



PituraSeeds.ca



SEED GUIDE 2023



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Seed Treatments



Welcome to our 2023 Seed Guide!

Over this past year, our team has been busy evaluating, testing, and growing varieties that we feel are going to be a fit for our customers. With the moisture that we received this year, it provided an opportunity to understand how some varieties perform, compared to last year when we were dry. Our team has learned a lot this year, as they continue to strive towards being experts on these products. We look forward to sharing this information to help support your decisions in this coming season.

I want to thank everyone that worked with us over this past year. Our relationships and partnerships mean the world to us. We look forward to continually improving, and strengthening our relationships, as we serve you in 2023.

Tom Greaves
President,
Pitura Seeds

VISION STATEMENT

To become the most trusted provider of seed and seed services in Western Canada.

We will accomplish this by:

- Accessing the best variety for every acre.
- Striving for the highest standards and quality control in everything we do.
- Investing in technology and being experts in our space.
- Focusing on family, community and building strong relationships with customers, partners and team members.



SEED PROCESSING

We recently built a state-of-the-art cleaning facility. This facility has all the newest technology to maintain the highest quality, including a colour sorter.

- We have two modern, automated seed plants for cleaning and processing of seed lots
- Our plants have been designed to handle delicate products (eg. soybeans and peas) while maintaining top quality
- Toting and bagging abilities
- Seed treating - state-of-the-art, high capacity treating facility with multiple treaters

AGRONOMY

Our certified agronomists can provide:

- 4R Nitrogen Management & Application **NEW**
- Crop scouting
- Crop diagnostics
- Soil testing
- Product recommendations
- Small plot research

COMMERCIAL PRODUCTION CONTRACTS

We act as contract agents for Merit Functional Foods and Northstar Genetics for:

- Yellow peas
- Organic yellow peas
- Non-GMO soybeans
- Non-GMO canola

CUSTOM APPLICATION

We provide custom:

- Planting with a JD DB60 Planter (20" Row)
- Seeding with a JD 1890, low disturbance disk drill (7.5" spacing)

LOGISTICS

- We can coordinate CND/US/EU freight and brokerage
- We also have our own trucks to help pick-up and deliver to our customers

STORAGE AND WAREHOUSING

We Provide:

- Custom storage solutions to our customers for both bulk and pallet products

EQUIPMENT RENTALS

We rent out:

- Land rollers
- Conveyors
- Tree scoop
- Pulldozer

ONLINE RESOURCES

- Download the Agro.Club app and order your inputs online
- Visit www.pituraseeds.ca for up to date field results, Seed Perspective Newsletter, YouTube videos and agronomy articles
- To view Merit Functional Foods current non-GMO canola & pea contract pricing & learn about key features on grower contracts, visit growerpricing.meritfoods.com

Our Partners



Contact Us: 204-736-2849



Calvin Pitura
Chairman of
the Board



Tom Greaves
President,
Pitura Seed
Service



**Connor
Pitura**
President,
Pitura Seed
Farm



**Barb Strath-
Pitura**
Chief Financial
Officer



**Laird
Lampertz**
Sales Manager



Steve Tapley
Sales
Agronomist



**Katie
Meggison**
Sales
Agronomist



**Thomas
Cuddy**
Production
Agronomist



**Oleksii (Alex)
Iedynak**
Quality Control



Kyle Syreene
Production
Assistant



**Cory
Bartmanovich**
Production
Assistant



Paul Janzen
Production
Assistant



Kevin Scallan
Production
Foreman



**Marcos
D'Avila**
Operations
Manager



**Blair
Thorsteinson**
Planning and
Logistics
Coordinator



**Steven
Baudry**
Maintenance
Foreman



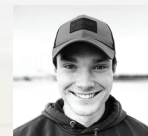
**Jaydan
Cormier**
Class 1 Driver



Tyler Penner
Production
Assistant



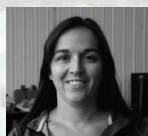
Efrain Chay
Production
Assistant



**Brendan
Bourns**
Production
Assistant



**Jaime
Dobrowolski**
Office Admin



Melissa Jones
Office/Finance
Administrator



Kyle Peters
Controller

When Old Friends Join Forces, it's to Make the Community Better

Pitura Seeds and DSAG are partnering to bring new options to growers.



They went to school together and watched one another walk down the aisle – so why not join forces in business, too?

It's been just over a year since two longtime friends announced they were partnering to help growers make their seed and agronomy decisions, and they couldn't be happier about the arrangement.

Tom Greaves and Justin Daymond have formed a new partnership between their respective companies, Pitura Seeds and DSAG.

With Daymond at the helm as general manager, DSAG serves the Cypress River area with pedigreed seed, seed treatment and agronomy services, replicating the high level of quality, service and expertise farmers have come to expect from Pitura Seeds.

"We went to university together and have been great friends for a long time. We were both in each other's wedding parties. So, you might say we know one another well in our personal lives. It only made sense to join forces in business, too," says Greaves, president of Pitura Seeds.

As far back as five years ago when they began a sales alliance, Greaves and Daymond saw a need in the Cypress River community for the kind of services someone like Daymond and his staff can provide. A Certified Crop Advisor, Daymond takes pride in serving the community and bringing his services to local growers.

DSAG celebrated its official grand opening in August of 2022, and Daymond says he's been encouraged by the support of the community.

"Everyone in this business knows how it feels to invest into a site, and you really don't know if your potential customers are going to follow you. It feels so good to have people coming on board. It's been terrific," Daymond says.

He says showing local Cypress River residents that his business is here to stay has been a crucial part of building his customer base, and being partners with Pitura Seeds has made a big difference.

"Everyone in this region knows Tom and the Pitura Seeds name so well, so having their backing has given everyone involved in this a lot of confidence that we're providing people with the best product we can," Daymond adds.

Greaves says the presence of DSAG in the community is going to provide an important new option for local residents who've been needing a reliable seed sales and agronomy provider who can offer them new business opportunities at a time when the market is changing and consumer preferences along with them.

"Justin and his staff are going to bring more opportunities to farmers in the area. They're an extension of Pitura Seeds in a lot of ways, and whether it be contracts on seed production or even pea production for plant based protein, I think there's a lot of opportunities that DSAG and Pitura Seeds are going to be able to bring to the farmers in the area," Greaves says.

"That's just the tip of the iceberg, really. There are lots of exciting things to come."

NSC Holland RR2X

- Top yield potential in its maturity class
- Aggressive bean that works in all environments, soil types, and row widths
- Excellent white mould tolerance
- Very strong emergence and standability



"In the short growing season of 2022, NSC Holland will be a top yielder in it's heat unit class"
 – Laird Lampertz

Plant Characteristics

Maturity 00.4 **Heat Units** 2400 CHU
Plant Height Medium-Tall



Soybean Varieties - Agronomic & Disease Data

VARIETY	RM	CHU	IDC	PHYTOPHTHORA	SCN	PLANTTYPE	PLANT HEIGHT	ROW SPACING
NCS Arden RR2X	00.1	2325	Tolerant	Rps1c	No	Semi-Bush	Medium	<20"
NSC Watson RR2Y	000.8	2250	Semi-Tolerant	Rps6	No	Slender	Medium-Tall	<15"
NSC Holland RR2X	00.4	2400	Semi-Tolerant	Rps1c	No	Semi-Bush	Medium-Tall	12-24"
NSC Cartier RR2X	00.6	2450	Semi-Tolerant	Rps3a	No	Semi-Bush	Medium-Tall	12-24"
NSC Sperling RR2Y	00.6	2450	Tolerant	Rps1a, 3a	No	Semi-Bush	Medium-Tall	12-24"
Mozart	00.7	2475	N/A	N/A	N/A	Semi-Bush	Medium	6-15"
NSC Winkler RR2X	00.8	2500	Semi-Tolerant	Rps1c	Yes	Bush	Tall	15-30"

NSC Winkler RR2X

- Exceptional yield
- Tall, bushy plant very well suited to wide row spacing
- Solid disease package and good IDC rating
- Soybean cyst nematode resistant

Plant Characteristics

Maturity 00.8 Heat Units 2500 CHU
 Plant Height Tall



	PUBESENCE	HILUM COLOUR	EMERGENCE	STANDABILITY	STRESS TOLERANCE	ADAPTABILITY	WHITE MOULD	PRR FIELD TOLERANCE	PRR FIELD TOLERANCE
	Tawny	Black	9	8		9	8		
	Tawny	Imperfect Yellow	8	10	8	9	8	9	9
	Light Tawny	Brown	9	8	9	10	8	7	7
	Light Tawny	Black	9	9	8	9	8	8	8
	Light Tawny	Imperfect Yellow	8	8	9	9	8	9	8
	Grey	Yellow	8	8	8	9	9	N/A	8
	Light Tawny	Black	9	9	8	8	7	8	8

NS 271 **NEW**

NorthStar
Genetics



- Strong yield for early hybrid
- Very good test weight with fast drydown
- Excellent early vigour
- Strong stalks

Relative Maturity 71 Heat Units 2050 CHU
Plant Height Medium

Plant Characteristics



Corn Varieties - Agronomic & Disease Data

VARIETY NAME	RM	CHU	Type	PLANT HEIGHT	EMERGENCE	SEEDLING VIGOUR	EAR TYPE
PRIDE SEEDS							
A3979 G2 RIB	72	2025 CHU	Grain	Medium	6	8	Fixed
A3993 G2 RIB	72	2025 CHU	Grain/Grazing	Medium	9	9	Fixed
A4323 G2 RIB	75	2200 CHU	Grain	Medium-Tall	8	8	Fixed
AS1027RR EDF	78-81	2250-2425 CHU	Silage	Very Tall	6	6	Semi-Flex
AS1047RR EDF	78-81	2275-2450 CHU	Silage	Very Tall	8	9	Flex
A4646 G2 RIB	79	2300 CHU	Grain	Tall	8	8	Semi-Flex
A4939 G2 RIB	81	2400 CHU	Grain/Silage	Medium-Tall	8	8	Semi-Flex
MAIZEX SEEDS							
MS 8022R	75	2250 CHU	Silage	Very Tall		9	
MZ 1544 DBR	75	2250 CHU	Grain	Short-Medium		9	
MZ 1688DBR	76	2300 CHU	Grain/Silage	Tall	8	9	Determinate
E49K32 R	79	2300 CHU	Grain	Medium		8	
MS 8270R	82	2450 CHU	Silage	Medium-Tall		9	
MS 8632R	86	2550 CHU	Silage	Medium-Tall		9	
LFG 8755R	91	2750 CHU	Silage	Tall		8	
NORTHSTAR GENETICS							
NS 271	71	2050 CHU	Grain	Medium-Tall		9	Semi-Flex
910S	73	2050-2150 CHU	Silage	Medium-Tall		8	Flex
913S	75	2100-2200 CHU	Silage	Medium-Tall		8	Flex
NS 273	73	2125 CHU	Grain	Medium		9	Determinate
917S	77	2150-2250 CHU	Silage	Medium-Tall		8	Flex
932S	89	2300-2400 CHU	Silage	Tall		9	Flex
928S	86	2300-2400 CHU	Silage	Tall		9	Flex
NS 283 NEW	83	2425 CHU	Grain	Medium	9	9	Semi-flex
255	83	2425 CHU	Grain	Medium-Short		9	Determinate
961S	95	2450-2550 CHU	Silage	Very Tall		8	Flex

Rating Scale - 1-2 Poor, 3-4 Fair, 5-6 Good, 7-8 Very Good, 9-10 Excellent

A3979 G2 RIB



- Excellent yield potential for the very early maturity zone
- Very good emergence and rapid seedling vigour
- Rapid to finish and kernel drydown
- Very good standability throughout the harvest season
- Very stable hybrid across multiple environments and soil types

Plant Characteristics



Relative Maturity 70 Heat Units 2025 CHU
 Plant Height Medium

	STALK STRENGTH	ROOT RATING	STAYGREEN	TEST WEIGHT	DRYDOWN	STARCH DIGEST	GOSS' WILT	NORTHERN LEAF BLIGHT
	8	9	6	8	9		6	
	9	9	8	9	8		4	
	8	9	6	8	9		8	
	6	9	9			6	4	
	9	8	9			6	8	
	9	9	8	8	9		8	
	8	9	6	8	8		8	
						8		
	9			8	8			
	9			8	8		8	8
	9			9	8		8	8
			8			8		
						8		
						9		
	9	8	8	8	8		8	8
	9					9	8	
	9	9	8			9	8	6
	8	8	6	9	8		8	4
	7	6	6			8	6	6
	9	8	8			10	8	6
	9	8	8			10	8	6
	8	8	6	8	8		8	6
	9	9	8	9	9		6	8
	9	8	8			10	8	6

AAC Douglas



- White hulled milling oat with high levels of beta glucan, high grain potential, and excellent groat percentage
- Strong disease package
- Medium height and good lodging resistance

“A taller oat variety that stood well all season long & looked fantastic all the way to harvest.”

- Calvin Pitura

Oats and Barley Varieties - Agronomic & Disease Data

VARIETY NAME	KIND	YIELD	MATURITY	HEIGHT	LODGING	FHB	STEM RUST	LOOSE SMUT	NET BLOTCH
BARLEY									
AAC Connect	Two-Row Malting	106 bu/ac 2020 MCVET data	Medium (88 days)	Short	Good	MR	MR	S	MR
OATS									
AAC Douglas	Milling	158 bu/ac 2021 MCVET data	Early (94 days)	Medium	Good	I	MR	I	R
AC Summit	Milling	146 bu/ac 2021 MCVET data	Medium (96 days)	Short	Good	I	I	I	R
CDC Arborg	Milling	154 bu/ac 2021 MCVET data	Early (94 days)	Medium	Excellent	S	I	-	R
CS Camden	Milling	158 bu/ac 2021 MCVET data	Medium (98 days)	Short	Very Good	S	MS	-	I





Pitura Seeds Can Help You Access Grants For Nitrogen Management Practices

You don't often see a seed company enter the realm of consulting, but Pitura Seeds isn't just any seed company.

Staff have recently started helping customers wade through the business of nitrogen management. Pitura Seeds Sales Manager & Senior Agronomist Laird Lampertz helps growers apply for grants to access funding under the Manitoba's Prairie Watersheds Climate Program (administered by the Manitoba Association of Watersheds) and also the Canola Council of Canada.

Both are delivery partners for Agriculture and Agri-Food Canada's On-Farm Climate Action Fund (OFCAF), a cost-share funding program that supports farmers in adopting best management practices that reduce greenhouse gas emissions and store carbon, especially for in-field nitrogen management.

OFCAF is a \$200 million, three-year initiative (from 2021 to 2024) which funds 12 different programs across the country to support farmers in climate-smart initiatives like nitrogen management, specifically agronomic services to develop farm-specific nutrient management plans, equipment modifications for fertilizer application in fields, and soil sampling and analysis.

Lampertz and the agronomy team at Pitura Seeds felt they could be an important asset to their customers in applying for the grant money.

"It's a hot topic with our customers and it's something we're working hard to be experts on, to educate ourselves on, to understand how it's going to affect our operations and our customers' operations," he says.

"There's still a lot to be learned about what the actual long-term outcomes are going to be. In the short term, there's a lot of practices we're doing on our farm right now, and our customers

are doing, that are going a long way in terms of efficient management of nitrogen. That said, I think there's still a lot of learning to be done by us and our customers and this is a great thing to be able to help them with."

Lampertz says applying for grants can be a complex, slow process, and Pitura Seeds is here to help.

"We want to make sure our growers can capitalize on the funding that's out there. There's a process behind filling out the applications, and we're here to assist them in wading through that. We'll set up a time to consult, to sit down with them to learn more about their nitrogen management strategies or figure out what new strategies can be implemented, as well as complete the application process and ensure they have the needed professional agrologist sign-off as well, which includes the 4R Nutrient Stewardship designation."

Pitura Seeds will work with a grower to come up with the best plan that's suited to their farm and their situation, because every farm is at a different level of nitrogen management, he says. Farmers often have questions about whether they qualify, or what they can do to qualify and how much implementation of new best management practices might cost.

Lampertz and staff also have thorough knowledge of how seed selection and crop rotations can aid in nitrogen use management. For example, including legumes in their rotation can be a big help in decreasing the need for fertilizer, as legumes help in nitrogen fixation.

"Understanding how legumes like pea and soybean can fit in your rotation from an economic standpoint, and selecting the right variety for the right field, can be an important part of managing nitrogen use on-farm," Lampertz adds.

"Quite frankly, growers often don't have the time to figure these things out by themselves. With the experience we have in this, we can help them figure it out and take advantage of these programs for their benefit and the benefit of the environment."

For more info email Lampertz at laird@pituraseeds.ca.

How Does Improving Nitrogen Management Benefit Farmers and Climate Change?

Nitrogen management strategies ensure optimum productivity, reduce nitrogen losses, reduce greenhouse gas emissions and enhance economic profitability and environmental quality. Farmers in Manitoba make key decisions on formulation, rate, timing, and placement of fertilizer nitrogen that are suitable for soils, climate change, and farming operations within which they operate.

—*Prairie Watersheds Climate Program*

What Nitrogen Management Activities are Eligible under OFCAF Programs?

- Use of nitrification and urease inhibitors
- Agronomic support for nitrogen management plans
- Soil testing/mapping
- Adding legumes to crop rotation
- Upgrading seeder equipment to allow for banding, side dressing and injection of fertilizer
- Split application of fertilizer to improve nitrogen use
- Upgrading manure injection and incorporation equipment
- Offsetting higher cost of synthetic fertilizer substitutes (manure, compost, digestates)

—*Prairie Watersheds Climate Program*



AAC Hockley is the next generation in genetic potential offering consistent high yields and improved grain protein. A semi-dwarf variety offering industry-leading standability, it can stand up to an intensive fertilizer management plan. Dr. Richard Cuthbert calls AAC Hockley his AAC Brandon replacement. Available Fall 2022.

- Consistently high yields
- Industry-leading standability
- Short semi-dwarf
- Good protein
- 'MR' or better for all P1 diseases
- Strong FHB resistance, low DON accumulation

Wheat Varieties - Agronomic & Disease Data

VARIETY NAME	CLASS	YIELD	MATURITY	PROTEIN	HEIGHT
AAC Hodge VB	CWRS	76 bu/ac in 2021 MCVET data	Medium (101 days)	14.10%	Medium-Tall
AAC Hockley	CWRS	71 bu/ac in 2021 MCVET data	Medium (101 days)	14.40%	Semi-Dwarf
AAC Brandon	CWRS	71 bu/ac in 2021 MCVET data	Medium (101 days)	14.30%	Medium
AAC Starbuck VB	CWRS	74 bu/ac in 2021 MCVET data	Medium (100 days)	14.60%	Short
Faller	CNHR	83 bu/ac in 2021 MCVET data	Medium (100 days)	12.90%	Short
SY Rowyn	CPSR	75 bu/ac in 2021 MCVET data	Medium (100 days)	13.50%	Semi-Dwarf



AAC Hodge VB



AAC Hodge VB is a new midge tolerant CWRS that will set new yield expectations for the Western Canadian grower. This variety is the highest yielding CWRS registered to date. Extremely strong standability and an exceptional disease package. Available Fall 2022.

- Highest yielding CWRS registered
- Top-in-class standability
- Excellent disease package: MR for FHB and R to all other priority one diseases
- Wheat midge tolerant

“AAC Hodge VB has the strongest standability for all VB wheats & the best MR resistance to any spring wheat”

– Laird Lampertz

	LODGING	FHB	COMMON BUNT	STEM RUST	LEAF RUST	STRIPE RUST	LOOSE SMUT
	Very Good	MR	R	R	R	R	R
	Very Good	MR	R	MR	R	R	R
	Very Good	MR	S	R	R	MR	R
	Good	MR	S	I	MR	MR	MR
	Good	I	I	I	MR	MS	MR
	Very Good	MR	S	R	R	MR	I





To a Family Business, Community is Everything

Ag in the Classroom, charities and community sports are the lifeblood of our region. That's why we work hard to ensure they get the support they need.

A big part of what we believe in at Pitura Seeds is the people around us. Farmers are the backbone of their communities, and we're a family business at the end of the day. Ensuring the health of our community is vital to us.

That's why we make a special effort to help fund worthwhile causes across Manitoba, a big one being Agriculture in the Classroom – Manitoba (AITC-M). It's an organization that has always been important for us. For 2022 we were pleased to be a gold sponsor for the AITC-M seed kits, which teach students about the different crops grown in Manitoba and what they look like.

The kits, distributed to elementary schools across Manitoba, feature seeds from 15 prominent Manitoba crops, as well as a video and a variety of hands-on activities for students to do in the classroom.

AITC-M is an organization we've believed in for a long time and being able to donate seed for the kits was a fantastic opportunity; the kits are distributed to elementary schools across Manitoba. Our staff are also happy to volunteer their time to the organization.

We also make special effort to help older students entering the world of agriculture with the Community Leadership In Agriculture Scholarship, which helps a deserving individual further their education in the field of ag. This scholarship awards \$1,000 to a student enrolled in agriculture at a university or college.

Our 2022 recipient was Christel Boekhorst. She works on the family farm in Brunkild and will be enrolled in the University of Manitoba Faculty of Science this fall. We are excited to watch her grow as a leader in our agriculture community. Watch our website for news on 2023 scholarship applications!

Our community involvement also extends into the realm of sports. We have multiple different hockey teams, curling teams, baseball teams and tournaments that we've contributed to. As someone who played sports myself as a child, I know what value they bring to young people. Sports teach you to play as part of a team, a skill that helps you throughout your life and helps you become a community-minded individual. Some of these kids even become great farmers.

Sports can also be expensive for families, so we're happy to do anything we can to ease that burden by supporting small-town rinks, ball diamonds and curling clubs.

Finally, we want to ensure maximum impact in Manitoba by supporting a variety of charitable causes. Our employees all have causes that are important to them, so we encourage them to bring forward ideas for charitable donations we can make as a company.

There are about 17 communities that our staff are collectively a part of. That encompasses a big part of the province. Making charitable donations are a way our staff and we as a company can further extend our community reach.

As part of our charitable involvement, we donated seed to three Community Grow projects, where communities literally grow and harvest a crop, with proceeds from the sale of the crop going to a community cause. We were happy to donate seed to St. Eustache Minor Hockey to support local rink repairs; ChipIn Glenlea, who donated proceeds of their grain sales to the Canadian Foodgrains Bank; and Woodlands Childcare, who used the proceeds to help fund the Warren Expansion Project.

If you are involved in or know of a community cause that you feel could use the help of Pitura Seeds, please don't hesitate to approach us. We're



The Agriculture in the Classroom Manitoba educational seed kits are sent to elementary schools across Manitoba.



Agriculture in the Classroom – Manitoba helps educate young schoolchildren across the province about agriculture, including seed. Photo: AITC-M

Pitura Seeds is Helping Make a Difference in Manitoba

A few important charitable/community sports organizations Pitura Seeds contributed to in 2021/22 were:

- Agriculture in the Classroom
- CancerCare Manitoba
- Children's Hospital Foundation
- Movember Canada
- STARS Air Ambulance
- Brunkild Recreation Centre
- Pembina Valley Twisters Bantam AA Minor Hockey
- Main Street Project
- Domain Community Hall
- Never Alone Foundation
- Harvest Manitoba
- The Kelly Kabernick Foundation
- The United Way
- Mercy Ships – Medical Support
- Rusalka Ukrainian Dance Ensemble
- 1JustCity
- Canadian Red Cross
- Chance to Play Foundation
- Arborg Ice Dwags
- La Salle Curling Club

happy to bring your idea forward and see what we can do to assist as we continue to work to improve our community both locally and province wide.

KWS Receptor Hybrid Rye



KWS Receptor has achieved consistent, top yields year after year in Western Canada Registration Trials. With good ergot protection from PollenPlus™ technology combined with excellent falling numbers and very short straw, KWS Receptor will be the top choice for rye growers.

- Top-in-class winter hardiness
- Short straw, excellent harvestability
- Strong ergot protection
- Superior falling numbers

AAC Vortex Winter Wheat



AAC Vortex delivers the power of high grain yield, excellent winter hardiness, short strong straw with medium maturity and excellent disease resistance and grain protein.

- Increased protein over the highest yielding check varieties
- Excellent winter survival, better than all checks
- Shorter than AAC Emerson with excellent lodging resistance
- Excellent disease package with R ratings for Leaf Rust, Stem Rust, and Stripe Rust and MR for FHB

Winter Wheat Varieties - Agronomic & Disease Data

VARIETY	CLASS	YIELD	MATURITY	RELATIVE WINTER HARDINESS	HEIGHT	LODGING	FHB	LEAF RUST	STEM RUST	STRIPE RUST	COMMON BUNT
AC Emerson	CWRWW	82 bu/ac in 2021 MCVET data	Medium	Good	Medium	Good	R	I	R	MR	S
AAC Wildfire	CWRWW	88 bu/ac in 2021 MCVET data	Long	Very Good	Medium	Very Good	MR	I	S	R	MR
AAC Vortex	CWRWW	85 bu/ac in 2021 MCVET data	Medium	Very Good	Medium	Good	MR	R	R	R	S

Lodging: scale of 1-9; 1 is best. Source: Fall Rye Co-operative Registration Trial 2015-16 Report, Request for Support for Registration of RT 227 (KWS Gatano)

Rye Varieties - Agronomic & Disease Data

VARIETY	YIELD (BU/AC)	PROTIEN %	TEST WEIGHT (KG/HL)	TKW (g)	Height (cm)	Lodging	RELATIVE WINTER HARDINESS	ERGOT (%)	FALLING NUMBER
KWS Trebiano	116	11.4	74	33.8	101	Very Good	Very Good	MS	152
KWS Bono	110	11.2	74.2	30.9	96	Very Good	Very Good	MS	265
AC Hazlet	96	12.2	75.1	35.2	107	Good	Very Good	MS	284
KWS Progas (Forage Type)	Very High	High Crude Protein				Good			
KWS Receptor	104% of average hybrid rye varieties	10.5	74		Very Good	Excellent	Short (84 cm)	MS	313

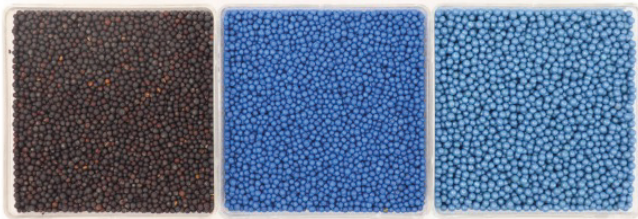
Lodging: scale of 1-9; 1 is best. Source: Fall Rye Co-operative Registration Trial 2015-16 Report, Request for Support for Registration of RT 227 (KWS Gatano)

Pelta



Pelta™ seed pelleting technology helps take some of the uncertainty out of growing canola by making seed more uniform in size. Uniform canola seed enables better singulation planter performance and more accurate seed placement for greater seed survivability and even stand establishment.

- Pelta technology is offered through Canterra Seeds canola varieties
- All canola ordered with Pelta is treated with fungicidal & insecticidal seed treatment to optimize every seed's genetics



Untreated canola seed

Industry-standard treatment

Pelta and industry-standard treatment



Canola Agronomic & Disease Data

VARIETY	MATURITY	HEIGHT	LOGGING	BLACKLEG RATING	CLUBROOT RATING	STRAIGHT CUT
CANTERRA SEEDS						
CS2800 CL <i>NEW</i>	Full	Medium-Tall	Very Good	R-AFG	R (1st and 2nd Generation Resistance)	No
CS3100 TF <i>NEW</i>	Full	Medium-Tall	Very Good	R-ADE2	R (1st and 2nd Generation Resistance)	Yes
CS4000 LL	Mid	Medium-Tall	Very Good	R	Resistant to pathotypes 2F, 3H, 5I, 6M & 8N.	Yes
CS2700 CL	Mid	Medium	Very Good	R-C	Gen2	No
CS2600 CR-T	Early-Mid	Medium	Very Good	R-C	Resistance to pathotypes 2, 3, 5, 6, 8 + 2B & 5X	Yes
CS2100	Mid-Full	Medium	Very Good	R-ACG	-	Yes
BRETTYOUNG						
BY 5125 CL	+0.4 days	42"	Excellent	R-CE1	R (1st Generation Resistance)	No
BY6204TF	+0.1 days	-	Excellent	R-CE1	Resistance to pathotypes 2, 3, 5, 6, & 8	No
6090RR	+1.5 days	-	Excellent	R-CE1	R (1st Generation Resistance)	Yes



High Protein Means Big Opportunities for Pea, Non-GMO Canola Growers

Pitura Seeds is entering its fourth year of production contracts with Merit Functional Foods, and growers are poised to reap some major benefits.

Having finished its third year of production contracts for Merit Functional Foods, Merit's 2023 contracts have already been announced. The success of Pitura's work with Merit for production of high protein pea and canola varieties is helping give birth to a new industry that is poised for further growth as consumers demand more plant-based protein options and growers get paid a premium for growing certain varieties of yellow pea.

"Merit is really learning a lot about the quality of the peas and canola that they're receiving into their facility and turning into food grade product. They're also collecting feedback from their buyers, and there are now some preferred varieties for farmers to pay attention to if they're looking to get paid a premium for growing select varieties that have a high protein potential," says Laird Lampertz, sales manager and senior agronomist at Pitura Seeds.

"High protein pea varieties equate to a strong yield of protein after the fractionation process takes place. Plant breeders in the industry are paying attention to this as they focus more on protein development."

The three yellow pea varieties that Merit is now contracting for are AAC Profit (highest yielding high-protein yellow pea in the black soil zone), AAC Delhi (high protein content with medium fusarium wilt rating) and CDC Lewochko (semi-leafless field pea with medium vine

length, great lodging resistance and powdery mildew resistance).

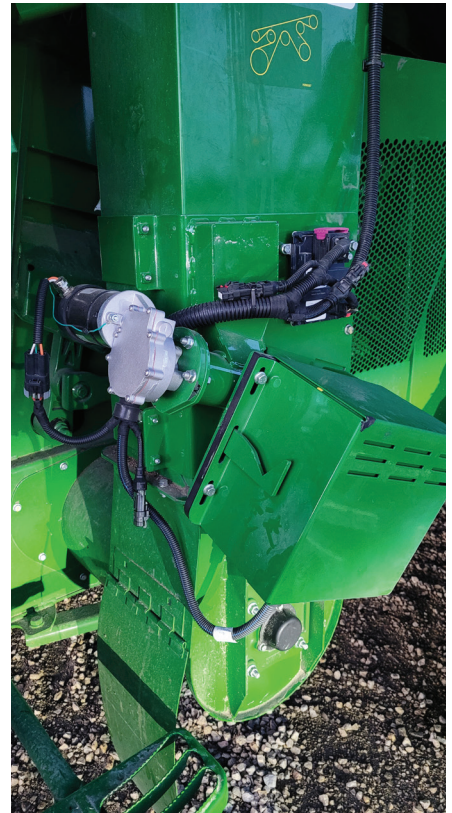
But this is only the beginning in terms of what's possible with high protein pea varieties, Lampertz says.

"Combined with all the other agronomic advantages that new varieties have such as yield and disease package, we're going to see the protein begin to steadily increase in peas. As it does, those new varieties coming out are going to become the preferred varieties because that's exactly what processors are looking for," he says.

Add to that some exciting technology that Pitura Seed staff are utilizing, and you have a recipe for success in the field. Pitura Seeds is implementing new protein mapping technology that uses the Harvest Lab 3000 near-infrared spectrum camera, which is mounted on the clean grain elevator of a combine. The technology provides key insights into what conditions in the environment result in strong protein in pea and canola.

"The camera gives us a live map of protein in the grain that the combine is harvesting. As the combine goes up and down the field, it uses near infrared technology to sense the protein differences within that grain," Lampertz says.

As a result, Pitura Seeds will now be able to map the protein differentiation seen within one



The Harvest Lab 3000 near-infrared camera is mounted on the clean grain elevator of the combine and senses protein differences within grain.

variety within a field and correlate that against yield, moisture and many other factors to better understand what conditions in the field are conducive to high protein.

"We can take that forward and share it with our customers, which bolsters their success in producing high protein varieties."

For info on 2023 yellow pea contracts, you can visit the Merit Functional Foods grower contracting site at growerpricing.meritfoods.com

Peas/Forage and Turf Grass

CDC Lewochko



CDC Lewochko is a mid-maturing yellow cotyledon, semi-leafless field pea with medium vine length, great lodging resistance and powdery mildew resistance.

- Good lodging resistance; similar to CDC Spectrum and CDC Amarillo, better than CDC Inca or CDC Meadow
- Medium-long vine length, taller than CDC Amarillo
- Powdery mildew resistance
- Improved seed characteristic package
- Preferred variety on Merit Functional Foods contract



Pea Varieties - Agronomic & Disease Data

VARIETY NAME	YIELD	MATURITY	RELATIVE VINE LENGTH	LODGING	SEED COAT BREAKAGE	POWDERY MILDEW	FUSARIUM WILT	MYCOSPHAERELLA BLIGHT	MERIT FOODS PREFERRED
AAC Chrome	109% of CDC Amarillo	Long	Medium	Good	Good	Very Good	F	F	
AAC Carver	104% of CDC Amarillo	Early	Long	Good	Good	Very Good	F	F	
CDC Lewochko	103% of CDC Amarillo	Mid	Long	Very Good	Good	Very Good	F	F	Yes
AAC Delhi	103% of CDC Amarillo	Mid	Medium	Good	Fair	Very Good	F	F	Yes
AAC Profit	102% of CDC Amarillo	Long	Medium	Good	Fair	Very Good	F	F	Yes

Forage and Turf Grass

Talk to us about forage seed, blends, turf and grass seed blends we have available.



Seed Treatments

At Pitura Seeds we offer the following seed treatments.

PULSES

AGTIV Soybeans



Vayantis IV



Vibrance Maxx RFC



EverGol Energy



EverGol Energy with Stress Shield



Flo Rite



Lumisena



PEAS

AGTIV Pulse



Vibrance Maxx



CEREALS

Cruiser Vibrance Quattro



Vibrance Quattro



Insure Cereals



Raxil PRO



Raxil ProShield



INOCULANTS

Cell Tech NS Pea Peat



Cell Tech Soybean Granular



Fluency Agent



Lalfix Duo



Nodulator Liquid



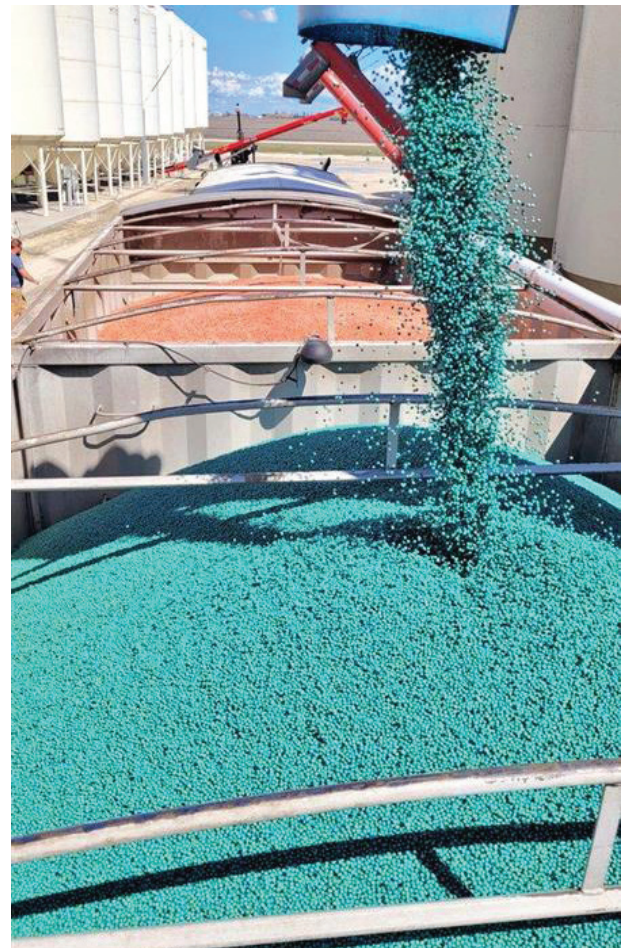
Nodulator XL SCG



Optimize LV



Premier Tech





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