Pitura SEEDS

SEED GUIDE 2022

PituraSeeds.ca

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Welcome

Welcome to our 2022 Seed Guide! This has been a year like none other, and I want to personally say how much we appreciate our customers' and partners' support over the past year.

This was a big year for our family farm – we celebrated 100 years! We were happy to celebrate this milestone with Carl Pitura (second generation) along with his 96th birthday.

Over the past year, we have been looking for additional ways to support and add value for our customers. In 2021, we have added new team members to our finance and agronomy teams. Our most recent staff member to join Pitura Seeds is Katie Meggison. Katie brings a strong agronomic background to help support your decisions in the field.

I am also excited to share the news that we now offer an online ordering platform with Agro.Club. This will allow you to interact with us online or in person, whatever works best for your operation. Our goal is to serve you better as this crazy world changes around us.

Most of all, we want to say THANK YOU. We value all the relationships that have been built over the years and we look forward to serving you again in 2022.

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.

Services

SEED PROCESSING

In 2019 we 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:

- 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 Gentics for:

- Yellow peas
- Organic 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

Our Partners

Team

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 Technician

Kyle Syreene
Production Assistant

Chad Toews
Shop Foreman

Cory Bartmanovich
Production Assistant

Paul Janzen
Production Assistant

Kevin Scallan
Production Foreman

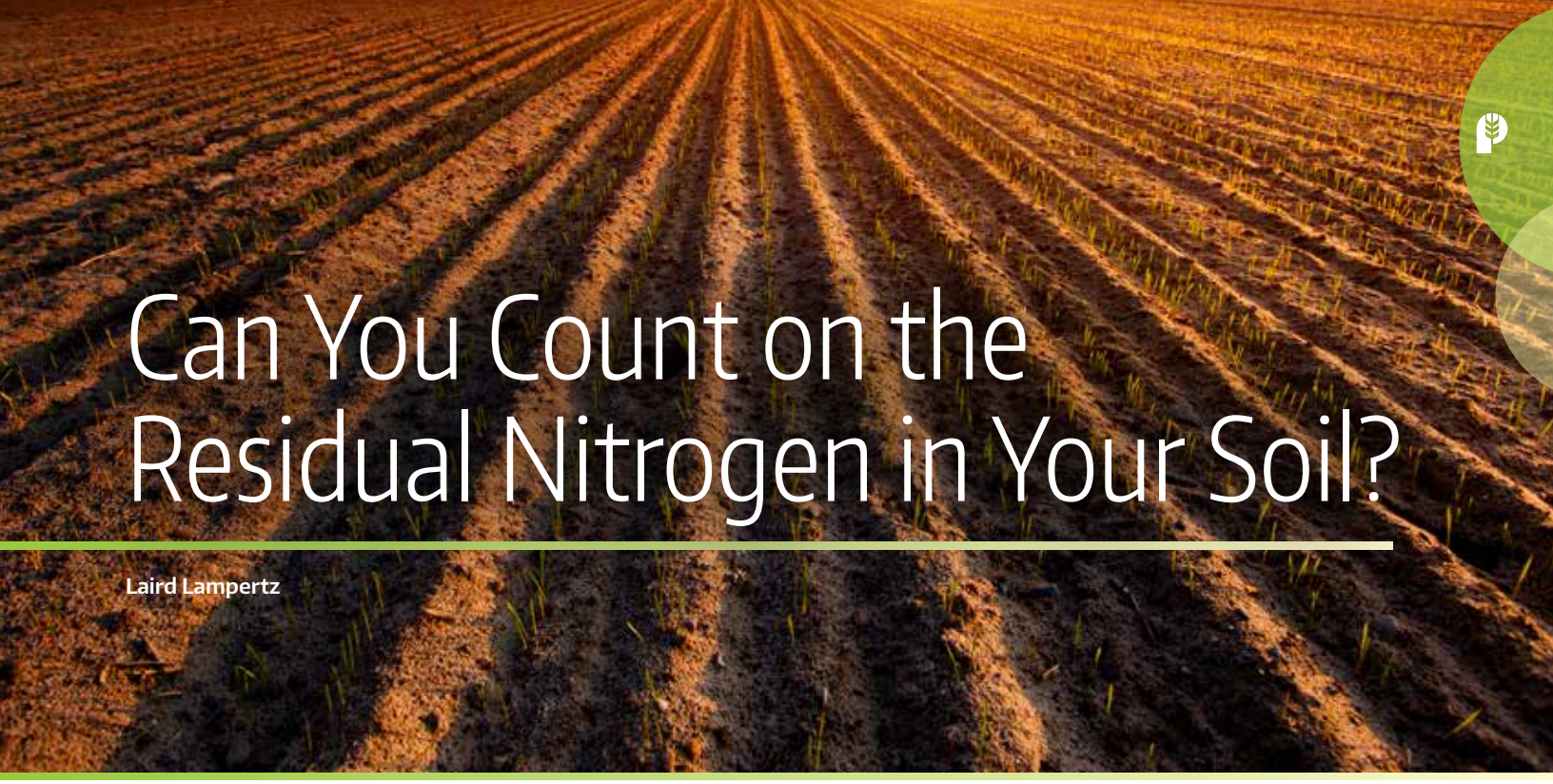
William Bunkowsky
Production Manager

Dennis Pasieczka

Jaime Dobrowolski
Office Admin

Melissa Jones
Office/Finance Administrator

Kyle Peters
Controller



Can You Count on the Residual Nitrogen in Your Soil?

Laird Lampertz

Due to the drought conditions experienced in Western Canada in 2021, residual soil nitrogen is probably going to be an issue for many farmers. The importance of soil sampling is paramount, so you can know how much available nitrogen is in the soil for next year. Can you count on enough available nitrogen being there, or do you need to apply extra synthetic nitrogen to ensure optimal yield in 2022?

Knowing what's in your field is crucial to answering this question. The price of fertilizer is currently very high. Knowing how much nitrogen is in your soil and available to the plants will save you money on a year like this – potentially up to $100 an acre.

But, as is often the case in farming, it's not that simple. Take this scenario we had on our farm in the fall of 2018 as an example.

The growing season of 2018 had some similarities to the growing season of 2021. We had low cereal yields and low canola yields, and because of that, our crops didn't pull all the nitrogen out of the soil. Rather, they pulled nitrogen from deeper within the soil profile. We had fields that were high in soil test nitrogen reading anywhere from 100 to 150 pounds of available nitrogen.

We conducted a trial the following year to evaluate whether that nitrogen was still there. We took soil samples of specific locations in the field multiple times in the fall and multiple times the next year to evaluate if the residual nitrogen was always there and available to the crop.

That nitrogen was indeed there, but here, as they say, is the rub: we also applied some synthetic nitrogen as a baseline even though we knew nitrogen levels were high, and we still had a positive yield response where we applied the synthetic nitrogen.

The take-home message is this: utilize the nitrogen that is there in the soil, but don't rely on it 100 per cent. Why, you ask?

A tricky phenomenon can occur in dry areas, as reported by Don Flaten, a soil scientist at the University of Manitoba: high nitrate levels show up randomly in drier-than-normal areas. For this to occur, you generally need 5.5% or greater organic matter, high clay content, and less than normal annual rainfall.

Flaten's theory is that a small population of microrganisms that survive in dry clay soils consume the dead tissue of their former neighbours and release large amounts of available nitrogen in the process. However, when the soil receives more moisture, this nitrogen could be re-immobilized, meaning those high soil nitrogen levels will not persist.

Long story short, just because you may have high levels of residual nitrogen now, does not mean those levels will persist into 2022. You should carefully consider this when making fertilizer decisions for next year. Believe the soil results but be cautious by using spring soil or tissue sampling to make sure your crop has what it needs right up to the bin.

Soybeans

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

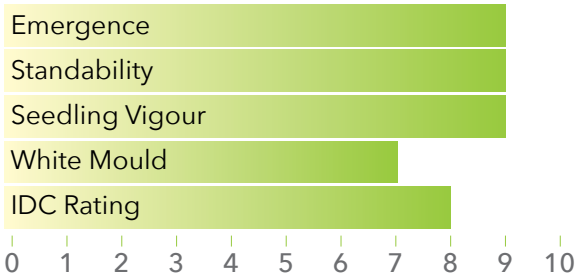
NorthStar Genetics

ROUNDUP READY 2 XTEND SOYBEANS

"Earliest to close 20" rows on Pitura's farm in 2021."
– 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	PLANT TYPE	PLANT HEIGHT	ROW SPACING	
NSC Dauphin RR2X	000.8	2250	Semi-Tolerant	Rps1c	No	Slender	Medium-Tall	<15"	
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 Aubigny RR2X	00.9	2525	Tolerant	Rps1k	Yes	Bush	Medium-Tall	15-30"	

Mozart

- The perfect strain for northern climates
- Excellent performance
- Non GMO, conventional variety
- Variety suitable for 6 to 15 inch rows

Plant Characteristics

Maturity	00.7
Heat Units	2475
Plant Height	73 cm
Flower Colour:	Purple
Hilum:	Yellow
Lodging Tolerance:	Average
White Mould Tolerance:	Very Good

Pitura Seeds now has IP contracts available for non-GMO soybeans through Northstar Genetics.

- Contract premiums
- Local Delivery

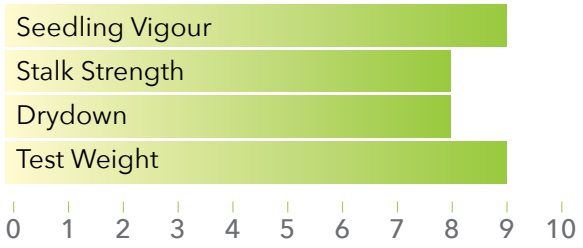
Call today for more details

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

Corn

NS 273

- Early hybrid with excellent test weight
- Very good yields under medium to high populations
- Very good seedling vigour
- Makes for a good dual purpose hybrid



Plant Characteristics

Relative Maturity 73 **Heat Units** 2125
Plant Height Medium

Corn Varieties – Agronomic & Disease Data

VARIETY NAME	RM	CHU	Type	PLANT HEIGHT	EMERGENCE	SEEDLING VIGOUR	EAR TYPE	
PRIDE SEEDS								
A4323 G2 RIB		2200 CHU	Grain	Medium-Tall	Very Good	Very Good	Fixed	
A3993 G2 RIB	72	2025 CHU	Grain/Grazing	Medium	Excellent	Excellent	Fixed	
A4646 G2 RIB	79	2300 CHU	Grain	Tall	Very Good			
A4939 G2 RIB	81	2400 CHU	Grain/Silage	Medium-Tall	Very Good			
AS1027RR EDF		2250-2425 CHU	Silage	Very Tall	Good	Good	Semi-Flex	
AS1047RR EDF		2275-2450 CHU	Silage	Very Tall	Very Good			
MAIZEX SEEDS								
MZ 1688DBR	76	2300 CHU	Grain/Silage	Tall	Very Good	9	Determinate	
MZ 1624DBR	76	2300 CHU	Grain	Tall		9		
E49K32 R	79	2300 CHU	Grain	Medium		8		
E52V92 R	82	2450 CHU	Grain	Medium-Tall		8		
PICKSEED								
PS 2210VT2P RIB	76	2175 CHU	Grain	Tall	Very Good			
PS 2444VT2P RIB	78	2300 CHU	Grain/Silage	Medium-Tall	Very Good			
NORTHSTAR GENETICS								
NS 271	71	2050	Grain	Medium-Tall		9	Semi-Flex	
NS 273	73	2125	Grain	Medium		9	Determinate	
178	75	2175	Grain	Medium		8	Determinate	
910S	73	2050-2150 CHU	Silage	Medium-Tall		8	Flex	
913S	75	2100-2200 CHU	Silage	Medium-Tall		8	Flex	
917S	77	2150-2250 CHU	Silage	Medium-Tall		8	Flex	
932S	89	2300-2400 CHU	Silage	Tall		9	Flex	
191	80	2325 CHU	Grain	Medium		8	Semi-Determinate	
255	83	2425 CHU	Grain	Medium-Short		9	Determinate	
266	84	2475 CHU	Grain	Medium		7	Flex	

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

A4323 G2 RIB

- Ideal as grain hybrid with very rapid drydown
- A medium/tall statured plant featuring consistent ear size and plant stature
- Good ear girth and length with excellent consistency in different environments

Plant Characteristics

Use	Grain
Plant Height	Medium-Tall
Early Vigour	Very Good
Drydown	Excellent
Staygreen	Good

Heat Units 2200

	STALK STRENTH	ROOT RATING	STAYGREEN	TEST WEIGHT	DRYDOWN	STARCH DIGEST	GOSS' WILT	NORTHERN LEAF BLIGHT
	Very Good	Excellent	Good	Very Good	Excellent		Very Good	
	Excellent	Excellent	Very Good	Excellent	Very Good		Fair	
	Excellent	Excellent	Very Good					
	Very Good	Excellent	Good					
	Good	Excellent	Excellent				Fair	
	Excellent	Very Good	Excellent					
	9				8		8	8
	9			8	8			
	9			9				
	9			9				
	Excellent	Very Good	Good					
	Very Good	Very Good	Very Good					
	9	Very Good	Very Good	8	8		Good	Very Good
	8	Very Good	Good	9	8		Very Good	Fair
	9		9	9	9	7	7	
	9					9	8	
	9	Excellent	Very Good			9	Very Good	Good
	7	Good	Good			8	Good	Good
	9	Very Good	Very Good			10	Very Good	Good
	9	Excellent	Excellent	8	9		Very Good	Good
	9	Excellent	Very Good	9	9		Good	Very Good
	9		9	8	4	6	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

"Registration trials show it will be the earliest, and biggest bushel potential in the Manitoba Seed Guide."

- Calvin Pitura

Oats and Barley Varieties - Agronomic & Disease Data

VARIETY NAME	KIND	YIELD	MATURITY	HEIGHT	LODGING	FHB	STEM RUST	LOOSE SMUT	NET BLOTCH	SPOT BLOTCH	SCALD
BARLEY											
SY Sirish	Two-Row Malting	103 bu/ac 2020 MCVET data	Medium (89 days)	Short	Very Good	MS	S	S	MS	MS	MR
AAC Connect	Two-Row Malting	106 bu/ac 2020 MCVET data	Medium (88 days)	Short	Good	MR	MR	S	MR	MR	
OATS											
AAC Douglas	Milling	159 bu/ac 2020 MCVET data	Early (94 days)	Medium	Good	I	MR	I	R	MR	
AC Summit	Milling	148 bu/ac 2020 MCVET data	Medium (96 days)	Short	Good	I	I	I	R		
CDC Arborg	Milling	156 bu/ac 2020 MCVET data	Early (94 days)	Medium	Excellent	S	I	-	R		
CS Camden	Milling	159 bu/ac 2020 MCVET data	Medium (98 days)	Short	Very Good	S	MS	-	I		
Ore3542M	Milling	143 bu/ac 2020 MCVET data	Medium (95 days)	Short	Very Good	S	R	S	R		

Subsoiling Experiment Sees Success in its Second Year

Laird Lampertz

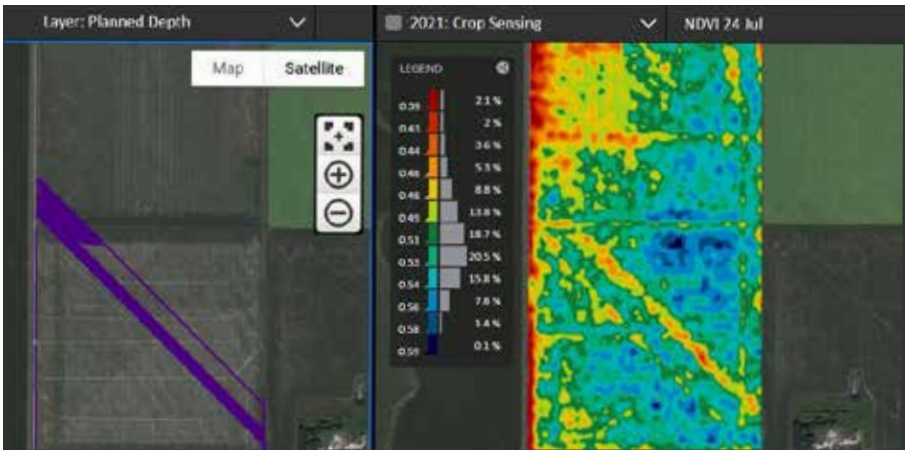
Our experiment with subsoiling continued in 2021 after a very successful initial trial the year prior, and we are happy to report positive results yet again.

First, some background. Beginning in 2017, we noticed on drier years a reduced yield potential on the headlands of our soybean fields. What was going on? The conclusion we arrived at was in heavy clay soils where compaction is highest, the plants were not accessing enough moisture.

We knew we needed to do something to get the roots to penetrate that soil surface earlier and faster in order to access more moisture in the soil profile. We decided to subsoil 300/320 acres in the fall of 2019. The 20 acres subsoiled was left in a block on an angle across the field.

In 2020, we observed the soybean roots reaching each depth (10, 20, 50, 70, 90 cm) 3-7 days earlier, 1-3 inches taller, and filled in the 20-inch row spacing 10 days sooner where we subsoiled. We also saw the crop mature more evenly and it had a lower harvest moisture. The end yield increase was more than anyone expected.

That brings us to where we are today. On that exact same field where we had an eight bushel increase in soybeans in 2020, we decided to seed Summit oats in 2021. We had yet another dry year, just like in 2020. Once again, we measured how deep those roots



went where we subsoiled versus where we did not using Crop Intelligence weather stations. Oats are a fantastic water miner, and the perfect crop to use to experiment with subsoiling.

Our NDVI imagery showed that, once again, we had more plant vegetation where we subsoiled, just like we observed in the soybeans last year. On around July 15, we realized we were going to see a yield increase yet again as a result of the subsoiling.

We ended up with a 7% yield increase in oats where we subsoiled versus where we did not, and so that equated to a six-and-a-half bushel per acre gain. Depending on the economics one uses, we can say we were significantly up in terms of return on investment in this second year of our subsoiling experiment.

When you add that up with the combined value added from last year, we're looking at as much as $120 per acre in increased revenue on that half section where we subsoiled.

It's exciting to see that a simple practice like subsoiling can ultimately have that big of an effect. It's something we never thought would be possible, because we were a little skeptical about the subsoiling idea in the beginning. Our experiment goes to show that this practice can have real benefits in certain situations.

At the time of writing this, we are also experimenting with another subsoiled field of soybeans. Stay tuned for those yield results by visiting our website pituraseeds.ca.

Yield Results in Oats from 2021 Subsoil Trial

REP 1 SUBSOIL	REP 1 UTC	REP 2 SUBSOIL	REP 2 UTC
105.6	99.7	102.9	95.7

Average 6.5 bu gain on subsoiled portions of oat field

Wheat

AAC Hockley

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	RELATIVE WINTER HARDINESS	HEIGHT	
AAC Gateway	CWRWW	82 bu/ac in 2020 MCVET data	Medium	Fair	Short	
AC Emerson	CWRWW	82 bu/ac in 2020 MCVET data	Medium	Good	Medium	
AAC Wildfire	CWRWW	88 bu/ac in 2020 MCVET data	Long	Very Good	Medium	
AAC Goldrush	CWRWW	82 bu/ac in 2020 MCVET data	Medium	Very Good	Medium	
VARIETY NAME	**CLASS**	**YIELD**	**MATURITY**	**PROTEIN**	**HEIGHT**	
AAC Brandon	CWRS	71 bu/ac in 2020 MCVET data	Medium (101 days)	14.30%	Medium	
AAC Elie	CWRS	70 bu/ac in 2020 MCVET data	Medium (101 days)	14.40%	Semi-Dwarf	
AAC Tisdale	CWRS	69 bu/ac in 2020 MCVET data	Medium (100 days)	15.20%	Medium	
AAC Viewfield	CWRS	71 bu/ac in 2020 MCVET data	Medium (102 days)	14.40%	Semi-Dwarf	
Bolles	CWRS	70 bu/ac in 2020 MCVET data	Medium	15.50%	Medium-Tall	
CS Daybreak	CWRS	75 bu/ac in 2020 MCVET data	Medium (101 days)	14.40%	Medium	
AAC Starbuck VB	CWRS	75 bu/ac in 2020 MCVET data	Medium (100 days)	14.60%	Short	
Faller	CNHR	84 bu/ac in 2020 MCVET data	Medium (100 days)	12.90%	Short	
SY Rowyn	CPSR	75 bu/ac in 2020 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 is a new midge tolerant variety to our line up that offers MR resistance to FHB."
– Laird Lampertz

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

Our New Online Ordering System Offers Another Easy Way To Do Business With Us

Tom Greaves

Pitura Seeds is proud to be the first retail partner to join a "digital ecosystem" platform which promises to help transform the way growers buy, sell and earn.

Joining the Agro.Club platform is a partnership that creates a new benefit for our farm customers. Many new tech announcements make a farmer's life more complicated. We're creating convenience by offering a new digital way for farmers to tell us what they want and need.

Pitura Seeds now has a way for farmers to order online, like all the other commercial transactions that farmers do via the internet. This shouldn't be newsworthy or remarkable, but it is because farmers don't have those options when it comes to ordering seed and services.

Agro.Club gives family-owned and operated retailers a chance to deploy digital innovations without making a significant IT upgrade. The latest and greatest tech tools aren't just for the big companies anymore.

Our friend Todd Younghans, president of Agro.Club Canada, says it best:

"The team at Pitura Seeds are determined to be leaders. They have explored our tools, discovered how they can make them work for their business and are ready to launch a new online experience that strengthens their customer relationships. We know farmers are asking for more convenience and we're excited that Pitura Seeds is the first retailer using Agro. Club to provide that to their farm customers."

The Agro.Club online platform empowers farmers by giving them access to multinational giants, independent manufacturers, trusted retailers, grain exporters and food companies. This opens up new opportunities for players of all sizes, while providing a closer relationship with farmers and platform support across the whole value chain, from seed to grain at the port.

Agro.Club Canada enables farmers to place orders online for the products of its manufacturer partners. Farmers then select their preferred retailer. Price is negotiated locally, and once a deal is reached, product is delivered and supported by the retailer of the farmer's choice.
There is no subscription or membership fee to use the Agro.Club platform.

Not only does Agro.Club level the playing field and allow a small family business like ours to play on the same stage as the big multinationals, it also allows us to better get out in front of customers and potential customers to really showcase what we do best – offering quality seed and, as noted above, making business easy and convenient to do.

Ordering inputs online is becoming more popular, and while I'm a firm believer there's no substitute for doing business face-to-face, we have to acknowledge that technology is changing the way purchases can be made. We want to be at the forefront of that and sell inputs online with convenience and integrity.

Visit www.piturаseeds.ca or agro.club/ca and search us out. We look forward to seeing you online, talking over the phone and eventually visiting in person. Relationships matter to us, and we'd love to chat with you no matter your preferred way of buying seed for your farm.

KWS Trebiano

A new high yielding hybrid fall rye with improved ergot resistance compared to other registered rye varieties. Well suited to all growing areas in Canada, KWS Trebiano shows improved lodging resistance.

- Limited quantities
- Exceptionally high yields – 132% of Hazlet
- Superior ergot resistance
- Short straw, stands well and easy to harvest
- High falling numbers for milling
- Excellent for livestock feed

KWS Bono

- Market leading yields – 131% of Hazlet
- Uniform maturity and consistent grain quality
- Higher falling numbers than conventional rye for improved milling access
- Excellent for livestock feed and ethanol
- Shorter stature, easy to harvest
- Very good lodging resistance

AC Hazlet

- Higher test weight than Prima, Dakota and AC Rifle
- 20% higher kernel weight than the check varieties Prima, Dakota and AC Rifle
- Medium plant height, similar to Dakota
- Very good lodging resistance
- Excellent winter hardiness

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			

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)

Canola

CS4000 LL

- High yielding LL canola
- Suitable for all growing zones
- Blackleg and clubroot resistance
- Strong standability
- Fortenza advanced seed treatment option
- Trialed by 12 local growers in 2021

CANTERRA SEEDS | Clearfield | LIBERTY LINK

"It's great to see companies like CANTERRA SEEDS brining strong Liberty Link Canola varieties to the market. We have really liked what we've seen from this variety at the Pitura Seed Farm"

- Steve Tapley

Canola Agronomic & Disease Data

VARIETY	MATURITY	HEIGHT	LODGING	BLACKLEG RATING	CLUBROOT RATING	STRAIGHT CUT
CANTERRA SEEDS						
CS4000 LL (NEW)	Mid	Medium-Tall	Very Good	R	Resistant to pathotypes 2F, 3H, 5I, 6M & 8N.	Yes
CS2700 CL (NEW)	Mid	Medium	Very Good	R-C	Gen2	No
CS2500 CL	Mid	Medium-Tall	Excellent	R-C	-	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
CS2400	Early	Medium	Excellent	R-CX	-	Yes
BRETTYOUNG						
5545 CL	Full		Good	R	-	-
BY 5125 CL	+0.4 days of check	42"	Excellent	R-CE1	R (1st Generation Resistance)	-
BY 5105 CL	Medium	42"	Excellent	R-C	R (1st Generation Resistance)	-
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

End Use Contracts for Yellow Pea and Non-GMO Canola Offer an Exciting Opportunity for Growers

Tom Greaves

For 2022, Pitura Seeds has available with Merit Functional Foods end use contracts for yellow peas, organic peas and non-GMO canola.

The opportunity that this brings to farmers is multifaceted: these contracts offer premiums over the market price and the product is picked up right on farm, which reduces logistics for the farmer. It's a win-win.

The product comes in from the farmer's bin to our facility to be processed before going to Merit. Many of the varieties from this very seed guide are accepted in these contracts.

Moving forward into next year's contracts for yellow peas, there are specific varieties that are preferred because they have a higher protein concentration. Those varieties are going to be at an additional premium on the contract compared to others.

Manitoba is quickly becoming the Silicon Valley of plant-based proteins, and that's exciting for us to be part of. It means more value-added opportunities in the form of better pricing and greater premiums on contracts available to growers. We're very pleased to be a part of bringing these opportunities to our grower customers.

As the plant-based protein conversation continues on an upward trajectory, so does production of Canadian pulses. Between 2008 and 2018, there was a 500% increase in global new product launches containing pulse ingredients, according to Pulse Canada.

Protein ingredients made from pea and canola are increasingly being used in food products ranging from meat and dairy substitutes to snacks and bakery products that are traditionally based on cereals.

Established in 2019, Merit Functional Foods is committed to exceeding expectations for plant-based protein, providing the market with the highest quality protein ingredients and blends that offer unmatched purity, exceptional taste, and excellent solubility.

Merit recently built a state-of-the-art 94,000-square foot production facility in Winnipeg, where it produces a portfolio of pea and canola protein ingredients with exceptional functional and nutritional values.

Consumer preferences are always changing, and the plant-based protein movement has created room for more people in the protein space. I grew up on a hog and cattle farm and will always support these industries. In saying this, I am excited about the opportunities that our relationship with Merit Functional Foods will bring to growers across Western Canada as the protein industry evolves.

Peas/Forage and Turf Grass

AAC Delhi

SeedNet

- Semi-leafless, high yielding yellow pea
- Large seeded yellow pea
- High protein content
- Medium fusarium wilt rating

Pea Varieties - Agronomic & Disease Data

VARIETY NAME	KIND	YIELD	MATURITY	RELATIVE VINE LENGTH	LODGING	SEED COAT BREAKAGE	POWDERY MILDEW	FUSARIUM WILT	MYCOSPHAERELLA BLIGHT
AAC Chrome	Yellow	108% of CDC Amarillo	Long	Medium	Good	Good	Very Good	F	F
AAC Carver	Yellow	104% of CDC Amarillo	Early	Long	Good	Good	Very Good	F	F
CDC Lewochko	Yellow	103% of CDC Amarillo	Mid	Long	Very Good	Good	Very Good	F	F
AAC Delhi	Yellow	102% of CDC Amarillo	Mid	Medium	Good	Fair	Very Good	F	F
AAC Profit	Yellow	100% of CDC Amarillo	Long	Medium	Good	Fair	Very Good	F	F

Forage and Turf Grass

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

NORTHSTAR SEED

PICKSEED

BrettYoung

Seed Treatments

At Pitura Seeds we offer the following seed treatments.

PULSES

AGTIV Soybeans

Cruiser Maxx Vibrance

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

Pitura SEEDS

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