



AUGUST 2022

# 2022 FALL AGRO ADVISOR





A man in a tan jacket and black cap stands on the upper platform of a green combine harvester, looking down at a woman sitting on a lower platform. The woman is wearing a dark jacket and jeans, looking up at the man. The harvester has a red fire extinguisher mounted on it. The background shows a vast field under a cloudy sky.

# 04 GROW

**04:** INVESTING IN THE NEXT GENERATION OF AG LEADERS

**06:** SIX SIGNS YOU ARE GROWN WITH PURPOSE

**07:** ZONING IN ON SEED PERFORMANCE WITH AGZONE DIGITAL SOLUTIONS

**08:** SEEDS FOR SUCCESS

# 13 BUILD

**13:** IMAGINE YOUR HOME WITHOUT POWER

# FALL 2022



# 14 AGRO

**14:** FARM TO TABLE:  
CO-OP GOLD LAGER

# 16 EQUIP

**16:** A DAY IN THE LIFE OF AN  
EQUIP TEAM MEMBER

# 17 FUEL

**17:** HARVEST FUEL

**18:** INTRODUCING ELITE GASOLINE  
ENGINE OIL

**19:** HARVEST OIL SALE

**20:** IMPROVING GRAIN DRYING  
TECHNOLOGY THROUGH  
COMMUNITY COLLABORATION

**21:** ASK THE EXPERT

**22:** FUELING WESTERN  
CANADA TOGETHER

# 2

CO-OP® DESIGN, CO-OP® AND D-MO® REGISTERED TRADEMARKS OF FEDERATED CO-OPERATIVES LIMITED  
GROWN WITH PURPOSE™, ELITE BREEDER™ AND LEAD WITH SEED™ TRADEMARKS OF FEDERATED CO-OPERATIVES LIMITED  
ALL OTHERS ARE TRADEMARKS OF THEIR RESPECTIVE COMPANIES.



# INVESTING IN THE NEXT GENERATION OF AG LEADERS

After her own agronomy career got a jumpstart from Co-op's Excellence in Ag Program, Sara Verge is now happy to be paying it forward. Verge was a student in the program for three years and has mentored a new student in the program this summer.

"It was a fantastic opportunity that really furthered my career. I'm happy to have the opportunity to give back, by taking what I learned and passing it on," Verge said.

Verge grew up on a farm east of Prince Albert, Saskatchewan. She applied to the Excellence in Ag Program in 2015, during her first year of study at the University of Saskatchewan, while working at Lake Country Co-op. "Our local Co-op encouraged me to apply. They had never had an Excellence in Ag student in our association, and it seemed like a fantastic opportunity," Verge said.

She was accepted. The Excellence in Ag Program supported her with a scholarship and summer employment at Lake Country Co-op while she finished school. "Not only was it a scholarship, but it was a learning opportunity with guaranteed summer employment in the local community where I wanted to be, and where I saw a future for myself," said Verge.

At the same time, the program required her commitment. "Each summer there were targeted courses and set goals to achieve, and it really pushed me outside of my comfort zone, to learn and expand my knowledge," she said.

Students accepted into the Excellence in Ag Program can earn up to \$16,000 in scholarships over four years, gain valuable work experience each summer through paid internships at a local Co-op retail location, and are eligible for post-graduation career opportunities.

"Through this program, Co-op invests in the next generation of ag leaders, helps build sustainable ag communities, and creates a pool of talent for full-time agronomy positions," explained Karen Dow, Manager, Agronomic Development with Federated Co-op Limited. "It's a great initiative for young people looking for a head start pursuing an ag-related career."

After graduating with her Bachelor of Science in Agriculture in 2018, Verge was hired full-time at Lake Country Co-op as a Grow Team member, then moved into the role of Crop Supplies Manager last autumn. She also continues to be involved in her family's farm, a mixed beef cattle and grain operation.

"In our community, Co-op is the ag business, the fuel business, the grocery store... My dad worked here for 19 years, finishing just a few years before I started. Our family is deeply connected to Co-op, and we've always had a great connection with our Fuel and Agro Managers," Verge said.

Through the Excellence in Ag Program Verge gained valuable experiences and developed strong relationships with customers, lessons she now has the opportunity to pass on as a mentor. The new student came to Prince Albert from her hometown of

Swift Current, which has a different climate, different crops, and a different set of challenges. Verge said, "I was excited to give her the opportunity to learn more about how we farm here."

In her present work, Verge contributes to her local Co-op's aspirations for growth. "We've got such a fantastic customer base. Our goal is to continue to grow that, whether through a wider demographic, or by seeking out more customers in our territory. We're always aiming to grow and serve customers better, providing the tools they need to be successful," she said.

For high school graduates and university students looking to enrich their ag education, the Excellence in Ag Program provides great learning opportunities with career potential. "Under the umbrella of the Co-operative Retailing System, there are so many possible career paths and opportunities—whether in agronomy, sales, management, or more," said Verge. "This really is a fantastic learning opportunity."

Every year, the Co-operative Retailing System welcomes up to four new students into the Co-op Excellence in Ag Program, a comprehensive scholarship package for students studying agriculture and agribusiness. Applications for this year's Excellence in Ag Program are due September 15, 2022.





# EXCELLENCE IN AG PROGRAM



Up to \$16,000  
in Scholarships



Paid Internships



Career Opportunities



Co-op's Excellence in Ag Program can help you achieve your personal career goals and objectives. This scholarship package not only helps finance your education, but it also allows you to gain experience and build a professional career in the agricultural industry.

**ALL APPLICATIONS MUST BE RECEIVED  
BY SEPTEMBER 15, 2022.**





# SIX SIGNS YOU ARE GROWN WITH PURPOSE

What you do matters.  
Make it count.

**GROWN WITH  
PURPOSE**

When it comes to sustainable practices, how well do you think your farm is doing?

The truth is that you're probably more sustainable than you think. Consider the advancements made in the last decades, through trial and error, science and experience. Today's farmer understands the importance of everything from basic practices, such as crop rotations, minimum tillage and economic thresholds, to the more advanced concepts of nutrient efficiency, biotechnology and precision and digital ag. Working in this industry, we've come a long way.

Raelyn Pederson, Grow Team member from Wild Rose Co-op believes that the way you farm matters and wants to recognize the remarkable things you do to promote the long-term legacy of your farm, and farming community. She also wants to help you identify those small changes that can make a big difference. Grown with Purpose, a forward-thinking sustainability platform rooted in agronomy and the 4Rs of nutrient management, helps her do just that.

Here are six signs that Pederson looks for when helping farmers understand if their acres are being Grown with Purpose.

1. A nutrient-management plan is developed each year based on a field-by-field or even zone-by-zone basis. Consideration is given to the soil type, organic matter, previous crop, potential residual nutrient carryover, yield goals, crop type and soil test results.

2. Soil testing is used to determine the amount of nitrogen available and informs how application rates by field or zone can be tailored, ensuring that just the right amount of nitrogen is applied to achieve the targeted yield while minimizing potential losses.
3. Nitrogen is applied at a time that reduces environmental losses including volatilization. For example, when nitrogen is applied to dry soils that do not seal, there is nitrogen loss through volatilization. This nitrogen loss to the atmosphere is not only costly but it is no longer available to the crop.
4. Enhanced efficiency fertilizers are used to reduce nitrogen losses through volatilization or denitrification and limit the amount lost between application and crop uptake.
5. Legume or pulse crops are included in the rotation as they capture or fix nitrogen from the air and return it to the soil for next year's crop.
6. Minimum till or no-till farming practices are used which prevent wind and water erosion that transport nutrients from fields to watersheds.

To learn if your acres are Grown with Purpose contact your local Co-op Grow Team member. Together, you will develop your Grown with Purpose profile and build sound strategies that will help your legacy grow into the future.



## ZONING IN ON SEED PERFORMANCE



# AgZONE

DIGITAL SOLUTIONS

For Mark Johnson, Grow Team member at Saskatoon Co-op, this growing season holds the promise of new insights and growing opportunities for growers throughout Western Canada.

Johnson, along with other members of Co-op's Grow Team, is working on field trials in a different way than in previous years. Both on and off the field, they're applying data-driven intelligence using Co-op AgZone®. This new suite of digital solutions provides growers with the decision-making tools they need to achieve success. The platform offers easy-to-use mobile in-field technology, all designed to support and grow the farm in the field, in the yard and in the books.

"We are incorporating our Co-op AgZone FIELD tool with our Nuseed Innovation Trials this growing season. We are looking at new canola varieties to gain an understanding of how well they are adapted to our growing environment," said Johnson. "Taking the digital intelligence of AgZone FIELD and realizing the insights and capabilities through our Nuseed Innovation Trials is really exciting. The platform allows us to determine how the seed product performs, as we are visually able to see the results of the trials through satellite imagery, and different tools offered within the platform. We can

also monitor plant health and gain insights throughout the entire growing season, not just at harvest."

As with any trial, gathering as much data as possible is crucial in determining how well the product is suited to the region, and if it meets what our community of growers are looking for in a crop solution. Having that data at hand within AgZone FIELD adds tremendous value and accuracy to the results of the trial.

"Utilizing AgZone, with the Nuseed Innovation Trials, we now have the ability to gather weather data, the growth stage of the plants and then, ultimately, the yield at the end of the year. We analyze data from the trials, to understand the different varieties and how they perform, and it helps us to differentiate treatments, or varieties in this case, and determine the best ones to meet our growers' needs. With AgZone FIELD, we can get a lot more intimate with each field all summer long through satellite imagery," explained Johnson. "It is critical in generating precise scouting reports and providing actual images of the field, rather than assumptions. AgZone FIELD also allows our Grow Team to pre-scout fields to identify key areas that need closer inspection, making sure problem

spots don't get missed or pest pockets grow. For example, when you pull up a grower's maps, it can be noticeably clear at times which part of the field needs to be investigated. This capability further enhances the services and solutions that we can offer to our farm customers as their trusted advisors."

"Working on the Nuseed Innovation Trials is rewarding in the fact that we are working together in partnership to create growing opportunities for our farm customers. With Nuseed and their willingness to adapt and change their breeding characteristics based on the digital intelligence of what we are seeing in the field trials, it will undoubtedly set the stage for success of these new varieties and growing opportunities for farmers across Western Canada," said Johnson.

To learn more about Co-op AgZone and/or the Nuseed Innovation Trials, please contact your local Grow Team member or visit [www.agro.crs](http://www.agro.crs).



# 2023 SEEDS FOR SUCCESS

A successful crop year starts with the selection of the right seed and genetic package for your farm. Cropping history, weed concerns, geography and yield goals are just a few of the factors to consider when planning for 2023. Count on Co-op Grow Team for local insights on how to balance disease traits and maturity ratings with yield potential and features that impact harvestability.

## CANOLA HYBRIDS

BRAND	HYBRID	MATURITY	HEIGHT	STANDABILITY	ZONE OF ADAPTATION	CLUBROOT RESISTANCE GENERATION	CHARACTERISTICS
<b>CLEARFIELD®</b>							
Brevant™ seeds	B2030MN	-0.1	Medium-Tall	Very Good	MSZ & LSZ	Resistant to Clubroot Pathotypes 2F, 3H, 5I, 6M, 8N	Blackleg Resistance, Clubroot Resistance, Pod Shatter Reduction Score (6)
	2028 CL	0	Medium	Excellent	MSZ & LSZ	Resistant to Clubroot Pathotypes 2F, 3H, 5I, 6M, 8N	Blackleg Resistance, Clubroot Resistance, Pod Shatter Reduction Score (5)
BrettYoung™	BY 5125CL	0.4	Medium-Tall	Excellent	ASZ	1st Generation Clubroot Resistance	1st Generation Clubroot Resistance

Brevant maturity check is 2028 CL

<b>ROUNDUP READY®</b>							
Brevant™ seeds	1028 RR	0	Medium	Excellent	MSZ & LSZ	Resistant to Clubroot Pathotypes 2F, 3H, 5I, 6M, 8N	Blackleg Resistance, Clubroot Resistance, Pod Shatter Reduction Score (5)
	B1030N	0.5	Medium	Very Good	MSZ & LSZ	Resistant to Clubroot Pathotypes 2F, 3H, 5I, 6M, 8N	Blackleg Resistance, Clubroot Resistance, Pod Shatter Reduction Score (5)
	D3158CM	-3.1	Medium-Tall	Very Good	ASZ	Resistant to Clubroot Pathotypes 2F, 3H, 5I, 6M, 8N	Blackleg Resistance, Clubroot Resistance, Pod Shatter Reduction Score (7)
	D3157C	-3.3	Tall	Very Good	ASZ	Resistant to Clubroot Pathotypes 2F, 3H, 5I, 6M, 8N	Blackleg Resistance, Clubroot Resistance, Pod Shatter Reduction Score (4)

Brevant maturity check is 1028 RR

Zone of Adaptation - ASZ: ALL SEASON ZONE LSZ: LONG-SEASON ZONE MSZ: MID-SEASON ZONE SSZ: SHORT-SEASON ZONE



# CANOLA HYBRIDS



BRAND	HYBRID	MATURITY	HEIGHT	STANDABILITY	ZONE OF ADAPTATION	CLUBROOT RESISTANCE GENERATION	CHARACTERISTICS	
<b>TRUFLEX™ CANOLA WITH ROUNDUP READY® TECHNOLOGY</b>								
BrettYoung™	BY 6204TF	0.1	Medium-Tall	Excellent	ASZ	1st Generation Clubroot Resistance	Multi-Genic Blackleg Resistance, Clubroot Resistance	
	BY 6207TF	1.7	Medium-Tall	Excellent	ASZ	Next Generation Clubroot Resistance	Clubroot Resistance	
	BY 6211TF	0.9	Medium-Tall	Very good	ASZ		New Pod Shatter Tolerance Trait, Multi-Genic Blackleg Resistance	
	BY 6214TF	0.3	Medium-Tall	Very good	ASZ	Next Generation Clubroot Resistance	Multi-Genic Blackleg Resistance, Clubroot Resistance	NEW
	BY 6217TF	1.5	Medium-Tall	Excellent	ASZ	Next Generation Clubroot Resistance	New Pod Shatter Tolerance Trait, Clubroot Resistance	NEW
DEKALB®	DK900TF	Mid	Medium	Very Good	ASZ	Clubroot Resistance	Straight Cut Plus, Blackleg Resistance, Clubroot Resistance	NEW
	DK901TF	Mid	Medium	Very Good	ASZ	Multi-Genetic Clubroot Resistance	Straight Cut, Blackleg Resistance, Clubroot Resistance	NEW
	DK902TF	Ultra Early	Short-Medium	Good	ASZ	Multi-Genetic Clubroot Resistance	Straight Cut, Blackleg Resistance, Clubroot Resistance, Ultra Early Maturity	NEW
	DKTF 99 SC	Mid	Medium	Excellent	ASZ		Straight Cut, Blackleg Resistance	
	DKTF 98 CR	Mid	Medium	Very Good	ASZ	Multi-Genetic Clubroot Resistance	Blackleg Resistance, Clubroot Resistance	
	DKTF 97 CRSC	Mid	Medium	Very Good	ASZ	Clubroot Resistance	Straight Cut, Blackleg Resistance, Clubroot Resistance	
	DKTF 96 SC	Mid	Medium	Excellent	ASZ		Straight Cut Plus, Blackleg Resistance	
	DKTF 93 SC	Ultra Early	Medium	Very Good	ASZ		Ultra Early Maturity, Straight Cut, Blackleg Resistance	NEW
Nuseed®	NC355 TF	-0.50	Medium	5	ASZ		Multi-Genic Blackleg Resistance, Vigorous	
	NC471 TF	1.00	Medium-Tall	3	ASZ		Multi-Genic Blackleg Resistance, High Yield Potential	
	NC155 TF	-3.00	Medium	3	ASZ		Multi-Genic Blackleg Resistance, Exceptionally Early Maturity	
	NC267 TF	-2.00	Medium	4	ASZ		Multi-Genic Blackleg Resistance, Extreme Early Maturity	
	NC527CR TF	1.50	Medium-Tall	4	MSZ & LSZ	1st Generation Clubroot Resistance	Multi-Genic Blackleg Resistance, Multi-Genetic Clubroot Tolerant	

DEKALB maturity rating is based on Bayer's Market Development Trials.

<b>TRUFLEX™ CANOLA WITH ROUNDUP READY® AND LIBERTYLINK® TECHNOLOGIES</b>								
DEKALB®	DKTFLL 22 CRSC	Mid	Medium	Very Good	ASZ	Clubroot Resistance	Straight Cut, Clubroot Resistance, Blackleg Resistance	NEW
	DKTFLL 21 SC	Early	Short-Medium	Very Good	ASZ		Straight Cut Plus, Blackleg Resistance	
InVigor® Choice	InVigor LR354PC (registration pending)		Medium	Very Strong	MSZ & LSZ	1st Generation Clubroot Resistance	Patented Pod Shatter Reduction Technology Featuring the LibertyLink® Technology System and TruFlex® Canola with Roundup Ready® Technology	NEW

Zone of Adaptation - ASZ: ALL SEASON ZONE LSZ: LONG-SEASON ZONE MSZ: MID-SEASON ZONE SSZ: SHORT-SEASON ZONE

<sup>1</sup> Unless otherwise noted, maturity ratings based on relative to WCC/RRC check performance in available Co-op 1 & 2, CPT and private trials. Your results may vary according to agronomic, environmental and pest variables. Straight Cut Plus - DEKALB canola hybrids that are a result of breeding selection to improve pod shatter genetics and also carry our additional trait with improved pod integrity for enhanced pod shatter protection.



# CANOLA HYBRIDS



BRAND	HYBRID	MATURITY	HEIGHT	STANDABILITY	ZONE OF ADAPTATION	CLUBROOT RESISTANCE GENERATION	CHARACTERISTICS	
<b>LIBERTYLINK®</b>								
BrettYoung™	BY 7102LL	1.9	Medium-Tall	Excellent	ASZ	Next Generation Clubroot Resistance	Multi-genic Blackleg Resistance	<b>NEW</b>
Brevant™ seeds	B3010M	-2	Medium-Tall	Excellent	ASZ	New Source of Resistance to Pathotypes 2F, 3H, 5I, 6M, 8N plus 2B, 3A, 3D, 5X	Blackleg Resistance, Clubroot Resistance (New Source), Pod Shatter Reduction Score (6)	
	B3011	-1.9	Tall	Excellent	ASZ	Resistant to Clubroot Pathotypes 2F, 3H, 5I, 6M, 8N	Blackleg Resistance, Clubroot Resistance, Pod Shatter Reduction Score (5)	
	B3012	-0.5	Tall	Excellent	ASZ	Resistant to Clubroot Pathotypes 2F, 3H, 5I, 6M, 8N	Blackleg Resistance, Clubroot Resistance, Pod Shatter Reduction Score (7)	<b>NEW</b>
	B3014	0	Tall	Excellent	MSZ & LSZ	Resistant to Clubroot Pathotypes 2F, 3H, 5I, 6M, 8N	Blackleg Resistance, Clubroot Resistance, Pod Shatter Reduction Score (5)	<b>NEW</b>
DEKALB®	DKLL 84 CRSC	Mid	Medium	Good	ASZ	Clubroot Resistance	Straight Cut, Clubroot Resistance, Blackleg Resistance	<b>NEW</b>
	DKLL 83 SC	Early	Short-Medium	Very Good	ASZ		Early Maturity, Straight Cut Plus, Blackleg Resistance	<b>NEW</b>
	DKLL 82 SC	Early	Short-Medium	Excellent	ASZ		Early Maturity, Straight Cut Plus, Blackleg Resistance	
InVigor®	InVigor L350PC (registration pending)		Medium	Very Strong	MSZ & LSZ	1st Generation Clubroot Resistance	Patented Pod Shatter Reduction Technology	<b>NEW</b>
	InVigor L343PC		Medium	Strong	ASZ	2nd Generation Clubroot Resistance	Patented Pod Shatter Reduction Technology	
	InVigor L356PC		Medium	Strong	ASZ	1st Generation Clubroot Resistance	Patented Pod Shatter Reduction Technology	
	InVigor L357P		Medium	Very Strong	MSZ & LSZ		Patented Pod Shatter Reduction Technology, Exceptional Blackleg Resistance	
	InVigor L340PC		Medium	Strong	ASZ	1st Generation Clubroot Resistance	Patented Pod Shatter Reduction Technology	
	InVigor L345PC		Medium	Good	ASZ	1st Generation Clubroot Resistance	Patented Pod Shatter Reduction Technology	
	InVigor L233P		Short-Medium	Strong	ASZ		Patented Pod Shatter Reduction Technology	
	InVigor L234PC		Medium	Good	ASZ	2nd Generation Clubroot Resistance	Patented Pod Shatter Reduction Technology	
	InVigor L255PC		Medium	Very Strong	MSZ & LSZ	1st Generation Clubroot Resistance	Patented Pod Shatter Reduction Technology	
	InVigor L241C		Medium	Very Strong	ASZ	1st Generation Clubroot Resistance	Patented Pod Shatter Reduction Technology	

Zone of Adaptation - ASZ: ALL SEASON ZONE LSZ: LONG-SEASON ZONE MSZ: MID-SEASON ZONE SSZ: SHORT-SEASON ZONE

Brevant maturity check is L255PC  
 DEKALB maturity rating is based on Bayer's Market Development Trials  
 InVigor maturity, height, and standability are based on performance ratings and data compiled from several internal trials over multiple years

Two predominant clubroot pathotypes found in Canada at the time of registration. InVigor L350PC, InVigor L356PC, InVigor L345PC, InVigor L340PC, InVigor L255PC, InVigor L241C and InVigor Choice LR354PC all share the same 1st generation clubroot resistance profile. InVigor L343PC and InVigor L234PC have this resistance profile plus they contain 2nd generation multi-genetic clubroot resistance to additional clubroot pathotypes to help combat evolving clubroot pathotypes.



# CORN HYBRIDS

BRAND	VARIETY	CHU	RELATIVE MATURITY	TRAIT	
<b>GRAIN AND SILAGE CORN</b>					
DEKALB®	DKC20-23RIB	2050	70	VT2P	NEW
	DKC21-36RIB	2075	71	VT2P, Silage Ready™	
	DKC24-05	2100	74	RR2	
	DKC24-06RIB	2100	74	VT2P, Silage Ready™	
	DKC26-40RIB	2150	76	VT2P, Silage Ready™	
	DKC29-89RIB	2275	79	VT2P	
	DKC30-63RIB	2325	80	VT2P	NEW
	DKC31-85RIB	2425	81	VT2P, Silage Ready™	
	DKC33-78RIB	2400	83	VT2P	
	DKC33-37RIB	2500	83	VT2P	
	DKC34-57RIB	2575	84	VT2P, Silage Ready™	
	DKC35-29RIB	2575	85	VT2P	NEW
	DKC35-37RIB	2575	85	VT2P	
	DKC36-48RIB	2600	86	VT2P, Silage Ready™	NEW
	DKC37-73RIB	2650	87	SSTX	
	DKC38-15RIB	2675	88	TRE	
DKC38-55RIB	2650	88	VT2P, Silage Ready™		
BrettYoung™	BY Brava RR2	2250	78	RR2	
	BY Belmont RR2	2450	83	RR2	NEW
DLF Pickseed	PS 2210VT2P RIB	2125	77	VT2P	
	PS 2320RR	2200	78	RR2	
	PS 2495RR	2325	80	RR 2	NEW
NorthStar Genetics	NS 271	2050	71	VT2PRIB	
	255	2300	79	VT2PRIB	
NK® Seeds	NK7837-V	2350	78	Viptera	NEW
	NK8005-V	2400	80	Viptera	NEW
	NK8204-V	2550	82	Viptera	NEW
	NK8519-DV	2650	85	DuracadeViptera	NEW
	NK8618-D	2650	86	Duracade	NEW
	NK8760-V	2650	87	Viptera	NEW

<b>SILAGE CORN</b>					
DLF Pickseed	PS ExSeed LF RR	2450	82	RR 2	
NK® Seeds	NK9023-DV	2725	90	DuracadeViptera	NEW
	NK9175-DV	2750	91	DuracadeViptera	NEW
NorthStar Genetics	913S	2100-2200	75	RR2	
	928S	2300-2400	86	RR2	NEW
	932S	2350-2450	89	RR2	

RR2: ROUNDUP READY® CORN 2  
SSTX: SMARTSTAX® RIB COMPLETE® CORN BLEND

VT2P: VT DOUBLE PRO® RIB COMPLETE® CORN BLEND  
TRE: TRECEPTA® RIB COMPLETE® CORN BLEND

NK® Corn hybrids are protected under granted or pending Canadian variety patents and other intellectual property rights, regardless of the trait(s) within the seed. NK® and NK® & Design are trademarks of a Syngenta Group Company. © 2022 Syngenta



**LEAD WITH SEED™**

**WHAT WOULD YOU DO WITH NO PAYMENTS FOR A YEAR?**

Purchase your seed with a line of credit from FCC by Feb. 1, 2023, and enjoy no payments and no interest until October 2023.

**GROW TEAM**



*fcc* Farm Credit Canada



# SOYBEAN VARIETIES



BRAND	VARIETY	CHU	RELATIVE MATURITY	WHITE MOULD RESISTANCE	HEIGHT	
<b>ROUNDUP READY® 2 XTEND</b>						
BrettYoung™	BY Rundle XT	2150	000.5	VG	Medium	
	BY Logan XT	2200	000.7	VG	Tall	NEW
	BY Morro XT	2300	00.1	VG	Medium	NEW
	BY Rainier XT	2425	00.5	VG	Tall	NEW
Elite from BrettYoung™	Sunna R2X	2375	00.3	VG	Tall	
	RX Acron	2450	00.6	G	Tall	
Brevant™ seeds	B0012RX	2300	00.1'	G	Medium	
	B0041RX	2375	00.4'	VG	Medium	
	B0071RX	2450	00.7'	G	Medium	NEW
DEKALB®	DKB0005-03	2175	000.5	VG	Medium	NEW
	DKB0008-87	2275	000.8	E	Medium-Tall	
	DKB0009-89	2275	000.9	E	Medium	
	DKB002-32	2350	00.2	E	Medium	
	DKB005-52	2425	00.5	E	Medium-Tall	
	DKB006-80	2450	00.6	E	Medium-Tall	NEW
	DKB008-48	2475	00.8	VG	Medium-Tall	
NK® Seeds	S0007-S1X	2225	0.007	G	Medium	NEW
	S0009-F2X	2275	0.009	G	Medium	
	S001-D8X	2300	0.01	VG	Medium-Tall	
	S003-R5X	2325	0.03	VG	Medium	
	S003-Z4X	2325	0.03	G	Medium	
	S005-C9X	2350	0.05	VG	Medium	
	S006-K3X	2375	0.06	G	Medium	NEW
	S007-A2XS	2400	0.07	VG	Medium-Tall	
NorthStar Genetics	NSC DAUPHIN RR2X	2250	000.8	VG	Medium-Tall	
	NSC ARDEN RR2X	2325	00.1	VG	Medium	NEW
	NSC HOLLAND RR2X	2400	00.4	VG	Medium-Tall	
	NSC WINKLER RR2X	2500	00.8	VG	Tall	

<b>ROUNDUP READY® 2 YIELD</b>						
Elite from BrettYoung™	Amirani R2	2150	000.5	VG	Tall	
	Akras R2	2375	00.3	VG	Medium	
NorthStar Genetics	NSC SPERLING RR2Y	2450	00.6	VG	Medium-Tall	
NK® Seeds	S0009-M2	2275	0.009	VG	Medium	
	S007-Y4	2350	0.05	E	Medium	

<b>ENLIST E3</b>						
Brevant™ seeds	B0061E	2425	00.6'	G	Medium	NEW

RATINGS — E: EXCELLENT, VG: VERY GOOD, G: GOOD

Information shown has been provided by the respective companies. Results may vary regionally.

NK® Soybean varieties are protected under granted or pending Canadian variety patents and other intellectual property rights, regardless of the trait(s) within the seed. NK® and NK® & Design are trademarks of a Syngenta Group Company. © 2022 Syngenta





# IMAGINE YOUR HOME WITHOUT POWER

## Why should I consider a home standby generator?

From essentials like heating, cooling and lighting, to daily necessities like cooking and laundry, our lives run on electricity. Power outages can be disruptive and costly.

Having a functioning standby generator ensures all necessary operations continue and your electronics stay online. Whether your home loses power for an hour, a day or longer, a standby generator can help keep electrical systems working and prevent a wide range of unwanted outcomes and expenses.

## Keep your life running

Think about how frequently the power goes out at your home. Power failure causes disruptions to our day-to-day life, affecting everything from

entertaining our families, to daily chores, to the safety and security of our homes. People working from home offices won't have access to the internet and may lose work. If the power is out for long enough, food can go to waste from fully stocked fridges and freezers.

A standby generator provides a constant supply of electricity and peace of mind. In the event of a power outage, the standby generator will start automatically and stay running quietly and safely until the power returns.

## Backup power made easy

Unlike portable generators, standby generators do not need to be refilled with fuel, because they run from your existing natural gas or propane line.

Installed by a certified electrician, the standby generator is wired right into your home's electrical

system and sits outside your home like an air conditioning unit. Automatic operation makes a standby generator an easier, more reliable choice than a portable generator – not to mention cutting back on extension cords use!

If you're spending some time away, you'll be able to see what's happening at home. Remote monitoring allows you to see the status of your generator on your mobile device or computer. It will also alert you to when your generator needs maintenance, keeping you on top of regular appointments.

In harsh Canadian winters or violent summer storms, it's important to know that your home has the power to keep your life running. Visit your local Co-op Home or Agro Centre today to learn more about standby generators.



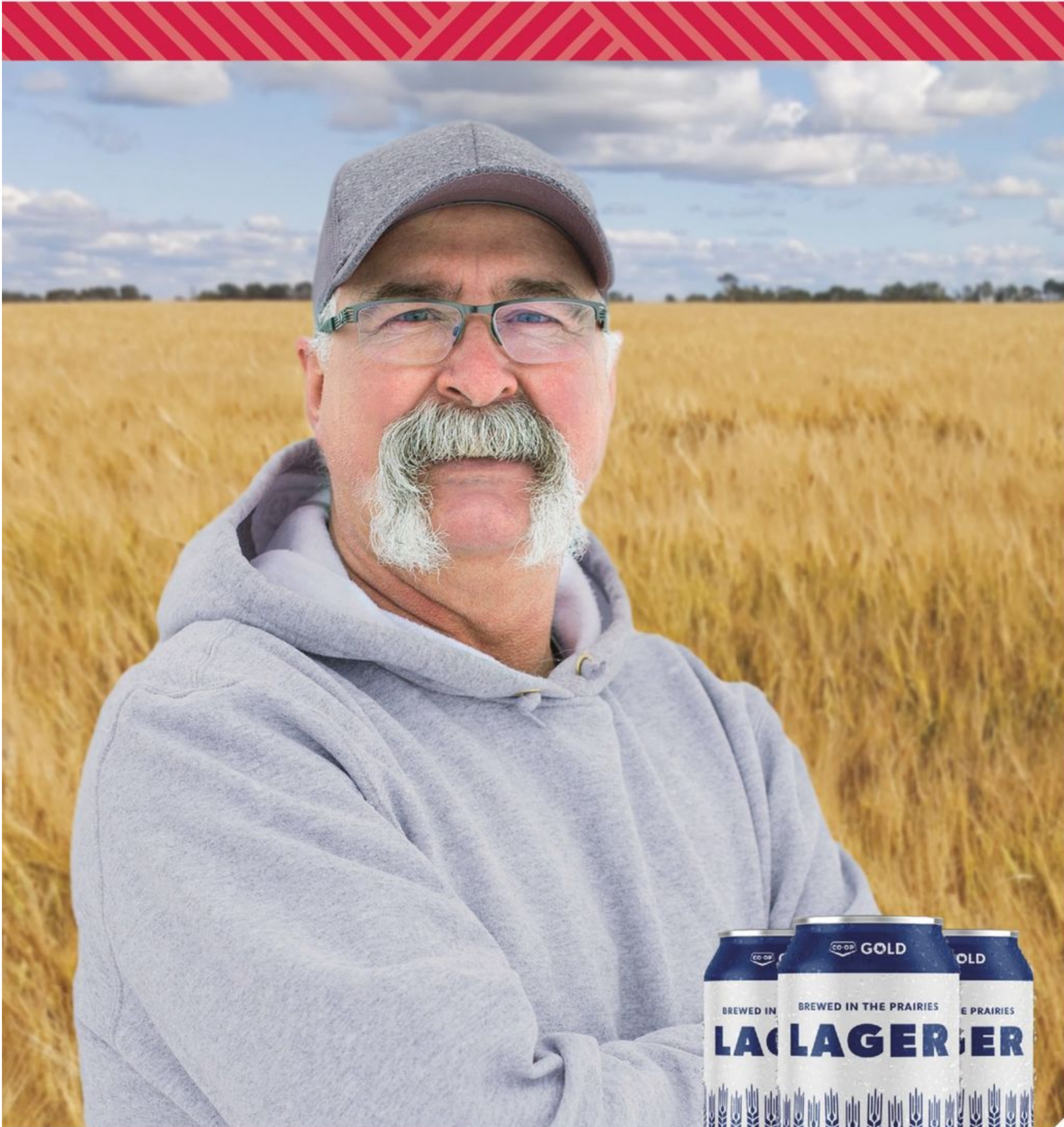
# FARM TO TABLE: CO-OP GOLD LAGER

## Locally Grown and Brewed CO-OP GOLD Lager Arrives in Saskatchewan

A new farm-to-glass product has just arrived on Co-op Liquor Store shelves in Saskatchewan and it has "local" written all over it. CO-OP® GOLD Lager, developed in collaboration with Great West Brewing Company, launched in Saskatchewan this spring, just ahead of the summer season.

Made with local ingredients and brewed by a master, Co-op Gold Lager is a smooth, crisp, clean and thirst-quenching beer made, processed and sold in Saskatchewan. The can design features bold artwork in appealing blue and silver shades with stylized barley that points to the rural Saskatchewan farming community where the beer gets its beginning. The new product demonstrates Co-op's commitment to working alongside farmers to build communities through local food and beverage production initiatives.

Co-op Gold Lager is the first product to hit the shelves using ingredients harvested by a grower in the GROWN WITH PURPOSE® program. Through the program, Co-op Grow Team members work with farmers to develop customized strategies to improve fertilizer efficiency, optimize production, and support the health of their land. "Co-op Gold Lager is unique in that consumers can draw a direct line from the beer back to the Co-op farmer whose malt barley is an important ingredient. We can trace this product right back to the soil it came from," explained Susan Grant, Liquor Marketing and Operations Manager with Federated Co-operatives Limited.



**Gordon Moellenbeck**  
Moellenbeck Farms





## Moellenbeck Farms Supports Local Initiatives

The soil Grant refers to is on the Moellenbeck farm near Englefeld, SK. Gordon Moellenbeck is a Co-op farm customer and certified Grown with Purpose farmer whose malt barley is used in the recipe for Co-op Gold Lager.

Moellenbeck farms with his brothers in the same area where they grew up. The brothers share one large farm in which each brother has their own operation. They collectively farm 5,000 acres, some in a grain/hay rotation and some in pasture. They also raise purebred shorthorn cattle, holding an annual bull sale with two other breeders.

Of course, Moellenbeck also grows a lot of malt barley—now being used to support the production of Co-op Gold Lager, which is a good fit for Moellenbeck's local sustainability goals.

"We enjoy having small towns around us with strong communities, and this is due to the support and growth of local products and businesses. It's important to me to keep a sense of community here. My goal is to focus on local now to keep our local businesses viable for the future," Moellenbeck said.

Co-op Gold Lager has strong local connections not only to the Moellenbeck family, but to a local maltster and brewer as well. Prairie Malt at Biggar prepares the barley for brewing, Great Western Brewing in Saskatoon brews it, and the beer is packaged and sold in Saskatchewan.

Even the profits are used locally. "Being that this beer is only sold through Co-op liquor stores in the province, all the profits stay local, helping to keep Saskatchewan farm communities alive," said Grant.

Moellenbeck's farm focuses on growing top-quality products, creating a sustainable farm for the long term, and protecting soil health. "We need to focus on environmental stewardship to ensure safe practices for everyone," said Moellenbeck.

Looking to the future, Moellenbeck said ensuring their farm advances using agronomically sound practices is key. "Through nutrient stewardship practices we work alongside the team at our local Co-op Agro Centre to maximize yields and profits while continuing to take care of the land," he said. "Good stewardship is important and needed to ensure sustainable practices while remaining profitable."

## GROWN WITH PURPOSE™ Program Supports Advancement

Moellenbeck has been a Co-op member "forever," he said, rattling off the first of his three different Co-op numbers. He relies on Co-op for everything from groceries to crop inputs. "We work with Co-op Agro at Humboldt, which provides competitive pricing, good service and good advice, including making recommendations about alternatives," he said. "Most importantly, Co-op Agro looks at long-term strategy, at least three to five years out, when making recommendations."

The GROWN WITH PURPOSE program has supported advancement on Moellenbeck's farm, he said: "It helps us set goals and targets on yields over every single acre seeded, and supports land productivity through improved organic matter and achievable goal setting."

Opportunities like the Co-op Gold Lager project highlight how Saskatchewan growers are contributing to making local products. "Gordon Moellenbeck is passionate about the health of the soil and local farming communities. He cares about maintaining the rural way of life and keeping small communities viable," said Grant.

"I like knowing we are contributing to the ingredients used to make our own beer," Moellenbeck concluded.





## A DAY IN THE LIFE OF AN EQUIP TEAM MEMBER

# GARY GOOD

### Creating Connection & Advancing Agriculture With Co-op's Equip Team

For Gary Goodridge, Equip Team member at Twin Valley Co-op in Manitoba, driving down the rural roads of his small-town community of Birtle gives him a sense of pride in knowing that he has helped farm operations in his community make advancements on their operations.

"It is gratifying because you can see the results of your efforts as you drive down the road. I can truly see how I have really helped to make a difference in someone's operation, and move ahead with equipment," said Goodridge.

Goodridge is a part of the network of over 150 Co-op Equip Team members across Western Canada who are dedicated, on-farm equipment experts, providing proven solutions, emerging technologies and industry-leading support to local growers in their community.

Like Goodridge, each member brings years of experience and in-the-field training, helping address the unique challenges and opportunities on farms across the Prairies. With their diverse backgrounds they have one thing in common, which is a passion for ag equipment.

A farm boy at heart, Goodridge grew up on a mixed farm in Virden, Manitoba. He further pursued his passion for agriculture after high school, earning his Degree in Agriculture from the University of Saskatchewan. Prior to joining the Equip Team, Goodridge was a part of the Valley View Co-op Fuel Team delivering fuel in the Valleyview area of the Manitoba territory for four years.

Like many who work in agriculture, Goodridge says every day is different, but he primarily spends his days fielding phone calls, making farm calls, and coordinating the tools, solutions and expertise to best support the unique and diverse needs of their farm customers.

Providing these services and solutions and staying ahead of the latest advancements and solutions for his farm customers in the fast pace of new technology is made possible through Co-op's extensive resources and support, including Equip 101, a training and development course developed by Co-op, which brings the entire Equip Team together to provide training and insights into the latest on-farm technologies and equipment, training and connections that Gary said are integral to the success of his role.

"We had a great story of success last year of which I am really proud. We had the pleasure of working with a new farm customer and were able to upgrade his farming operation by decades with new bin equipment and moisture cable technology. From planning, straight through to the organization and delivery of bins and equipment, it was a seamless solution that our team worked diligently to provide to this grower. Once we were finished with final delivery and set up, all the customer had to do was plug in the cable to the technology and equipment and in an instant, he immediately advanced his operation.





# RIDGE

It was a big project and a crowning achievement of teamwork and execution that made a profound impact," said Goodridge.

"I love what I do because I like the people. I like creating connections. I like knowing the latest technologies and equipment solutions available and being able to connect our customers with something they need that will make their operation function more smoothly. To know I am making a genuine difference for them and advancing agriculture in my community is what truly motivates me," said Goodridge.

When he isn't helping his customers, in his spare time Goodridge contributes to helping his community, as a past volunteer for Virden ambulance services, and more recently with the Virden 5 and 10K Run – a program designed to help build infrastructure like a new skateboard park.

"Creating connection and community is really important to me," said Goodridge. "I am lucky to have a career that lets me do that."

WE ARE  
WE ARE  
WE ARE

WESTERN CANADIAN  
FUELLING HARVEST  
CO-OP



When it comes to the productivity and efficiency of your operation, every decision counts. One of those decisions is how you fuel your equipment. You need to be sure that it will run efficiently and without unnecessary downtime, especially during your busiest seasons.

Count on your local Co-op Fuel Team to keep your equipment fueled with Co-op diesel that is refined in Western Canada for Western Canada. Co-op's extensive fleet of petroleum delivery units is there to ensure your operation has the highest-quality, seasonally blended fuel right when you need it.

**We are here to help you power through harvest!**





# INTRODUCING **ELITE** GASOLINE ENGINE OIL

Living in Western Canada entails fluctuating and unpredictable weather all year long. As part of the lineup of Co-op Premium Lubricants, our new ELITE Gasoline Engine Oils are available in multiple tiers to match your needs – no matter the conditions.

Co-op Elite Gasoline Engine Oils are tailored to provide optimum performance in the latest turbocharged gasoline direct injection (TGDI) engines. The advanced additive package is formulated to enhance fuel economy, provide engine protection and increase overall engine efficiency.

#### The following is a list of Elite product offerings:

- | Elite Gasoline Engine Oils are created for a wide variety of gasoline-powered passenger cars, SUVs, vans and light-duty pickup trucks.
- | Elite High Mileage Synthetic Blend is formulated to protect older vehicles with high-mileage gasoline engines with reduced oil consumption and seal additive that prevent leaks from occurring.
- | Elite Performance Synthetic has been designed to prevent Low-Speed Pre-Ignition (LSPI), commonly referred as engine knock, and is General Motors dexos 1™ Gen 2 Approved.

New gasoline engine oil performance specifications API SP/ILSAC GF-6 have been introduced and are backwards compatible, replacing previous specifications API SN Plus/ILSAC GF-5. Elite's formulation will enable today's smaller and lighter, more power dense, turbocharged, gasoline direct injection engine technologies to achieve Original Equipment Manufacturers' (OEM) stringent performance requirements, including adhering to the latest Corporate Average Fuel Economy (CAFE).

- | Elite Truck Synthetic provides superior protection in medium-duty pickup trucks and SUVs, where increased engine performance is required for hauling and towing heavy loads.

Whether it's for new modern gasoline engines, required to service an older high-mileage engine or provide protection where increased engine performance is required for hauling and towing heavy loads, Co-op has you covered. No matter what you drive, improve the performance.

**Choose your path, choose Elite!**





# LUBRICATION FACTS

## GASOLINE ENGINE OIL

**ELITE** Gasoline Engine Oils are an excellent choice for use in the latest gasoline engine technology. ELITE oils have been tested and exceed vehicle warranties, in both new and older gasoline vehicle models.

### ELITE



LEADING ENGINE PERFORMANCE



ADVANCED OXIDATION CONTROL



ENRICHED ENGINE CAPABILITIES

HIGH MILEAGE

### ELITE

SYNTHETIC BLEND



EXCLUSIVE PROTECTION FOR HIGH MILEAGE ENGINES



EXCELLENT SEAL SWELL CONTROL



IMPROVED PERFORMANCE

PERFORMANCE

### ELITE

SYNTHETIC



DEXOS 1™ Gen 2 APPROVED



OPTIMIZED OIL LIFE



COLD WEATHER PERFORMANCE

TRUCK

### ELITE

SYNTHETIC



DURABLE FORMULA



ULTIMATE ALL-SEASON PERFORMANCE



DESIGNED SPECIFICALLY FOR TRUCKS & SUVs

# POWER THROUGH

## HARVEST AND SAVE!

SAVE UP TO \$500 ON SELECT CO-OP® PREMIUM LUBRICANTS!

For complete details, speak to a Co-op Fuel Team member.



# IMPROVING GRAIN DRYING **TOGETHER**

One of the most important operations on a farm can be grain drying. Grain farmers face many challenges. Insufficient drying and adverse weather conditions can lead to grain spoilage and quality degradation. Excessive energy consumption increases drying costs. Overdrying results in high shrinkage.

Finding ways to tackle these challenges is not an easy task. There's no "one size fits all" solution, however, existing technologies and methods can be further improved to provide a more efficient and cost-effective approach to grain drying, aeration and storage. The development of new technologies is ongoing and presents exciting opportunities to innovate. The full potential of any technology can only be assessed when done in collaboration with the communities where the technologies will be applied, letting researchers test their ideas in a real-world setting.

## Tapping Into The Next Generation of Researchers

In partnership with Lethbridge College, Co-op has recently announced one of the largest and most comprehensive on-farm grain-drying studies ever conducted in Western Canada. A state-of-the-art demo farm southwest of Lethbridge is the perfect setting for researchers to take a deep dive into their sustainable grain drying and storage solution prospects.

"The vision of this program is to address effective grain drying approaches, with a focus on sustainability and cost-effectiveness, backed up by inherent quality assessment through high-tech lab equipment," said Dr. Chandra Singh, Applied Research Chair in Agricultural Engineering and Technology at Lethbridge College's Centre for Applied Research, Innovation and Entrepreneurship.

As a part of an ongoing grain drying research project funded by the Alberta Wheat Commission, Results Driven Agriculture Research (RDAR), Alberta Innovates, Canadian Agricultural Partnership, and the Saskatchewan Wheat Development Commission, the study will cover the province-wide operations.

To assist down the road, Co-op will provide propane to fuel the grain dryers that will help the College to perform scientific analysis with other fuel options used by Alberta farmers.

According to Singh, Lethbridge College is also developing a research-teaching model that will help students test their hypotheses with on-farm equipment such as grain dryers, bins, and aeration systems. "This model will provide hands-on experience for student's future endeavours," said Singh.

Co-op continues to embrace supporting the local community and the partnership with Lethbridge College further propels the mission of fuelling the future using sustainable technologies while working with the community.

## Smart Technology Fuelled By Co-op Propane

Research will be deployed using wireless smart sensing technology to monitor the conditions of the grain bin storage (temperature, moisture levels and advanced automated fan and heater control systems) to dry the grain. The grain dryers will be fuelled by propane, a newer and more efficient approach that many farmers have implemented on their own farms. This initiative will improve the grain drying process while developing new strategies and technologies to reduce grain quality loss.

"Supporting local producers in the communities we serve is at the heart of what we do," said Wes Metler, Area Manager at Co-op's propane branch in Southern Alberta. "We jumped at the opportunity to partner with Lethbridge College to fuel the project's grain dryers."

Propane grain drying already has well-established benefits, which include:

- | Lower costs
- | Prevention of crop loss
- | Improved storage life
- | Increased grain quality





# JOIN OUR PANEL!



## HOW CAN I MANAGE MY PROPANE BUDGET?

The months leading up to harvest can present many challenges for Western Canadian farmers, including unseasonably high temperatures in the summer months, rising costs and supply chain issues. Considering these are things you can't control, Co-op has three recommendations to help stabilize your budget and stay ahead of evolving market conditions:

### Budgeting and financing programs.

There are a variety of programs for farmers that support budgeting and financing needs. For example, residential home heating with propane can be administered through Co-op Equalized Payment Program for propane, which allows for consistent monthly bills for annual consumption over an 11-month period.

Co-op's farm customers can also access the FCC financing program—open loans on any agricultural input, including propane, over an 18-month period. For more information about this, contact your local Co-op.

### Secure product and storage early.

Global events can apply pressure to almost every facet of every supply chain, causing increased costs and delayed timelines. The propane industry is not immune to supply chain challenges.

Co-op recommends farmers secure product and storage requirements before harvest to reduce delays. Working with your local Co-op Propane Branch can offer up-to-date insight into the current market conditions. Local experts will ensure that your tank storage and propane application meet industry standards.

### Regulatory updates.

As the propane industry evolves, so do regulations and safety protocols. Lean on your local propane expert to ensure that your tank and site meet propane safety and compliance measures to avoid any unexpected surprises.

Propane is a diverse fuel that offers farmers flexibility and portability, when and where they need it. With on-farm applications such as grain drying, home heating, irrigation systems and space heating, Co-op has you covered.



**Scott Morris**

Propane Area Manager  
Federated Co-operatives Limited

**No one knows your farm better than you do.**

**Join our online community to connect with Co-op, and share what's important to you.**

- Provide insight into your successes and challenges
- Influence the products, services and promotions offered by Co-op
- Help steer stewardship and sustainability initiatives
- Be entered to win monthly prizes



Visit [LetsTalkAgro.crs](https://LetsTalkAgro.crs)





# FUELLING WESTERN CANADA TOGETHER

Co-op is unique in our ability to offer value to Western-Canadian producers through mutually beneficial relationships.

From the outset, farmers and ranchers invested in their local Co-ops and purchased the goods they needed to run their operations. In return, these local Co-op stores would return the profits they earned back to their members.

While this benefit remains as true today as it did 100 years ago, our relationship has developed over time. Going into your local CO-OP® Agro Centre for the products and services to help you grow your crops and raise your livestock is just a starting point.

We not only serve and supply you, but we also directly and indirectly purchase your products.

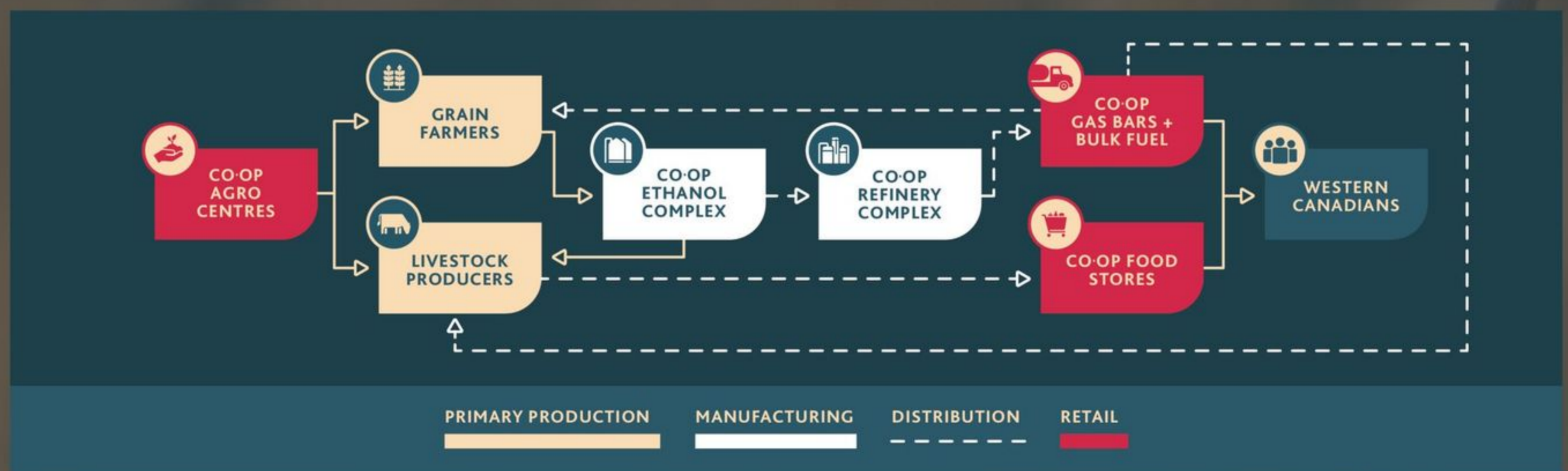
## Co-op Ethanol Complex

The Co-op Ethanol Complex (CEC), formerly Terra Grain Fuels, is an ethanol-production facility near Belle Plaine, Sask.

The facility produces up to 150 million litres of ethanol every year, which is used primarily in the production of CO-OP® fuels at the Co-op Refinery Complex (CRC). The CEC has the capability of using a variety of starch-based crops as feedstocks and purchases over 350,000 tonnes of grain (wheat, but also corn, rye and triticale) annually from more than 400 Western-Canadian producers. This complex can process a wide range of renewable, biological material that can either be used as fuel or converted to another form of fuel, more simply known as feedstocks. These feedstocks are adjusted based on cost and availability.

For every tonne of grain used, we can produce about 400 litres of ethanol and 350 kilograms of dried distillers' grains (DDG), a premium, nutrient-dense product. During the ethanol-production process, the starches in the parent grains are broken down into sugars, which are then broken down further, fermented and distilled to form ethanol. The remaining DDGs are a good source of protein and energy for a wide range of livestock, including beef cattle, dairy cattle, horses, swine and poultry. They're often used to supplement feed rations and complement silage or hay crops.

While values may change based on the feedstock used, our DDGs often have a nutritional value that is 30 per cent protein and 10 per cent fat. The CEC produces about 130,000 tonnes of DDGs every year.







Incorporating DDGs from the CEC into your feeding regimen has many benefits:

- Produced and manufactured from feedstock sourced from local farmers
- Excellent source of bypass protein
- Excellent palatability to increase intake
- On-site lab and quality-control centre
- Availability to inspect premises
- Good value for protein supplement

Altogether, the impact of the CEC on the economy is significant. The facility has 47 full-time team members and contributes more than \$100 million per year to the economy.

We are connected to you as trusted partners, and we are integrated into the economy. Together, we're working to share success and build our Western-Canadian communities. That's why we are a different kind of business.

## NOW CONTRACTING

The Co-op Ethanol Complex is currently contracting feed wheat, corn, rye and triticale for delivery to Belle Plaine, Sask. For grain pricing and delivery options visit [www.fcl.crs/ethanol](http://www.fcl.crs/ethanol) or give the team a call at **(306) 345-2280**.

## WE FUEL WESTERN CANADA



**ETHANOL  
COMPLEX**



