

MANITOBA
Pulse Soybean
GROWERS

ANNUAL
REPORT
2022





Vision

Manitoba farms sustainably producing profitable, quality pulse and soybean crops.

Reflecting the values and aspirations of our growers, MPSG conducts its business in a collaborative, positive and honest manner. We take the lead in developing production strategies based on creative yet practical research projects. We invest in the future of farming by advocating, developing markets and mentoring leaders.

Mission

To provide research, production knowledge and market development support to Manitoba pulse and soybean farmers.

MPSG is supported by a mandatory, refundable check-off on sales of commercial pulses and soybeans in Manitoba. A Board of Directors, elected at the organization's annual general meeting, provides oversight and governance. Reporting to the Board, the Executive Director is responsible for executing the association's strategic plan.





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MPSG Board of Directors



Melvin Rattai

Beausejour, MB

Chair of MPSG
Executive Committee Member
Finance/Audit Committee Member
Research Committee Member
Soy Canada Representative



Brendan Phillips

Hartney, MB

Vice-chair of MPSG
Executive Committee Member
Chair Policy Committee
Finance/Audit Committee Member
Grain Growers of Canada Representative
• Business Risk Management



John Preun

St. Andrews, MB

Chair Finance/Audit Committee
Market Development Committee Member
U of M Research Agronomist Advisory Committee Member
Pulse Canada Representative



Frank Prince

Waskada, MB

Chair Governance H/R Committee
Chair U of M Research Agronomist Advisory Committee



Ben Martens

Boissevain, MB

Market Development Committee Member
Research Committee Member
Pulse Canada Representative



Ernie Sirski

Dauphin, MB

Executive Committee Member
Policy Committee Member
Grain Growers of Canada Representative
• Trade and Marketing



Bryce MacMillan
Marquette, MB

Chair Governance H/R Committee
Communications/Member
Relations Committee Member



Garrett Sawatzky
Altona, MB

Chair Resolutions Committee
Chair Nominating Committee
Chair Communications/Member
Relations Committee
Research Committee Member
Canadian Grain Commission Pulse
Sub-Committee Member



Bryce Pallister
Portage la Prairie, MB

Policy Committee Member
Chair Market Development
Committee
Research Committee Member

Alex Burgess
Minnedosa, MB

Policy Committee Member
Resolutions Committee Member
Nominating Committee Member
Communications/Member Relations
Committee Member
Research and Production Committee
Member

2022 MPSG Board Committees

Committee	Chair	Members
Executive	Melvin Rattai	Brendan Phillips, Ernie Sirski
Governance/ Human Resources	Bryce MacMillan	Frank Prince
Policy	Brendan Phillips	Alex Burgess, Bryce Pallister, Ernie Sirski
Finance/Audit	John Preun	Brendan Phillips, Melvin Rattai
Resolutions	Garrett Sawatzky	Alex Burgess
Nominating	Garrett Sawatzky	Alex Burgess
Communications/Member Relations	Garrett Sawatzky	Alex Burgess, Bryce MacMillan
Market Development	Bryce Pallister	Ben Martens, John Preun
Research and Production	Frank Prince	Alex Burgess, Ben Martens, Bryce Pallister, Melvin Rattai, Garrett Sawatzky
U of M Research Agronomist Advisory	Frank Prince	John Preun

MPSG Staff



Leanne Koroscil
On-Farm Network Agronomist



Ian Kirby
On-Farm Network Technician



Elisabeth Harms
Communications Coordinator



Cassandra Tkachuk
Research Project Manager



Wendy Voogt-Howard
Research and Check-off Administrator



Robyn Swark
*Finance and Member Relations
Coordinator*



Laura Schmidt
Production Specialist - West



Jennifer McCombe-Theroux
Production Specialist-East



Daryl Domitruk
Executive Director



Melissa Denys
*Director of Finance and
Administration*

ANNUAL GENERAL MEETING

Victoria Inn & Conference Centre, Winnipeg, MB
February 15, 2023 | 8:00 a.m.

Time	Item	Presenter	Action
8:00 am	Call to order Annual General Meeting	Melvin Rattai	
	Approval of Agenda	Melvin Rattai	MOTION to Approve
	Meeting Procedures	Melvin Rattai	
	Minutes of the 2021 AGM	Melvin Rattai	MOTION to Adopt
	Chair's Report	Melvin Rattai	
8:10 am	Nominating Committee Report	Garrett Sawatzky	
8:15 am	Auditors 2022 Report	Alex George	MOTION to Adopt
	Appointment of Auditors for 2023	Melvin Rattai	MOTION to Appoint
8:25 am	Executive Director's Report	Daryl Domitruk	
8:30 am	Research & Production Report	Cassandra Tkachuk	
8:45 am	Resolutions Committee Report	Garrett Sawatzky	MOTION to Approve
	Outgoing Director Acknowledgement	Brendan Phillips	
8:50 am	Open Discussion and Questions	Melvin Rattai	
8:55 am	Other Business	Melvin Rattai	
9:00 am	Adjourn	Melvin Rattai	

SCIENTIFIC RESEARCH & EXPERIMENTAL DEVELOPMENT TAX CREDIT



Farmers that contribute check-off dollars to MPSG and are in good standing are eligible to claim the federal scientific research & experimental development (SR&ED) tax credit.

For the 2022 tax year, 26.37% of MPSG check-off qualifies for the SR&ED tax credit.

For more information on the process of claiming the tax credit, please consult a tax accountant or visit the Canada Revenue Agency website.

The 2001-2022 MPSG SR&ED tax credit rates are available on the MPSG website: manitobapulse.ca.

2021 VIRTUAL ANNUAL GENERAL MEETING MINUTES

February 15, 2022 | 8:00 a.m.

Item	Agenda Item	Presenter
1.	CALL TO ORDER 9:02 am Annual General Meeting called to order	C. Penner
2.	AGENDA MOTION: To approve the agenda for the Annual General Meeting as presented. Moved: John Preun/Seconded: Randy Froese - CARRIED-	C. Penner
3.	MEETING PROCEDURES	C. Penner
4.	MINUTES OF THE 2021 AGM MOTION: That the minutes of the 2021 Annual General Meeting be adopted as circulated. Moved: Bryce MacMillan/Seconded Ernie Sirski -CARRIED-	C. Penner
5.	NOMINATING COMMITTEE REPORT On behalf of the Nominating Committee, chair B. Phillips, presented the committee report. The committee reported that the terms of the following three directors expire in 2022: Cal Penner, John Preun and Garrett Sawatzky. Cal is not seeking another term. John and Garrett submitted their nomination papers, and new candidate Alex Burgess submitted his nomination papers. Since no other members filed nomination papers prior to the January 27, 2022 deadline, the two incumbents and new candidate are elected by acclamation to three, three-year terms (2022-2025). Introduction of returning board members and welcome to new board member.	B. Phillips
6.	AUDITOR'S REPORT MOTION: That the 2023 audited financial statements be adopted as presented by Alex George of George & Associates Chartered Professional Accountants Inc. Moved: Jack Froese/Seconded: Scott Penner - CARRIED-	A. George
7.	APPOINTMENT OF AUDITORS MOTION: That George & Associates Chartered Professional Accountants Inc. be appointed auditors for the Manitoba Pulse & Soybean Growers for 2022. Moved: Chuck Fossay/Seconded: John Preun-CARRIED-	C. Penner
8.	SR&ED PRESENTATION M. Denys presented the 2021 SR&ED eligible claim.	M. Denys
9.	EXECUTIVE DIRECTOR'S REPORT D. Domitruk presented the Executive Director's report.	D. Domitruk
10.	RESEARCH & PRODUCTION REPORT D. Domitruk presented the 2021 Research & Production report.	D. Domitruk
11.	RESOLUTIONS COMMITTEE REPORT –On behalf of the Resolutions Committee, chair B. Phillips presented the committee report. No resolutions, from the membership, were submitted prior to the December 1, 2021 deadline. The board brought forward the following two resolutions to its members. 1. Be it resolved, that in 2022, MPSG will act as an agent on behalf of its producer members in all matters relating to Scientific Research & Experimental Development (SR&ED). Moved: Ernie Sirski / Seconded: Ben Martens -CARRIED – 2. Be it resolved that all acts, contracts, and payments, made, done, and taken by the directors and officers of the Association, be and are hereby approved, ratified, sanctioned and confirmed. Moved: Chuck Fossay/Seconded: Ernie Sirski -CARRIED –	B. Phillips
12.	OUTGOING DIRECTOR ACKNOWLEDGEMENT Exiting director, Calvin Penner was recognized for her contribution to the pulse and soybean industry.	M. Rattai
13.	OPEN DISCUSSION AND QUESTIONS	C. Penner
14.	OTHER BUSINESS – There was no other business to report.	C. Penner
15.	ADJOURN: 9:08 am	C. Penner



Message from Board Chair

Melvin Rattai



I am honoured and privileged to serve as Chair of Manitoba Pulse & Soybean Growers (MPSG), a position I have held since our last AGM. It feels good when your peers, with whom you have worked for many years, have faith in your ability to lead. Prior to this role, I served as an MPSG board member for seven years and was vice-chair for three of those years.

Despite a year of wild market swings that has kept MPSG

busy, we have had many shining moments in the past year — concrete examples of the association truly serving you, its farmer members. One such moment was working with Manitoba Agricultural Services Corporation (MASC) to extend the soybean seeding date to the first week in June.

After talking with MASC, we combined our soybean data with theirs to create a clearer picture of what was happening in the interplay between seeding date and yield. We learned that shortening the growing season would be no problem for the varieties currently available to farmers. Most of the data by far came from MASC itself. By combining our data, insurer and insured now have common ground.

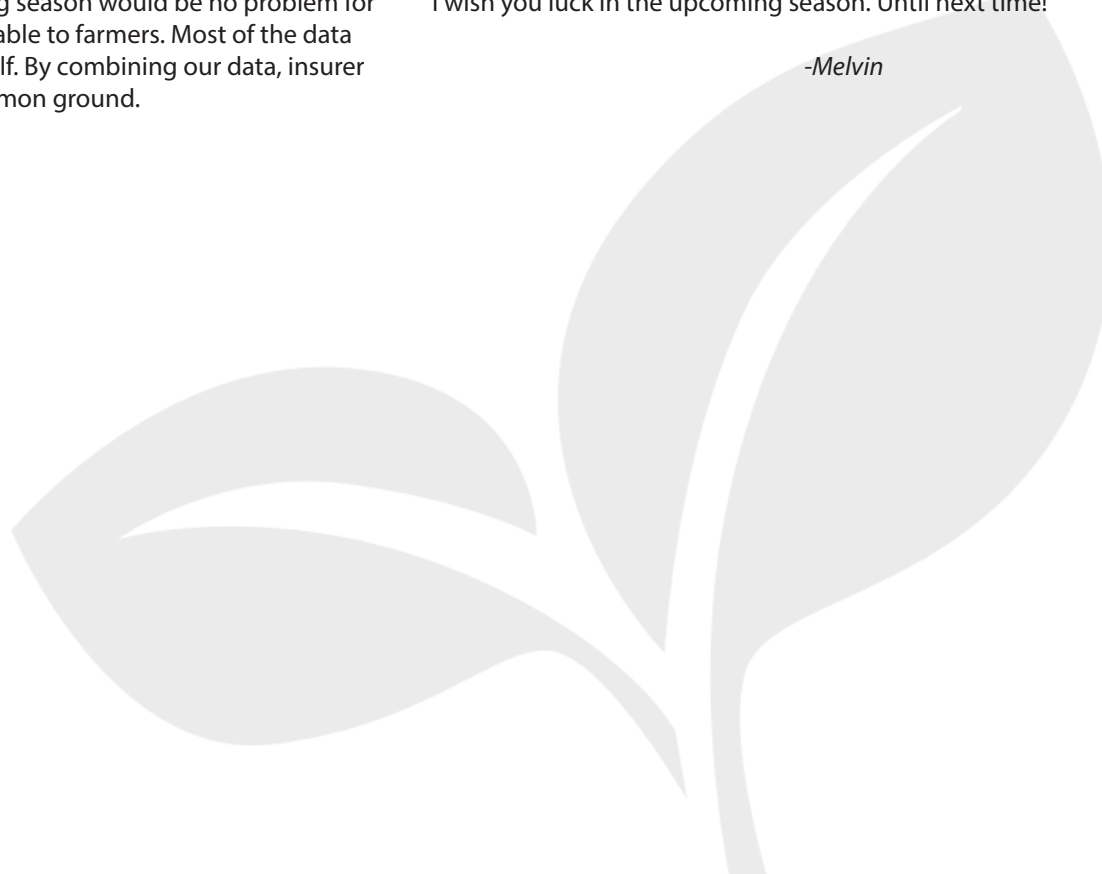
We put the MASC extension to good use on our family farm this year. We seeded most of our soybeans by June 4. My son and daughter were impressed that we were able to still achieve an average of 48 bushels per acre crop. The working relationship MPSG has with MASC and the resulting changes to their crop insurance policies, for me, is a great example of how the investments we as farmers make into research do, in fact, pay off.

In the coming year, our family farm looks to capitalize again on the research that MPSG invests in. We are planning a conventional soybean trial to grow soybeans with enough protein for human consumption. We have worked on our farm to evaluate the logistics of growing a food-grade variety versus a herbicide-tolerant variety for the crushing market. By the time the 2023 crop is in the bin, we will know which approach will make a profit for the farm.

I hope MPSG can look at the 2023 growing season as one full of opportunities — for increasing yields, for capitalizing on research and for embracing the challenges it will present. MPSG's staff will be happy to help with any request you might have, so please feel free to reach out to them.

I wish you luck in the upcoming season. Until next time!

-Melvin



Message from Executive Director

Daryl Domitruk, PhD, PAg

As with most ag events, 2022 marked the return to in-person meetings of MPSG's board of directors. Immediately, I noticed a return to the collegial, but vigorous, brand of discussion MPSG directors are known for. That said, they're also a thrifty bunch and meetings of our various committees continued in the virtual format we'd optimized during the pandemic to save time and dollars.

Also returning to almost normal was MPSG's revenue. Reflecting members' experience of higher crop prices, decent yields and late season deliveries, MPSG revenue bounced back from drought-induced lows. Maintaining our intense focus on research and extension (*see chart*), virtually all of that additional revenue will be dedicated to research and extension projects starting in 2023.

In some cases, producers experienced exceptionally high yields in 2022. Of course, the presence of water was the major contrast with 2021. But water wasn't the only contributor to high yields, as almost all fields were seeded much later than normal - MASC's extension of seeding dates for soybeans was a definite win. By carefully surveying over 100 fields in 2022, we noticed more of these crops being managed using the most up-to-date recommendations. Clearly, producers and agronomists continue to soak up and apply advanced agronomic knowledge. I like to think MPSG's research and extension efforts had something to do with making this knowledge practical and accessible.

Of course, many challenges remain. In 2022, MPSG committed to specific objectives that will shape research and extension going forward. First, it's clear soybean farmers would benefit from varieties that are more tolerant of drought. By teaming with federal and private sector researchers, MPSG has embarked on a multi-year mission to improve soybean yield under drought. Second, MPSG has extended its commitment to research with results closer to the farm gate. Programs such as the On-Farm Network, regional variety testing and Agronomist-in-Residence at UM are being renewed, re-focused and in some cases expanded. Joining those programs will be more work on simple comparisons of crop protection products.

Tackling drought tolerance and disease resistance also requires upstream research, which we will continue to fund on a targeted basis.

I can't write about 2022 without mentioning sustainability. Partly due to government policies and partly just a sign of the times, sustainability became a pre-occupation for many farm groups last year. I serve on four or five industry and government sustainability committees at any given time. Fortunately, annual legumes such as soybeans and pulses are leading examples of true economic and environmental stewardship.



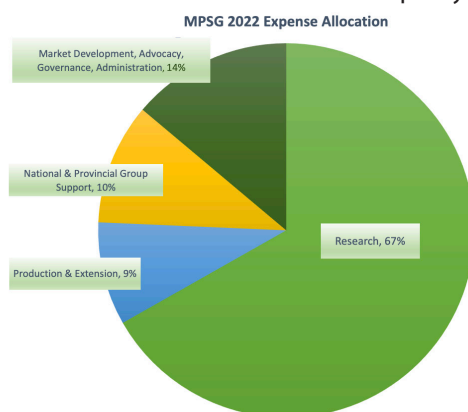
The past year saw MPSG fully recognize the challenges and rewards of running a vibrant and responsive extension and communications program. With changes to the way we publish magazines, the soon-to-be refreshed website and Bean App and enhanced commitments to Ag in the Classroom and *Great Tastes of Manitoba*, MPSG is doubling down on telling the research story to farmers and farmers' stories to the broader public.

The work of Soy Canada, Pulse Canada and Grain Growers of Canada is vital to the present and future state of our industry. In 2022, MPSG continued to provide financial and personnel support to these groups' sustainability and market development activities. These national groups go places and do things we could not without great expense. I hope their actions receive more attention.

MPSG has always been a supporter of research that was both practical and cutting edge. In 2022, the possibility arose that the primary sources of farm technological change – biotech, chemistry, mechanization – may soon be overshadowed by the dawn of artificial intelligence. Along with climate change, artificial intelligence will be the hardest thing for us get our heads around. MPSG is preparing to take on this challenge on behalf of our members. It's exciting and a bit daunting.

Ultimately, MPSG was able to work through 2022's dip in revenue, several puzzling crop production questions and challenging bureaucratic processes to continue improving prospects for Manitoba pulse and soybean growers. For this I must extend my deep appreciation to MPSG's dedicated staff and contractors and to our farmer members across the province whose trust we are committed to maintaining in 2023.

-Daryl



Research and Production Report

Cassandra Tkachuk, MSc, PAg, CCA, Research Project Manager

RESEARCH

Each year, MPSG’s research and production committee confirms the direction and outcomes that guide the development and funding of new projects. The committee’s decisions in 2022 were brought to government, university, college and other public laboratories to develop projects that, when extended to growers, advance their knowledge of pulse and soybean production. MPSG’s significant extension and communications program then complemented any research that was underway or wrapping up.

Research targets included the reduction of production costs and improvement of yield, crop quality and soil health to enhance the profitability and sustainability of pulse and soybean production. MPSG projects were conducted at a range of scales from laboratory experiments to small plot field studies to farm-scale trials working with MPSG members.

On-Farm Network

In 2022, MPSG’s On-Farm Network (OFN) harvested 44 trials across all major agricultural regions of Manitoba. This brings MPSG’s portfolio of on-farm experiment results to 462 total trials since the network’s conception in 2012. During the 2022 growing season, 12 different topics were examined across soybean, field pea and dry bean crops. Two new topics explored in 2022 were field pea and dry bean biological product testing.

2022 OFN trials:

Soybean Trials	Field Pea Trials	Dry Bean Trials
22 Total Trials	20 Total Trials	2 Total Trials
<ul style="list-style-type: none">• 7 seeding rate• 7 biological• 3 double inoculant• 3 row spacing• 2 single inoculant	<ul style="list-style-type: none">• 13 fungicide• 3 seeding rate• 2 biological• 1 double inoculant• 1 boron	<ul style="list-style-type: none">• 1 biological• 1 fungicide

On-farm trials spanned different soil types, crop varieties and farm equipment configurations across Manitoba, allowing MPSG members to objectively assess the performance of crop inputs and agronomic practices under real farm conditions. These trials are designed to complement small-plot research by subjecting small-plot results to farm-scale conditions.

The OFN team consisted of one agronomist, one technician and two summer students. This team worked closely in collaboration with Tone Ag Consulting, New Era Ag Technologies, Green Aero Technology Inc. and Assiniboine Community College.



Agronomist-in-Residence (AIR)

The AIR research program led by Kristen MacMillan, MSc., is a unique collaboration between MPSG and the University of Manitoba and is currently being renewed for another five years. This program focuses on improving pulse and soybean profitability by bridging the gap between academic research and practical agronomic recommendations. This requires the AIR to perform both small-plot and on-farm research.



In 2022, the sixth year of the program, 14 trials were conducted addressing eight different applied research topics. Most were a continuation from previous years, including soybean iron deficiency chlorosis response, soybean herbicide timing, peas in a long-term crop rotation, pea response to preceding crop, residue management and P fertilizer, evaluation of new dry bean inoculants, intercropping with soybeans and peas in the Interlake and relay cropping with winter cereals and grain legumes at Carman. Two new projects in 2022 included soybean herbicide timing and an assessment of the growth and development of dry beans and yellow peas in Manitoba, utilizing data that was previously collected from existing trials.



Each year, the results from all AIR projects are compiled into a report that is made available at manitobapulse.ca and on Kristen's U of M home page. She was active in extension throughout 2022, presenting at events, writing articles for Pulse Beat magazine, teaching students at the U of M and providing updates through @kpmacmillanUM on Twitter.

New Research Projects

The 2022 research year was at the crossroads of project finalization from the previous five-year funding period and the onset and planning of the next five years. Plans were in place by year end to initiate new projects in 2023 using leveraged MPSG funds, seeking to solve production challenges and uncover opportunities for pulse and soybean growers.

Several single-year projects and capital purchases were completed as part of the final year of the Canadian Agricultural Partnership program. These projects included field testing of a fully automated, made-in-Manitoba data rover designed to collect stress tolerance data in soybeans, analysis of the carbon (C) intensity of annual legume production and their adaptation potential for the future low C economy and expanded soybean protein testing using regional variety trial data. Capital purchases included a near infrared (NIR) machine for protein research at AAFC-Morden, and a 3/4-ton truck and truck-mounted soil probe for the On-Farm Network. In addition, MPSG contributed \$70,000 to the Manitoba Crop Variety Evaluation Team (MCVET) to continue field pea and faba bean variety evaluation trials over a ten-year period.

In 2022, MPSG committed \$2.2 million of leveraged funds (government funding pending) to 22 new projects listed in the following table. Development of these projects culminated in proposals submitted to the federal Sustainable Canadian Agricultural Partnership (sCAP) AgriScience Program, including the Canadian Field Crops Research Alliance (CFCRA)/Soybean Cluster, Pulse Cluster, Integrated Crop Agronomy Cluster, Genome Prairie and the upcoming Canada-Manitoba sCAP program. The proposals represent close collaboration with sister organizations across Canada and within Manitoba. In addition, MPSG developed unique partnerships with local innovators to ensure MPSG's research priorities and membership needs would be met for 2023 and onward.

Projects approved for funding in 2022:

Reducing the economic impact of pests	
Field pea foliar fungicide comparison.	ACC
Understanding dry bean root rot and soybean cyst nematode management.	AAFC
Accelerating solutions to root rot of peas and lentils.	AAFC
The Prairie Weed Monitoring Network (PWMN): Surveillance, risk assessment and forecasting.	AAFC
Decoding the life cycles of Fusarium species across multiple host crops.	AAFC
Examining farming without glyphosate compared to other weed control strategies.	AAFC
Protecting Manitoba's soybean industry from soybean cyst nematode.	U of M
Enhancing yield and marketable quality	
Optimizing crop rotations that include both soybeans and peas in western Manitoba (project extended).	AAFC
Prolonged nitrogen fixation (PNF) during periodic moisture stress to enhance yield and protein accumulation in soybean.	U of M
Breeding of short-season, drought tolerant soybeans.	AAFC
Breeding of pinto, navy and black beans in Manitoba for improved yield, disease resistance and seed quality.	AAFC
Breeding of peas to increase nitrogen fixation, root health, protein concentration, quality and functionality and resilience to heat/drought tolerance and disease.	U of S
Breeding of peas to improve yield, maturity, standability and seed size.	AAFC
Genomic improvement of faba beans.	AAFC
Bio-inoculant development for dry beans using a genomics-driven approach.	U of M/QU
Characterizing the protein and amino acid composition of Manitoba-grown soybean to support commercial value-added applications.	U of M
Can we improve the GHG footprint and profitability of dry beans by reducing nitrogen fertilizer use?	U of M/AIR
Investigating pea crop rotation length and sequence for sustainable protein production in Manitoba.	U of M/AIR
Mitigating risks associated with iron deficiency chlorosis, land rolling and weed control timing in soybeans.	U of M/AIR
Local screening of commercial soybean varieties and breeding populations for yield potential, nitrogen fixation and tolerance to abiotic stress.	N49
Improving soil health	
Building resilient soils with cover crops on-farm in Manitoba.	U of M
Soil and water management using tile drainage in an undulating landscape in western Manitoba.	AEC/PBS-WE

AAFC - Agriculture and Agri-food Canada
ACC - Assiniboine Community College
N49 - N49 Genetics Inc.

U of M - University of Manitoba
AEC - Agri-Earth Consulting Ltd.
U of S - University of Saskatchewan

PBS-WE - PBS Water Engineering Ltd.
QU - Queens University
AIR - Agronomist-in-Residence

PRODUCTION EXTENSION

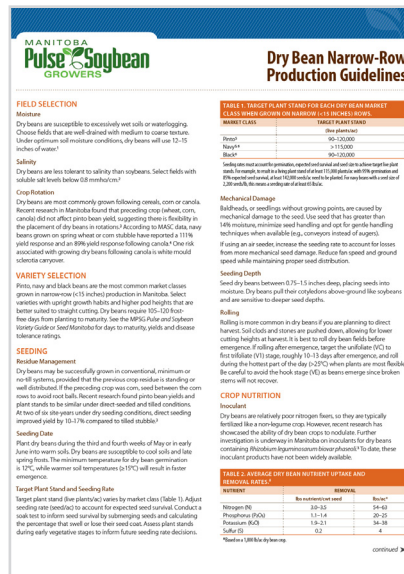
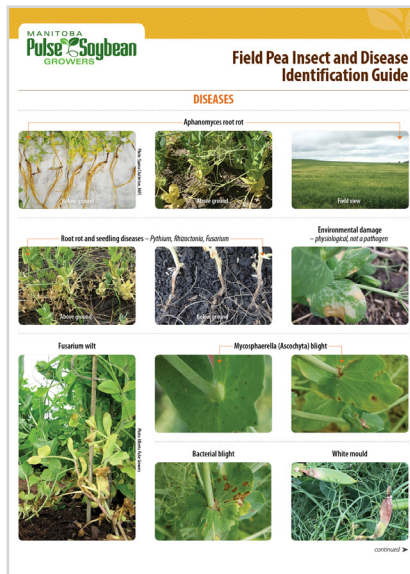
The extension of knowledge gained through research is an indispensable activity for MPSG. Extension is accomplished in the following ways:

- Development and distribution of *Pulse Beat* magazine, *The Bean Report* newsletter and radio report, fact sheets and the Bean App.
- In-person and virtual extension events.
- Publishing results of crop variety trials conducted at multiple locations across the province.
- In-season scouting by MPSG production specialists and the On-Farm Network team.
- Social media and farm press interviews.

Production Resources

Three new fact sheets were developed and issued in 2022:

- *Field Pea Disease and Insect Identification Guide*
- *Dry Bean Narrow-Row Production Guidelines*
- *Organic Field Pea Weed Control Guide* (in association with Manitoba Agriculture and Rouquette)



Rebuilding and development of the MPSG Bean App and website continued in 2022. The smartphone app provides a variety of in-season tools specifically for pulses and soybeans. The new version will allow for the addition of more tools and resources.

Extension Events

In 2022, MPSG hosted and co-hosted a variety of virtual and in-person events:

- *Your Fields, Your Results* in February - co-hosted by MPSG and Manitoba Crop Alliance (MCA) to showcase long-term on-farm results - 61 attendees.
- *Getting It Right Crop Production Meeting* in March - hosted by MPSG virtually, featuring topics like soybean protein, Aphanomyces root rot in peas, soybean cyst nematode and On-Farm Network results - 103 attendees.
- *Combine College* at Dauphin and Portage la Prairie in July - co-hosted by MPSG, MCA, Manitoba Canola Growers Association (MCGA) and Canada Council of Canada - 200 attendees.
- *Dry Bean Tour* at AAFC-Morden in August - hosted by MPSG hosted to showcase various dry bean research, including the extensive, MPSG-funded dry bean breeding program led by Dr. Anfu Hou - 30 attendees.
- *On-Farm Appreciation Dinner* at Winnipeg in December - co-hosted by MPSG, MCA and MCGA to share the 2022 results with trial participants and their invited guests, and other stakeholders - 103 attendees.



The MPSG team participated in events hosted by other Manitoba groups throughout the year, including Crop Diagnostic School, independent agronomist and company crop tours, Diversification Centre tours and the Combine Colleges. This allowed for in-person connection with over 640 Manitoba farmers across all of these events. MPSG's OFN agronomist also traveled to present at the Indian Head Agricultural Research Foundation (IHARF) On-Farm Research Seminar in Regina, SK and the Prairie Grains Conference in Grand Forks, ND.

The MPSG team also responded to many media requests in 2022, including radio, magazine and newspaper interviews and podcast episodes.

Publications

Early in 2022, MPSG mailed out its sixth issue of *Pulse Beat – The Science Edition* magazine containing single-page articles that summarized 16 completed, MPSG-funded research projects. In addition, two regular issues of *Pulse Beat* magazine were completed – the spring and fall/winter issues – along with one summer newsletter entitled, *Pulse Beat Express*.

MPSG agronomists steadily gathered information and images from crop visits and surveillance throughout the growing season. Approximately 100 farmer fields, 31 variety trials and 40 On-Farm Network trials were scouted. This collection of information was featured in 17 Bean Reports that were emailed bi-weekly to farmers and agronomists throughout the 2022 growing season. Emails were supplemented by social media posts and 10 radio reports on ag stations. Bean Reports continued to be issued on a monthly basis during the fall and winter. The boots-on-the-ground experience also fuelled fall and winter extension initiatives.



On-Farm Network results were compiled into a booklet containing single-page reports from each trial in 2022. These results booklets were distributed to cooperating farmers at the annual On-Farm Appreciation Dinner. Throughout the year, on-farm updates and results were shared with the membership through extension presentations, regular *Pulse Beat* articles, *The Bean Report* and @OFNagronomist on Twitter.

The Bean Report



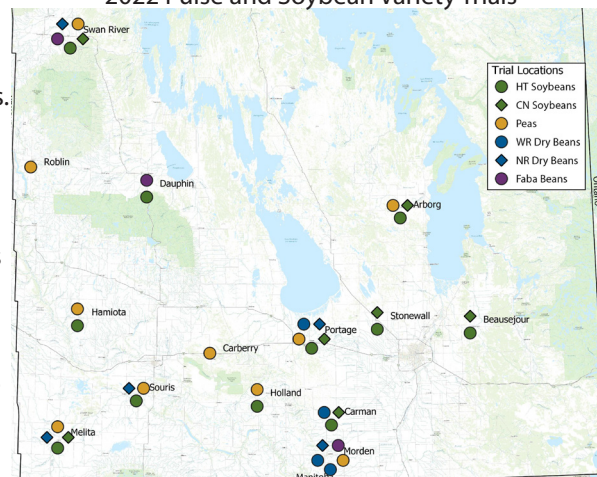
Regional Variety Testing

In 2022, MPSG continued its long-standing and extensive variety evaluation program involving soybeans, dry beans, field peas and faba beans. The program included 50 trials testing 193 varieties across all crops. Trials included:

- *Herbicide tolerant soybeans* - 19 trials, 12 locations, 61 varieties
- *Conventional soybeans* - 9 trials, 9 locations, 46 varieties
- *Dry beans* – 9 trials (4 wide-row, 5 narrow-row), 7 locations, 52 varieties
- *Field peas* – 10 trials, 10 locations, 26 varieties
- *Faba beans* – 3 trials, 3 locations, 8 varieties

For each crop, the varieties tested represented all market classes available to Manitoba growers. Soybean varieties were grouped according to their adaptation to eastern or western growing regions and by their maturity zone. Testing was conducted in close association with Manitoba Agriculture, MCVET and the seed industry. Results from the 2022 field season are available in the MPSG Pulse and Soybean Variety Guide and Seed Manitoba.

2022 Pulse and Soybean Variety Trials



Pest Surveillance

MPSG production specialists participated in the annual survey of pea and soybean diseases. In 2022, MPSG piloted a new disease detection tool developed by AYOS Technologies. The new tool distinguishes phytophthora root rot (PRR) pathotypes in Manitoba soils and screens soybean varieties for field tolerance to PRR. MPSG also led a pea leaf weevil survey across western and central Manitoba.

Market Development

Research in pulse and soybean production is augmented by corresponding efforts to expand markets. Membership in Pulse Canada and Soy Canada enables MPSG to access those organization's expertise in market assessment and development. This provides guidance to research that directly supports market expansion.

In 2022, activities were focused on delivering a campaign to promote dry bean consumption among Canadians. The program was released in 2021 in conjunction with Pulse Canada and our sister provincial pulse organizations. Locally, the campaign complements MPSG's contribution to the *Great Tastes of Manitoba* television program.

**GREAT
Tastes
OF MANITOBA**

Industry stakeholders advanced the development and adoption of sustainability indices in 2022 to ensure Canadian pulses and soybeans meet or exceed market requirements with respect to sustainability metrics. Regardless of how Canada's farmers ultimately measure and report on their sustainability practices, pulses and soybeans will contribute greatly to Canada's story of success. Locally, significant strides continue to be made in understanding Manitoba soybean protein and its elevated levels of amino acids critical to animal growth and development. This knowledge is supporting companies that are pioneering the market for Manitoba soybean meal in dairy and hog feed formulations.





www.manitobapulse.ca

