	26.9 bu/ac
Wheat	29.7 bu/ac
Corn Silage	2.6 ton dm/ac
Forage	1.1 ton dm/ac

C1920-0036 Soil Health Bench Marking-Reference

Project Leader: Ray Carmichael, NBSCIA Agrologist

Project Collaborators: Leigha Beckwith, Joseph Graham, Zoshia Fraser, Nadler Simon Jean-Mars Jean-François, NBSCIA Coordinators

When measuring soil quality, it is important to evaluate the physical, chemical, and biological properties of the soil. Physical properties include bulk density, water content, infiltration rate, aggregate stability, slaking, and morphological estimations. Biological properties include soil respiration and earthworm populations. Soil chemical properties measured include many of the parameters in a typical soil analysis report, such as pH, CEC and soil nitrate levels, to mention a few.

The project objective was to undertake an initial survey of the range of soil health values or parameters across a range of soil types and/or management practices common to New Brunswick farm systems.



NBSCIA Research Continued

All soil health analysis have not yet been completed by the DalAC laboratory. Average values and standard deviation for selected parameters for each NBSCIA region are illustrated in the first table below. The second table provides comparative data from paired field locations in a potato rotation and two selected sites not in a potato rotation. Further investigation is required to better define benchmarks for soil health in New Brunswick.

Table 1: Average values and standard deviation for selected Soil parameters for each NBSCIA region

FIELD_ID	WATER _PH	ORG_ MTR	CEC	Sand %	Silt %	Clay %	Texture Classification	Active Carbon (mg/kg soil)	Water Stable Aggregates (%)
Carleton									
Avg.	6.1	5.5	13	36	48	15	Loam	561	56
StD.	0.6	1.8	3	9	8	3		155	22
Moncton									
Avg.	6.1	4.0	14	49	37	14	Loam	436	47
StD.	0.5	1.0	3	12	12	3		103	18
Central									
Avg.	6.0	7.6	17	49	37	14	Loam	760	84
StD.	0.5	2.1	2	11	8	5		145	11
Northshore									
Avg.	5.1	6.5	19	70	21	9	Loamy Sand	419	66
StD.	1.1	4.3	4	13	9	4		150	13
Northwest									
Avg.	5.9	7.0	15	44	42	14	Loam	721	71
StD.	0.7	2.6	4	7	6	3		196	29
Kings									
Avg.	6.0	4.9	12	51	37	12	Loam	467	66
StD.	0.5	1.6	3	10	9	2		131	26

Table 2: Comparative soil data from paired field locations in a potato rotation and two selected sites not in a potato rotation

FIELD_ID Car- leton	WA- TER_PH	CROP	ORG MTR RS	CEC	Texture Classi- fication	Active Carbon (mg/kg soil)	Water Stable Aggregates (%)
WHI250-Fence	5.7	Fence line-historic	5.4	14	Silt Loam	707	97.60
WHI251	5.1	Potatoes (long term rotation)	3.2	13	Silt Loam	491	31.76
WHI239-Past	5.4	Pasture (long term sod)	6.2	13	Loam	522	99.53
FAR289-New	6.8	Barley (1 crop yr)	6.2	11	Silt Loam	653	60.68
FAR289	6.7	Barley in potato rotation	4.3	9	Silt Loam	407	47.58
ESD261	6.2	Grass Forage - <= 50% legume	10.3	17	Loam	812	86.69
GUI353-New	6.9	Potatoes (1 crop yr)	10.6	19	Silt Loam	1060	54.80
GUI353	6.3	Potatoes (long term rotation)	4.4	11	Silt Loam	389	38.40
KNO303	4.7	Xmas trees-long term	4.1	16	Silt Loam	400	51.80

Central Review - Zoshia Fraser

Together with the Maritime Angus Association, the Central region hosted a summer pasture tour on August 24th. The first stop was at Springhill Farms where Bev McMurtrie and family greeted guest with a spread of homemade goodies. They introduced us to their farm history before taking us on a tour of their barn and pastures. The tour then moved on to Carlton County, where we had lunch with Trevor Welch at Garvie Mountain Angus before finishing the day with Ben Wohlgemuth of Green Leaf Harvesting. The tour had approximately 20 attendees.



Central's AGM was held February 6th at the Ramada Fredericton. The AGM included the pasture school from Steve Kenyon and a presentation from Sharon and Brian Connor of Connor's Farm, the 2019 Central Farm of the Year. The meeting was well attended, with 20 participants. Your executive committee will remain the same in 2020, with President Andre Brilman, Vice President David Duplessis and Secretary/Treasurer Gerry Boonstoppel.

As most of you have heard, your coordinator Leigha has moved on to an exciting new position with NBDAAF. She'll miss being your club coordinator but is excited to continue supporting New Brunswick Agriculture as Regional Crop Officer in Wicklow. NBSCIA is working diligently to find your next coordinator, in the meantime please contact Dave Walker for assistance.

Kings County Happenings - Joseph Graham

Here in Kings County we have enjoyed a somewhat mild winter. As the fields clear we hope for a dryer planting season than the spring prior. As the summer nears we are planning our annual events. This year's Kings county soil and crop will be hosting a tillage day in late summer/early fall. The location and date has yet to be determined. We hope to have various dealers there to show off their tillage equipment. We will be planning and updating you all once more information is finalized.

The Kings Local AGM was Feb 6th at JJ's Diner. The speaker for the day was Steven Kenyon from Greener Pastures Ranching. See the attached summary for more details on his presentation. The event was a success with over 30 guest in attendance despite the morning snow. JJ's Diner was very welcoming and the room was setup with plenty of space for our business meeting and presentation.

During the local Kings AGM we asked the membership for suggestions on equipment that may be useful or interesting to our membership. After taking these suggestions the board was able to decide on purchasing a No-till grass grain seeder. This process is in the early stages but we were happy for the membership's feedback. Anyone who attended last year's field day at Frank and Alex Jopp's would have saw the seeder on demo throughout the day. Once more information is finalized we will be excited to offer it on rental to our membership.



NTS2511 Seeder

Following the Local AGM was the provincial AGM on Feb 20-21 at the Woodstock Best Western. Kings had various members represent us as delegates and take part in the 2 day event. The speakers were all very interesting and relevant to what we do at NBSCIA.

A big thank you goes to Eric Walker and Lonsview farm for making the trip to Woodstock as the Kings Farm of the Year candidate. Lonsview represented Kings County very well with a strong showing. There were some truly incredible farms presented at this year's banquet. It was great to meet and learn about the candidates from each NBSCIA region. Congratulations goes to Be-liveau Orchard for taking home the prize. - Joseph



Lonsview Farm

Moncton/Chignecto News - Zoshia Fraser

It's been a while since our last newsletter and we've been busy in the Moncton-Chignecto region starting with a throwback to September when Moncton Soil and crop held a Corn Field day at Wesselius Holstein Ltd, in Wheaton Settlement, NB. The day included an overview from Jacob Wesselius of their first season using their new Vaderstadtempo high speed Corn planter, a presentation on weed management from Gavin Graham, NBDAAF Weed Specialist, and a presentation on European Corn borer from Jason Wells, NBDAAF Livestock Feed Specialist, before wrapping up with snacks and networking. Some of the take home messages from the day were: start clean and stay clean for weed management and you should be SCOUTING! You need to be out checking your field so you can make the best use of both herbicide and pesticide applications.



Both clubs held their AGMs in January. The Moncton AGM was held on January 31st at Mavericks Steakhouse. Katie McCallum presented the results of her research on forage species mixtures in NB, her take home message STOP planting triple mix! Congratulations to R&B Dykstra and Sons Ltd the Moncton Soil and Crop 2019 Farm of the Year. Their extensive dairy operation includes three fully functioning dairy farms managed by three of Reint and Bethany's four sons. Moncton's Executives will remain the same in 2020: President David Waddy, Vice President Ryan Van de Brand and Secretary & Treasurer Winston Jones. Welcome to our new board members Garth Morton and John Bos.



Chignecto's Annual Banquet and fundraiser was another success with approximately 140 attendees and \$1500 raised for the club's activities. Congratulations go out to Verger Belliveau Orchard for taking home the Chignecto and Provincial NBSCIA Farm of the Year honors. Sam and Robert run an impressive organization, check it out on Page 1! I'd also like to take a second to recognize the contributions of Fred Anderson, a long time president of Chignecto Soil and Crop who stepped down in 2019. Thanks for all your service Fred and good luck to our new 2020 president Nathan Murray. Con Rommens will continue to serve as secretary, Dean Acton as Vice President and Jessica Murray as Treasurer. Welcome to our new directors Jake Reade and Ryan Phinney.



Thanks to Cavendish Agri-Services for sponsoring both Farm of the Year awards!

2019 was also the first year our region was included in the monitoring of CHU, GDD and rainfall. Results are available on the NBSCIA website! Requests for spring soil sampling are already coming in from across our region so get your name on the list now! I'll be out as soon as the lab reopens.

Stay safe everyone and I can't wait to get back on your farms - Zoshia



Carleton County Roundup - Ray Carmichael

The Carleton Club hosted the NBSCIA Annual General in Woodstock February 20-21, 2020. Local directors for the upcoming year are Wietze Dykstra, Charlie McIntosh, Jordan Crawford, Greg Carpenter and Nic Graham.

A couple of planning meetings were held with NBDAAF staff to develop 2020 plans for the Weather Network project before the COVID-19 Emergency measures issued by Public Health authorities significantly restricted outreach activities as planned. Individual maps and summary reports for the NB Crop Production Optimization were delivered to each farmer by email.

A number of our regular services can be undertaken remotely such as completing project proposals, preparing farm maps, updating Environmental Farm Plans and preparing nutrient management plans or fertilizer recommendations.

My period of self-isolation ended March 27 symptom free. I recognize food production as an essential function of society. Going forward I am prepared to meet as required following the physical distancing guidelines. Surely meeting in the yard or field will be considered acceptable. Please do not hesitate to contact me for any assistance required. - Ray

PS Congrats to Ray on his 2019 Soil and Crop dedication award! - NBSCIA Team



North Shore Headlines - Nadler Simon

The North Shore NBSCIA is again fully engaged this year (2020) with its members who are primarily wild blueberry and forage producers. Our goals for this winter were to hold the AGMs, make or renew the 2020 membership registration, interpret soil and tissue analysis reports, document new developments in the agricultural industry and plan the oncoming agricultural season. Our efforts this winter have enabled us to obtain a significant success in all our activities. Both AGMs held in January, Bathurst on January 22 and in Paquetville on January 29, 2020, for the Anglophone (NE) and Francophone (CCNE) groups, respectively, resulted in a strong participation of members, with 23 and 24 attendees, respectively. Due to the interest expressed by growers for the North Shore NBSCIA services, about forty membership invoices were until now sent and more than ten membership fees have been already paid. From the soil and tissue analysis reports resulting from the sampling campaign in last fall, several recommendations based on sound scientific principles are being prepared for corresponding fertilizer applications. Main results from the presentations of speakers at the AGMs and from multiple projects led by NBSCIA (e.g. the C1920-0036 Soil Health Bench Marking - Reference project in collaboration with DalAC) were, inter alia, studied and used as guidance for further relevant documentation useful to members. An overview of main issues, specific needs and priorities of each member is now ongoing in order to better provide basic agronomy services to both Francophone and Anglophone groups for this upcoming season. Realizations of this winter will help coordinate technical assistance to members accordingly with the mission of the club to promote beneficial management practices in agriculture. Thus, towards the new agricultural season, timeline of activities (field day, field tour, scouting, etc.) are in progress, notably for management of organic and chemical fertilizers, control of weeds, insect pests and diseases, achievement of Environmental Farm Plans (EFP), preparing maps, collaboration to local R&D projects. -Nadler



Figure: A haskap field on the Acadian Peninsula adopting beneficial management practices

North West Press - Jean-Mars Jean-François

New-Brunswick farms serving the Environment



Environmental initiatives by farmers in Northwestern New-Brunswick paid off in protecting water quality in Madawaska County. The Iroquois-Blanchette watershed on which 4 farms of NWNO operate supplies the sedimentation wells of the City of Edmundston.

In 2019, the City of Edmundston has invested \$ 12,000 for farmers to address some actions to protect water quality. With this deal, more than 600 feet of gutters were installed on the roofs of manure pits to divert clean water away from piles of manure. On the other hand, a farmer has agreed to give up a pasture field located near the Blanchette Brook in order to eliminate all access of his cattle from the stream. Soon, this pasture will be reforested and fence lines will be installed

along the stream. In exchange for these actions, part of the budget has contributed to purchase a solar panel system to water the animals and an underground drain installed to divert clean water to downstream brook. In 2020, other actions already planned will be completed. Moreover, based on the works to be done, it would be difficult to secure the water quality over a short period of time.

The NWNO congratulate the City of Edmundston for its financial support to the agricultural sector and thank the farmers for having agreed to participate in such an approach for the benefit of the environment. —Jean Mars

NBSCIA Pasture Schools - Joseph Graham

NBSCIA was fortunate enough to have Steve Kenyon, from Greener Pastures Ranching present at three of our local AGM/Pasture schools. Steve, his wife Amber, and their 2 daughters operate a custom grazing ranch in central Alberta. The ranch operation is based on grazing custom cattle on leased land. Steve's presentation was largely focused on regenerative agriculture and how it applies to his management practices.

Steve discussed what he thought as the most important ingredient to crop success. Using the law of minimum as an example he explained that the most important part of this diagram was in fact the water. Using regenerative agriculture to build soil health he now keeps more water in his soils which helps during the hot dry summers of central Alberta. One key part of his strategy is to have numerous paddocks for his large herd. Each season grazing is planned on paddocks well in advance and then given a 25-45 day rest period, depending on the weather. Steve constantly rotates and monitors his fields to help him reduce the impact of over grazing. This method allows crops to regenerate faster and persist longer.

Steve has made regenerative agriculture a story of success on his ranch. Over the course of 15+ years of managing the operation the evidence is clear that his fields are flourishing. Steve's presentation was thought provoking and he wasn't afraid to challenge current agricultural practices. Steve was also adamant that any changes must be done economically, large system changes aren't possible overnight. However, small changes to the way we manage our soils could become more important for the long term sustainability of agriculture. When Steve started he never thought he would be travelling North America doing these presentations.



We were happy to have him present and wish him and his family the best of luck going forward.

The mission statement at Greener Pastures Ranching is "Economic and Environmental Sustainability for Generations". If you wish to see more of what Steve Kenyon is about check out the Greener Pastures Ranching Facebook page.



41st Annual General Meeting - Zoshia Fraser

Our 41st Annual General Meeting was held February 20-21st in Woodstock NB. The meeting had over 80 attendees and was a huge success. On day one of the AGM, we saw two presentations from our keynote Speaker Brendon Rockey, a potato farmer from Colorado. His presentations focused on regenerative agriculture and soil building in the potato production system. We also had a presentation on climate change from Stephanie Arnold of the UPEI climate lab.



The evening of the 20th was spent celebrating some excellent farmers from across the province. We had six outstanding farm of the year candidates in 2019. Special congratulations to Camerises Laplante Ltée and Côté Brothers Potato Co. Inc. the inaugural Farm of the year candidates for the North East and North West clubs! Congratulations to our other nominees Connor's Farms (Central) Lonsview Farms Ltd. (Kings) and R & B Dykstra & Sons Ltd. (Moncton) but, ultimately Verger Bellevue Orchard Chignecto soil and Crop's nominee walked away with the 2019 title. The night also saw two very deserving individuals received dedication awards for their services to NBSCIA. Ray Carmichael one of NBSCIA founders, the inaugural president and current day Carlton Coordinator. As well as Maarten Van Oord, a past provincial and central club president and mainstay in the New Brunswick Agriculture community. Thank you both for your service to not only NBSCIA but

to NB Agriculture as a whole.

Day two saw more great presentations on a range of topics including climate change, soil health and biomass crops. Thanks to all our great presenters! The business meeting saw resolutions pass on Lime support, land use policy and weather data. We received a financial report that has the organization back in the black for the first time in several years. Thanks to our outgoing General Manager Leigha Beckwith for all her work to stabilize our organization. We will certainly miss her leadership but we wish her luck as she starts her tenure with NBDAAF!



Provincial Board of Directors

President: John Best - Carlton
Vice President: Andrew Llovel - Central
Secretary/Treasurer: David Waddy - Moncton

North West

Allain Côté
 André Côté

Carlton

Charlie Macintosh

Central

Tyler Coburn

Club conseil du nord-est

Benoit Cormier
 Michel Ross

North East

John Riordon
 Ellen Gammon

Moncton

Ryan Van de Brand

Kings

Sheldon Moore
 Brian Walker

Chignecto

Fred Anderson
 Dean Acton

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

Equipment calibration

- 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

Contact Us

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

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